

Bio technology

바이오 크리너 ,바이오세척제

Bio cleaner & Micro Bubble DESCALER

2018



오비스코리아 & J M I

인사말

미래산업의 선두주자 바이오 산업

바이오테크놀러지(biotechnology)는 새로운 산업분야. 유전자 치환이나 세포 융합을 이용한 대량 배양, 효소를 사용해 물질을 합성하는 바이오횜터(bio-reactor)등 생체기능 자체를 응용한 기술에 의해 자연에는 극히 미량밖에 존재하지 않는 물질을 대량으로 생산하려는 산업입니다.

DNA, 단백질, 세포 등의 생명체 관련기술(Biotechnology)을 직접 활용하여 다양한 부가가치를 생산하는 산업 분야로, 바이오기술을 중심으로 여타 신기술과 융합하여 생성되는 신산업과 함께 의약, 화학, 전자, 에너지, 농업, 식품 등 다양한 산업에서 바이오기술을 접목해 창출되는 새로운 개념의 산업입니다

미국농무부 [United States Department of Agriculture] 미국농무부 [United States Department of Agriculture] 는 지구 온난화와 환경 오염을 대비하여 좀더 깨끗한 지구 자연 환경보호, 환경개선을 위하여 바이오 산업을 지원하고 있습니다.

Bio Preferred 는 미래정책중 하나로 바이오회사와 바이오베이스 제품을 국가등록하고 지원합니다.

저희 바이오 크리너는 세계유일한 바이오베이스 98% 제품입니다.

기존의 수 많은 독성케미컬을 줄이고 자연을 보호하며 세척된 폐수조차도 자연에 환원 될때 까지 오염을 최소화하고, 고약한 냄새를 변환시키거나 제거하여 후레쉬한 냄새로 바꾸어 줍니다.

편리한 생활과 자연보호, 지구 환경 개선을 위하여 자연과 인체에 무독한 최선의 제품을 공급하겠습니다.

RUSTECO
OVISKOREA
JMI
임직원 일동



Guarantee letter

Bio cleaner

당사의 바이오 크리너는 독성이 없음을 보증 합니다.
환경 친화적인 바이오 제품 , 미국 국무성에서 인증한
USDA CERTIFIED BIOBASED PRODUCT 98%제품은

안전 합니다.

J M I

RUSTECO
OVISKOREA
임직원 일동



RUSTECO & OVISKOREA

바이오 스케일 제거제 장점

1. 환경에 안전 합니다
2. 액상 투입 로테이션 방식이라
작업 시간 단축
3. 인체 무독합니다
4. 환경 위해물질 무
5. 스틸 표면까지 깨끗합니다
6. 비용절감 50%
7. 세척후 표면 상태 99%
8. 2차 스케일 진행이 느립니다



RUSTECO LLC
1465 E Del Amo Blvd
Carson, CA 90746

Thank you for completing and submitting the USDA Declaration of Conformance form. We have confirmed the form has been properly completed. Your response indicates that your product **RUSTECO GreaseMaster Biobased Cleaner** continues to meet the requirements of USDA's BioPreferred program. You remain in good standing in the program, and your products will continue to be featured in the online catalog. If the biobased content of any of your products in the program change, or you no longer manufacture a product, please promptly notify the USDA.

Thank you again for your cooperation.

Kate Lewis
BioPreferred Deputy Program Manager

May 8, 2012



GS-37

GREEN SEAL™ STANDARD FOR
CLEANING PRODUCTS FOR
INDUSTRIAL AND INSTITUTIONAL USE



GS-34

GREEN SEAL™ STANDARD FOR
CLEANING AND DEGREASING AGENTS

환경 및 제품 안전 정보

수생 독성 시험 (RUSTECO & GreaseMaster)

담수 및 해양 생물에 대한 유출 물의 급성 독성 측정 방법 **EPA / 600 / 4-85 / 013**에 근거한 미국 환경 보호국 (EPA)의 샘플 통과율은 최소 생존율 **50 %** 이상입니다. **RUSTECO**와 **GreaseMaster** 모두 **100 %** 생존율을 보였으며 **0 %** 독성을 나타냅니다.

청정 공기 용제 (CAS) 인증 (RUSTECO & GreaseMaster)

RUSTECO & GreaseMaster는 **Clean Air Solvent** 인증서의 모든 요구 사항을 성공적으로 충족 한 캘리포니아 주 **AQMD**의 인증을 받았습니다.

폐수 배출 허가 (RUSTECO)

뉴저지 주 해밀턴의 수질 오염 부 (**Department of Water Pollution Control**)는 **RUSTECO** 폐수를 하수도 시스템으로 배출하는 것을 승인했습니다.

MILSPECS (RUSTECO)

Mil -C-38334A

도장 된 표면에 미치는 영향 - 변색이나 연화가 관찰되지 않았습니다.

잔류 부식 - 알루미늄의 중요하지 않은 중량 손실

실용적인 세척 - 줄무늬, 얼룩 또는 변색이 관찰되지 않고 자유롭게 행귀졌습니다.

아크릴의 스트레스 크레이 징 (**Mi-P-25690 Type C**) - 균열, 또는 변색이 없습니다.

Mil-Std-45662A 및 Mil-I-45208A, 수정안 1

7075-T6 알루미늄의 인장 강도에 미치는 영향 - 인장 강도의 손실 없음

소금 퇴적물 제거 (그리스 마스터)

EPA 테스트 600 / R-95 / 136 (합성 해수를 만들기 위해 첨가 된 염)에 따라, 처리 된 대조 쿠폰을 **100 psi** (소화 호스 압력)에서 세척하고 염화물, 황산염, 아질산염, 브롬화물 및 오르토 인산염을 분석했습니다. 시험 결과는 **ortho Phosphate** 또는 **Phosphorous**가 나타나지 않았으며 코팅 된 소금은 입방 센티미터 당 **3** 미크론의 허용 미 해군 스펙보다 훨씬 낮은 **1** 마이크론 당 **1** 마이크론 이하였다.

폐수 배출 허가 (그리스 마스터)

로스 앤젤레스 카운티의 카운티 위생 지대는 대형 발전기를 청소하여 생성 된 **4500** 갤런의 세척 폐수를 처리하기 위해 산업 폐수 배출 허가 번호 **12704**를 부여했습니다. 이 승인은 **3** 개의 독립적 인 폐수 분석 보고서를 토대로 한 것이 었 습니다.이 보고서는 **GreaseMaster** 폐수 저장 탱크에서 유분 분리가 발생한 후 폐수의 유분 함량이 허용 가능한 한도 내에 있음을 확인했습니다.

Portland 밸러스트 수처리 공장 폐기 승인 (GreaseMaster)

허용 기준은 **GreaseMaster**로 오일 탱크를 청소 한 후 폐수의 pH와 오일 함량을 기준으로합니다. pH는 **5.9**이고 오일 함량은 **12.4 ppm**이었다.

ALYESKA 해양 터미널 배출 승인 (GreaseMaster)

이 제품은 알래스카 **Valdez**의 밸러스트 수 처리 시설 (**BWTF**)에서 승인을위한 모든 요구 사항을 충족합니다.

미 농무부 (USDA) 승인 (GreaseMaster)

USDA는이 제품을 모든 육류 / 가공육 가공 공장에서 사용할 수있는 **A-1** 세정제로 승인했습니다.

미국 식품의 약국 (FDA) 기준 (그리스 마스터)

GreaseMaster는 아기 우유 병 청소를 포함한 모든 식품 취급 시설에서 사용하기위한 세척제로서 **FDA**의 안전 기준을 충족합니다. **CFR 21 / 178.1010**.

휘발성 및 반 휘발성 유기물 분석

8240과 **8270**의 **EPA** 표준을 적용한 결과 **GreaseMaster**에는 **132** 개의 우선 오염 물질 목록에있는 화합물이 발견되지 않았습니다. **MDL (Method Detection Limit)**은 ppm (mg / L) 단위로 적용되었습니다.

BIO CLEANER 사용은 지구사랑, 환경보호 입니다



식생활중 생성된 지방산을
분해 합니다
기름때 이물질 제거
냄새제거
박테리아, 곰팡이 서식처를
원천 분해 합니다



바이오 크리너는 안전한 폐수까지
걱정하여 설계되었습니다.



독성물질 없음
환경위해물질없음

안전 합니다.



NO VOC ODC GWC

휘발성유기화합물질 없음



한국건설생활환경시험연구원

한국건설생활환경시험연구원(KCL)은 산업통상자원부 국가 기술표준원의 유관 단체로, 지난 2010년 7월 한국건자재시험 연구원과 한국생활환경시험연구원이 통합하여 출범한 대한 민국 최고의 시험·인증기관 입니다.

the way to trust **kcl**

Certificate of Analysis

검 사 성 적 서

자가검사번호 : C-A01B-A019001-A160

2/4

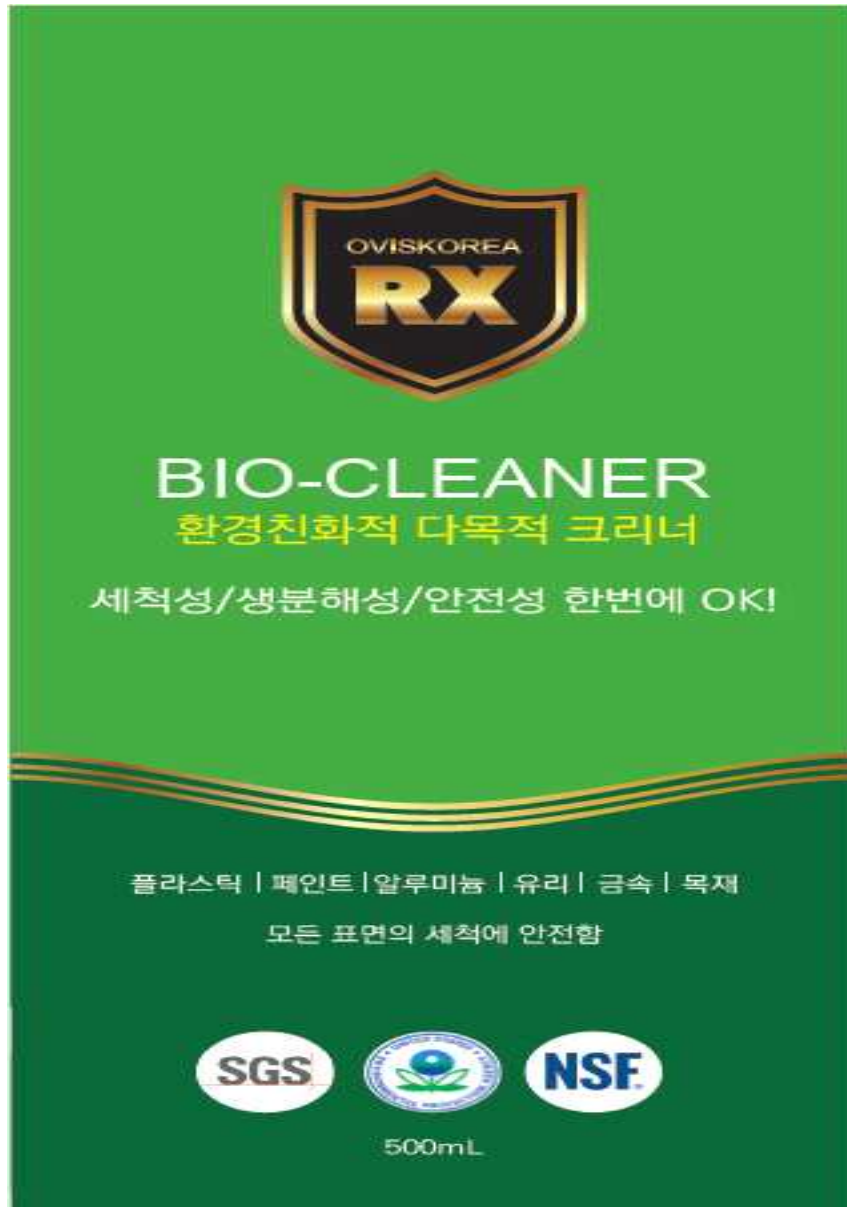
붙임1. 검사결과

1.1 유해성분의 기준

| 연번 | 검사항목 | 단위 | 판정기준 | 검사결과 | 합부판정 |
|----|-----------------|-------|----------|--------|------|
| 1 | 테트라클로로에틸렌 | mg/kg | 1 000 이하 | 불검출 | 합격 |
| 2 | 트리클로로에틸렌 | mg/kg | 1 000 이하 | 불검출 | 합격 |
| 3 | 수산화나트륨 또는 수산화칼륨 | % | 5 이하 | 검출 안 됨 | 합격 |
| 4 | 비소 | mg/kg | 1 이하 | 불검출 | 합격 |
| 5 | 폼알데하이드 | mg/kg | 40 이하 | 불검출 | 합격 |
| 6 | 벤젠 | mg/kg | 30 이하 | 불검출 | 합격 |

바이오 크리너는 유해성분 검사에서 모든 항목 불검출 입니다
안전 합니다.

No Acid Dipping
No Sandblasting
No Hazardous Chemicals



세척 가능 재질
spray, brush, and immersionltrasonic cleaning

모든금속, Carbon Steel, Stainless Steel,
탄소강,스테인레스 스틸.비철금속

합금. Aluminum, Cadmium, Chrome,
Copper,Titanium,플라스틱,복합소재,
High Density polyethyiene,HDPE,
Rubber , Polyvingl ,PVC,유리

생분해가능 오염원
그리스,잉크,오일,윤활유,각종오일류,Salt

GreaseMaster BIO CLEANER를
사용하는 20 가지 훌륭한 이유

1. 완전 생분해성
2. 모든 금속에 안전
3. 모든 식물에 안전함
4. 기름에 물을 유화시키지 않는다.
5. 오일 분리기 역할
6. 직접 칠할 수 있습니다.
7. 희석 배수 1000 배까지
8. 해양 / 야생 생활에 안전합니다.
9. 피부에 영향 없음
10. 모든 청소 장비와 호환 가능
11. 알칼리성 염기 없음
12. 처리 제한 없음
13. 중성 근처에서 작업 pH
14. 인산염을 함유하지 않음.
15. 다중 반복 사용
16. 운송 / 취급 제한 없음
17. 소금기 제거에 Milspecs를 초과합니다
18. 오일 프리 표면 제공
19. 연질 코팅 용 밸러스트 탱크 클리너
20. 공기 냉각기를 새로운 것으로 거의 복원합니다. Frash AIR기능

물리적 특성

*GreaseMaster*는 점성이 있는 용액의 형상을 하고 있으며, 끓는 점이 물과 거의 비슷합니다.(100도). 기본재료는 식물추출물로 구성되어 있어서 안정성이 높은 제품입니다.(enerally regarded as safe or permissible under Federal regulations CFR 21/178.1010 and 21/182 respectively.) 이 제품은 다른 물질과의 반응이 거의 없는 안정한 물질이고, 생물학적인 분해가 되며, 농도가 높아도 부식 기능을 갖지 않습니다.

제품명 : RX-ECO

모델명 : RX-ECO①, RX-ECO②, RX-ECO③,

제품의 권고 용도와 사용상의 제한

권고 용도 : 다목적 세정제(자전거, 오토바이, 자동차, 선박, 기차, 항공기, 건축, 설비, 특수부품, 모든용도)

사용상의 제한 : 특별한 제한 없음

기타(미국 NFPA)

보건 : 0 화재 : 0 반응성 : 0 물반응성 : 0

Product Use

ALL METALS RUST
REMOVAL/PROTECTION
DEGREASER/METAL
POLISH/PRIMER

USDA(A1) Test Certificate (Report No. 1995-08-22/2012-05-08),

CAS Test Certificate (Report No. SK-28-96),

NSF(H1)

TMT Test Certificate (Report No. MX-941222S),

EPA Test Certificate (OUR REF.: OP.2276/12/01)

SGS Test Certificate (Report No. SH/ENV11050162/1),

중성 Bio Cleaner는 유리 소재에 전혀 손상을 주지 않는다

금속(합금, 동 포함),유리, 전자제품 등에 안심하고 사용.



*GreaseMaster R-300*는 미네랄, 동물성, 식물성 오일, 일반 오일, 그리스 등을 제거하는데 아주 효과적인 친환경 제품이며, 공업, 상업적 또는 집안 등 다용도로 사용이 가능합니다.*(the removal of mineral, animal or vegetable fats, oils or greases (FOG),*

중성세정제 RUSTECO는 침전,초음파,가장안전한 산업용 세정제입니다

PH of 1% solution 5-6

FDA/USDA/CPSC

N/A DOT: Non-Regulated

[내용물의 경우 미국, 덴마크, 노르웨이, 베트남 국가는 안전한 물질로 특별한 처리 없이 폐수 배출 승인 함]

생분해 98%
BIO CLEANER

No Acid Dipping
No Sandblasting
No Hazardous Chemicals

| | |
|-------------------|---|
| 외 관 | 호박색의 액체 |
| 농 도 | 용도에 맞게 희석 사용 |
| 냄 새 | 냄새 없음 |
| 불꽃/발화점 | 없음 |
| 비중/ pH | 1.02-1.05 / 4.5 - 6.0 |
| 부식성 | 없음 |
| 피부자극 | 없음 |
| 생물학적 분해 | 됨 |
| 녹 제거와 보호 | 됨 |
| 해당금속 | 모든 금속 |
| PRIMER | 가능 |
| 페인트에의 영향 | 없음 |
| 기름제거 | 가능 |
| 재사용 | 가능 |
| AMBIENT CLEANING | 가능 |
| HOT TANKING | 가능 |
| 저장온도 / SHELF LIFE | -12.2 C - 48.9 C / 3 년 |
| 외부온도 | 모든 온도 |
| 운 송 | 제약 없음 |
| 특별제약 | 없음 |
| 노 출 | 제한 없음 |
| 포함하고 있지 않은 것 | 프레온물질, 연소용매, 무기세정제 염소, 유기용제, 인산질산물질, |

We help keep the Earth Environmentally Clean.



RUSRECO 제품은

미국 농무부의 친환경 인증 제품으로
유기농으로 만든 무독성 제품입니다
세정제 이면서 바이오 기능이 기름때 찌든때를 생분해, 냄새까지 제거하고 후래쉬 에어로 바꿔줍니다
바이오기능은 생분해한 물을 자연으로 환원 해도 무방할 만큼 무해 합니다

Packing

1L
20L
200L
Bulk 1000L, 20,000L

NEWS 환경 친화형 세척제가 필요 합니다

식기 세척제에 가습기 살균제 성분 못쓴다 연합뉴스 2017.03.02

식기 세척제에 가습기 살균제 성분 사용 금지 YTN-2017. 3. 2.

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바이오 크리너를 사용 합니다

1.식당,공장 세척,세정제

바이오크리너로 세척 세정 합니다. 55도에서 가장 최적의 기능성이 나타납니다.
에코크리너로 찌든때 를 세척하여줍니다. 냄새 기름때를 완전 분해 해줍니다.

2.집수조

바이오 성능은 약화되었지만 집수조까지 가는 동안 수로와 관로를 세정하며 지나 갑니다.
냄새분해와 슬러지 제거 기능은 약화되었지만 사용 기간이 길어 질수록 효과가 뚜렷해 집니다
집수조의 슬러지와 냄새 기생하는 박테리아 수가 현저히 적어집니다.

3.수처리

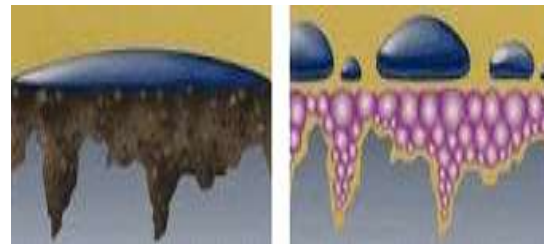
마이크로 버블을 이용 하수에 산소의 접촉 표면적을 높여 부폐방지및 바이오 기능을 유지 시켜
배출시까지의 시간 단축및 수처리 효과를 높여 줍니다.

4.방류

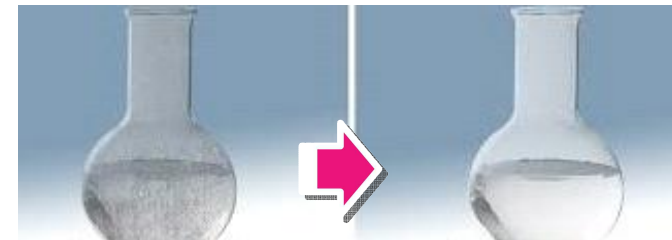
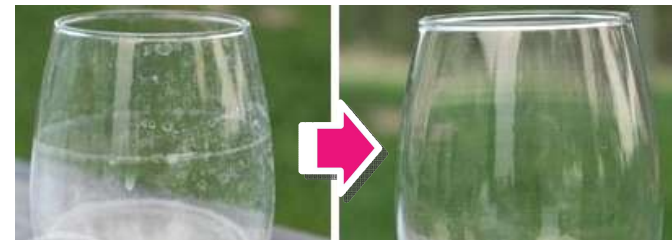
바이오 기능을 이용후 남는 기타 슬러지와 분해안되는 무거운 슬러지를 분리 시켜 맑아진
물은 배출하고 남은 슬러지는 최소화 시켜 처리 합니다.

Bio cleaner 유리표면 기름때 제거 세정제 의 특성

GreaseMaster 는 미네랄, 동물성, 식물성 오일, 일반 오일, 폐오일,그리스 등을 제거하는데 아주 효과적인 친환경 제품이다.*(the removal of mineral, animal or vegetable fats, oils or greases (FOG),*



유리표면 유분 먼지 기름때가 끼면서 투명성이 떨어집니다



Bio Cleaner는 유리 표면의 기름때를 제거 하여 투명도를 높여 줍니다

유리, 세라믹 타일, 플라스틱, 알루미늄, 건축자재표면,
코팅표면, 페인트표면, 주차장표면
모든 표면 세척에 사용 가능

Before



After

태양광 솔라 판넬, 알루미늄 샤시 세척에 안전 합니다



코팅표면, 페인트표면, 주차장표면
모든 표면 세척에 사용 가능



RUSTECO & OVISKOREA

대리석, 세라믹 표면 바이오 세척제



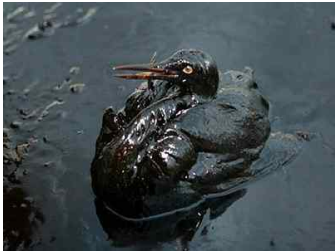
Bio cleaner 비교

| | 기존 세척 방식 | 바이오 Cleaner 방식 |
|------|--|--|
| 청소방법 | 과도한 케미컬 유독물질 사용 계면 활성제 화학적 강력세척 세척력 상 / 세척속도 상 | 물을 용매로 하는 식물추출물 사용한 바이오 일반세척 세척력 상 / 세척속도 중 |
| 문제점 | 독극물로 인한 2차오염 강력할수록 수처리가 어려워짐 작업자의 호흡기 건강문제 하수공해 냄새공해 하수처리비용과 처리시간 과다 슬러지 운반의 문제점 | 세척속도에서 떨어짐 |
| 장 점 | 빠르게 세척함 세척면이 깨끗함 | 바이오 기능, 슬러지, 기름찌꺼기 생분해 세척된물을 수처리없이 방류 가능 식물 추출물과 미네랄 성분 함유된 바이오세척제 바이오 기능으로 냄새분해 오염물질 최소화시킴 후처리공정이 간편해짐 자연보호, 수자원보호, 후래쉬에어 |

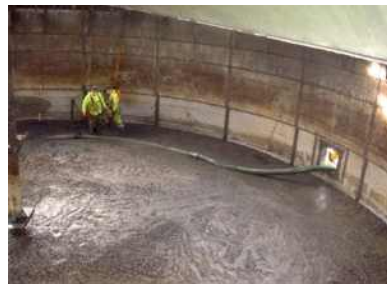
1. 완전 생분해 된다
2. 모든 금속에 안전하다
3. 모든 섬유에 안전하다
4. 오일을 물로 유화하지 않는다.
5. 오일분리제로 작용한다
6. 위에다가 바로 페인트를 바를 수 있다.
7. 무게 희석해서 사용할 수 있다
8. 수생, 야생에 친화적이다.
9. 피부자극이 없다
10. 모든 장비들에 적용될 수 있다.
11. 알칼리성이 아니다
12. 배출제한이 없다
13. 중성 PH 근처에서 작용한다
14. 인산염을 함유하고 있지 않다
15. 재사용이 가능하다
16. 운송과 사용에 제한이 없다
17. 염분제거에 군 스펙을 맞춘다
18. 물체표면의 기름성분을 완전제거
19. 열교환기에 사용
20. Ballast tank 청소에 사용 가능하다
21. 공조기를 재사용할 수 있게 한다

Bio cleaner

1.유독슬러지 고체화된슬러지



2.안정화슬러지 유동슬러지 펌핑작업



3.마무리 세척작업 생분해작업 방청작업 코팅작업



4.바이오 후처리
분해된폐수는
환경오염 적게하고
냄새분해
폐유 재결합 방지
후래쉬한 에어
자연으로 환원
수질오염 방지
자연으로 환원
폐수 방류 허가 까지



Frequently asked Questions for Rusteco

Rust removing

1. RUSTECO는 페인트나 고무 플라스틱에 영향을 줍니까?
아닙니다. 전혀 영향을 주지 않습니다.
2. RUSTECO환경에 유해합니까? 공기나 물을 오염시킵니까?
아닙니다. 환경에 영향을 주지 않습니다.
3. 폐기하는데 영향이 있습니까? **어떤 영향도 없습니다.**
4. 증기나 냄새의 영향은 있습니까?
전혀 없습니다. 직장, 집 어디에서든 사용이 가능합니다.
5. 금속을 부식시킵니까?
아닙니다. 알루미늄, 크롬 등 모든 금속에 대하여 안전합니다.
6. 피부자극은 있습니까?
피부자극 없습니다.
7. 기름탱크의 내부 청소도 가능한가?
페인트에 손상을 주지 않으면서 처리 가능합니다.
8. 제품을 재사용하는 것도 가능한가요?
예 재사용이 가능합니다. 성능이 점점 약해집니다.
9. 녹 방어기능도 있나요?
새로운 산화 에 대하여 방어기능이 있습니다.(영구적이지 않음)
10. 이 제품으로 오랜 시간 녹방지를 할 수 있나요?
Gel을 사용하는 코팅형태로 유지하면 겔이 있는 시간 동안은 녹이 생기지 않습니다.
11. 담그기가 어려운 수직으로 된 부분의 녹제거나 세정은 어떻게 하나요?
Gel 제품은 이 용도를 위하여 생산되는 제품입니다.
12. Gel을 사용하는 방법은?
제품은 붓으로 바르거나, 롤러, 에어리스 스프레이를 이용합니다.
13. 수명이 다되면 다른 곳에 사용할 수 있나요?
예, 이 제품은 비료로서 아주 좋은 제품일 수 있습니다. F콘크리트 표면 청소에 사용하면 좋습니다.
14. 제품의 구성품은?
본제품은 식품그레이드의 약산과 식물추출물로 구성되어있습니다.
15. RUSTECO를 바르고 닦아낸 다음 페인트를 바로 바를 수 있나요?
네, 바로 바르면 문제가 없습니다.

Bio Cleaner & 장기방청 윤활

ECO-1000
강력 세척제



BIO CLEANER
세척제, 세정제
생분해제
냄새 제거제
염분 제거제

산업용, 공업용

ECO-2000
기름때 제거제



BIO CLEANER
세척제, 세정제
생분해제
냄새 제거제
염분 제거제

일반 가정용
주방용

RX-3
장기 방청윤활제



산업기계
자동차
자전거
오토바이
농기계
식품기계
베어링 등
윤활
장기부식방지제

바이오
스케일 제거제



보일러
스케일 제거제
염분 제거제
강력 세척제

MP-1000
나노 코팅제



산업현장용

RUSTECO & OVISKOREA

Bio Cleaner 인천 국제공항 제2청사 납품



• 유리세척 알루미늄 샷시 세척 염분제거 용

인천 국제공항 비행기 격납고 납품





LG Display 납품



➤ 세아특수강 열교환기 스케일세관작업
대원강업 500kw 대형 콤프래서 스케일세관작업
알코이 열교환기 스케일세관작업
대형스팀보일러 스케일세관작업
로보트 냉각수라인 스케일세관작업
S-OIL 산업용 히터 스케일세관작업
LNG 발전소 냉각수라인 스케일세척 세관작업
세계 최대 중국 비료공장 비료공급라인 스케일세관작업
중국 화력 발전소 냉각수라인 스케일세관작업
가와사기 중공업 냉각수라인 스케일세관작업
효성병원 열교환기 스케일세관작업

오래된 기름때 제거 작업



Bio Cleaner Bio Descaler



Bio cleaner



자연친화형 BIO CLEANER 친환경 방청유 부식변환제

감사합니다
Thank You

www.oviskorea.com

www.rusteco.com



Airplane washing

Airplane has to be washed atleast four times a year with foam and up to 13,000 liters of water.

Current method

Choose a better way, save water!



▶BOEING Exterior and General Creaners and Liquid Waxes, Polishes and Polishing Compounds

록히드 마틴 항공기 부품 세척

바이오 기반 제품이 도장 된 표면에 유해한 영향을 미치지 않으며 모든 기준을 준수 함을 증명하는 **BOEING AIRCRAFT COMPANY** 인증 테스트를 수행했습니다.







▶ 영국 에어로 스페이스 AIRBUS 클리너

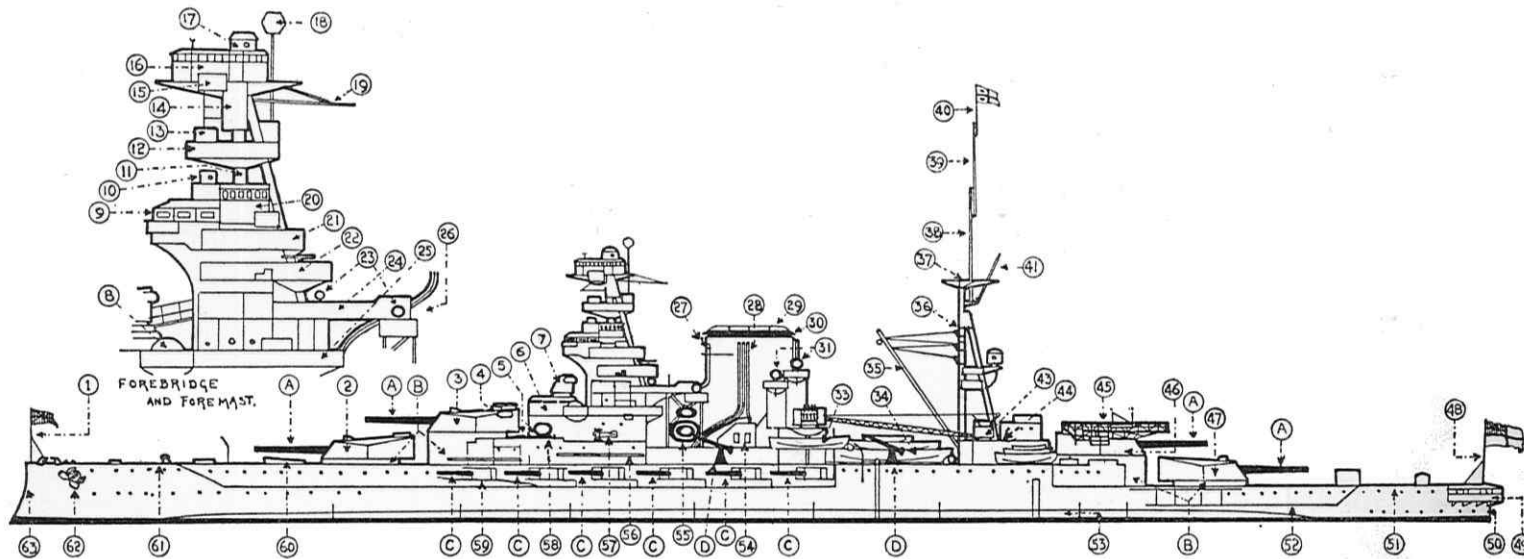
▶ Aircraft Cleaning

▶ Airport Concrete Cleaning

항공기 알루미늄 부품에 대한 부식 테스트 통과
 바이오크리너 제품은
 페인트 표면 및 품질에 변화가 없음.
 안전한 세척제

선박 세척 선박 염분제거와 기름때 제거

Salt Cleaning



세척수 해양오염 방지제
바이오 크리너
생분해제 무독성 바이오 크리너



오일 누출사고 폐유제거제



바이오 크리너는
폐유 세척 생분해에
적합합니다

폐오일 분해 바이오크리너



국제 승인

덴마크

덴마크 공과 대학 (**Danish Institute of Technology**)은 **RUSTECO** 및 **GreaseMaster** 제품을 운송, 취급 및 폐기 시 안전하다고 승인했습니다. 위험한 표시 또는 특별한 취급은 필요하지 않습니다.

Danish Veterinary Authority는 모든 유제품, 가금류 및 육가공 공장에서 클리너로 사용할 수 있는 안전한 제품으로 **GreaseMaster**를 승인했습니다.

러시아 연방

보건 복지부는 **RUSTECO GreaseMaster** 제품이 러시아 근로자가 사용하기에 안전하다고 인증했으며 이 제품이 환경에 악영향을 주지 않음을 확인했습니다.

노르웨이

노르웨이의 **Stavanger**에 소재한 독립적 인 노르웨이 정부 승인 실험실 인 **Novatech A / S**는 **RUSTECO** 및 **GreaseMaster**가 굴착 장치, 저장 탱크 및 일반 청소와 같은 모든 해양 및 육상 오일 산업 관련 세척 응용 분야에 안전하고 완벽하게 수용 가능한 세척 제품임을 입증했습니다 작업. 공식 **HMS-DATABLAD** (건강, 환경 및 안전 데이터 시트) 인증은 노르웨이 석유 산업 협회 (**OLF**)가 회원 또는 시설에서 제품을 사용하기 전에 필수 요건입니다. 또한 이 문서는 **UN, IMO, IATA** 및 **ICAO**와 같은 기관이 제정 한 지침에 따라 양 제품의 운송 또는 취급에 제한이 없음을 증명합니다.

베트남

하이퐁 (**Hai Phong**) 해양 과학 연구소 (**Department of Marine Environmental Chemistry**)는 조선소 (**Ben Kien Shipyard**)의 그리스 마스터 (**GreaseMaster**)로 연료 탱크를 청소하여 생성 된 3 개의 폐수 샘플 (48 시간 분리 공정 후)을 테스트했습니다. 시험 결과는 농업 및 기타 식품 관련 응용에 사용되는 물에 대한 베트남 표준을 준수합니다. 이 폐수의 오일 함량은 **1ppm** 정도로 낮았다.

제품의 환경, 안전 정보

Aquatic Toxicity Test (RUSTECO & GreaseMaster) [수질 독성 테스트]

Based on the US Environmental Protection Agency's Method for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms EPA/600/4-85/013, the sample passing rate is at least 50% survival or greater. Both RUSTECO and the GreaseMaster had a 100% survival rate, indicating 0% toxicity.

Clean Air Solvent (CAS) Certification (RUSTECO & GreaseMaster)

RUSTECO & GreaseMaster have been certified by the AQMD of the State of California as successfully having met all the requirements for a Clean Air Solvent certificate.

Salt Deposits Removal (GreaseMaster) [염분 방류 테스트]

According to EPA tests 600/R-95/136 (salt added to prepare synthetic seawater), treated control coupons were washed at 100 psi (fire hose pressure) and analyzed for Chloride, Sulfate, Nitrite, Bromide and ortho Phosphate. The test results showed no ortho Phosphate or Phosphorous and the salt deposits were below 1 micron per sq. cm., well below the allowable US Navy specs of three (3) microns per sq. cm prior to coating.
[미 해군 기준을 만족]

환경과 제품 안전성 정보

수질 독성테스트 (RUSTECO & GreaseMaster)

Based on the US Environmental Protection Agency's Method for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms EPA/600/4-85/013, the sample passing rate is at least 50% survival or greater. Both RUSTECO and the GreaseMaster had a 100% survival rate, indicating 0% toxicity.

Clean Air Solvent (CAS) Certification (RUSTECO & GreaseMaster)

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Wastewater Discharge Permit (RUSTECO) The Department of Water Pollution Control of Hamilton, NJ has approved the discharge of the RUSTECO wastewater into the sewer system.

Mil-C-38334A (MILSPECS (RUSTECO) 군스펙

Effect on painted surfaces - No discoloration or softening observed.

Residual Corrosion - Average weight loss on aluminum insignificant

Practical Cleaning - No streaking, spotting or discoloration observed, rinsed freely

Stress Cracking of Acrylics (Mi-P-25690 Type C) - No crazing, cracking or attack

Mil-Std-45662A & Mil-I-45208A, Amendment 1

Effect on tensile Strength of 7075-T6 Aluminum - No significant loss in tensile strength

Environmental & Product Safety Information

Wastewater Discharge Permit (GreaseMaster) : [폐수방류허가]

미국로스앤젤레스 위생국에서 공업용 폐수 방류허가를 받았습니다. (No. 12704 for the disposal of 4500 gallons of cleaning wastewater, which had been generated by cleaning a large generator).

이 허가는 아래의 독립된 폐수분석 레포트에 의거한 것 입니다. [(3) independent wastewater analysis reports, which certified that the oil content in the wastewater was well within the allowable limits , after oil separation had taken place in the GreaseMaster wastewater holding tank.]

Port of Portland Ballast Water Treatment Plant Disposal Approval (GreaseMaster)

The acceptability limits are based on pH and oil content of the wastewater after cleaning oil tanks with the GreaseMaster. The pH was 5.9 and oil content was 12.4 ppm.

US Food & Drug Administration (FDA) Criteria (GreaseMaster) [미국FDA 기준]

GreaseMaster 는 미국FDA의 음식관련 부분의 유아젖병 세정제로 기준을 충족하고 있습니다.
CFR 21/178.1010.

GleaseMaster-R 300 에 대한 고객들의 질문

1. 이 제품은 어떤 원리로 금속의 깊은 곳까지 스며들어 오일과 그리스를 제거하는가?
= **GreaseMaster**의 기름분리 능력이 강력한 세정능력을 발휘합니다.
2. 물을 오염시키지는 않지요?
= **GreaseMaster**는 수상생태계에 나쁜 영향을 주지 않습니다.
3. 사용된 용액은 어떻게 폐기하는 것이 좋은가요?
= 저장탱크안에서 24시간을 방치한 후 위에 떠있는 오일과 기름을 분리한 다음 버리면(독성이 없음) 됩니다.
4. 제품은 무엇으로 되어있나요?
= 이 것은 유기식물 추출물입니다. 사용하고 폐수는 정원의 비료로 사용하면 좋은 비료가 됩니다.
5. 수압세척기의 압력은 얼마나 강해야 하나요?
= 3200-3500-psi 면 충분합니다.
6. 'Black Oil ' 도 닦아낼 수 있나요?
= 물론입니다. **Black Oil and 실리콘 Oil** 모두 금속표면으로 부터 닦아낼 수 있습니다.
7. 증기나 공해는 없는지요 ?
= 없습니다. 미국 **AQMD in California** 에서 인증 받았습니다.
8. 금속을 닦아낸 후 오일이나 그리스가 표면에 남아있는지 어떻게 알아내나요?
= 금속 표면에 **UV-light**를 비춰보면 남아있는 것을 알아 낼 수 있습니다.
9. 이외에 다른 용도에 사용될 수 있는지요?
= 응용분야는 아주 많습니다. 식품공장에서 부터 세탁용제 등 친환경부분에서 그리스를 제거하는데 사용될 수 있습니다.
10. 이 제품을 사용하는데 가장 중요한 다른 분야는 어떤 곳이 있나요?
= 애기 젖병 세척에 사용되는데, 미국 **FDA**요구를 만족하고 있습니다. 새나 애완 동물을 씻어주는데 사용됩니다.
해안 기름유출로 인한 오일에 빠진 새를 세척하는데도 사용되었습니다.(일본)

Frequently asked Questions for Rusteco –R 200

Rust & Oil Removing

1. RUSTECO는 페인트나 고무 플라스틱에 영향을 줍니까?
아닙니다. 전혀 영향을 주지 않습니다.
2. RUSTECO 환경에 유해합니까? 공기나 물을 오염시킵니까?
아닙니다. 환경에 영향을 주지 않습니다.
3. 폐기하는데 영향이 있습니까?
어떤 영향도 없습니다.
4. 증기나 냄새의 영향은 있습니까?
전혀 없습니다. 직장, 집 어디에서든 사용이 가능합니다.
5. 금속을 부식시킵니까?
아닙니다. 알루미늄, 크롬 등 모든 금속에 대하여 안전합니다.
6. 피부자극은 있습니까?
피부자극 없습니다.
7. 기름탱크의 내부 청소도 가능한가?
페인트에 손상을 주지 않으면서 처리 가능합니다.
8. 제품을 재사용하는 것도 가능한가요?
예 재사용이 가능합니다. 성능이 점점 약해집니다.
9. 녹 방어기능도 있나요?
새로운 산화 에 대하여 방어기능이 있습니다.(단, 영구적이지 않음)
10. 이 제품으로 오랜 시간 녹방지를 할 수 있나요?
Gel 형태 코팅제를 사용 유지하면 겔이 있는 시간 동안은 녹이 생기지 않습니다.
11. 탈취 기능도 있습니까?
바이오 분해 방식으로 분해하며 2차 악취를 제거합니다.
12. 사용하는 방법은?
희석액을 붓으로 바르거나, 롤러, 스프레이 방식으로 사용하거나 용액에 담구어 두어도 유효합니다.
13. 제품의 원재료는 무엇인가요?
본 제품의 원료는 식물추출물로 구성되어 미국 농무성에서 인정한 친환경용제 입니다.

Bio CLEANER RUST-ECO 미래형 세척제

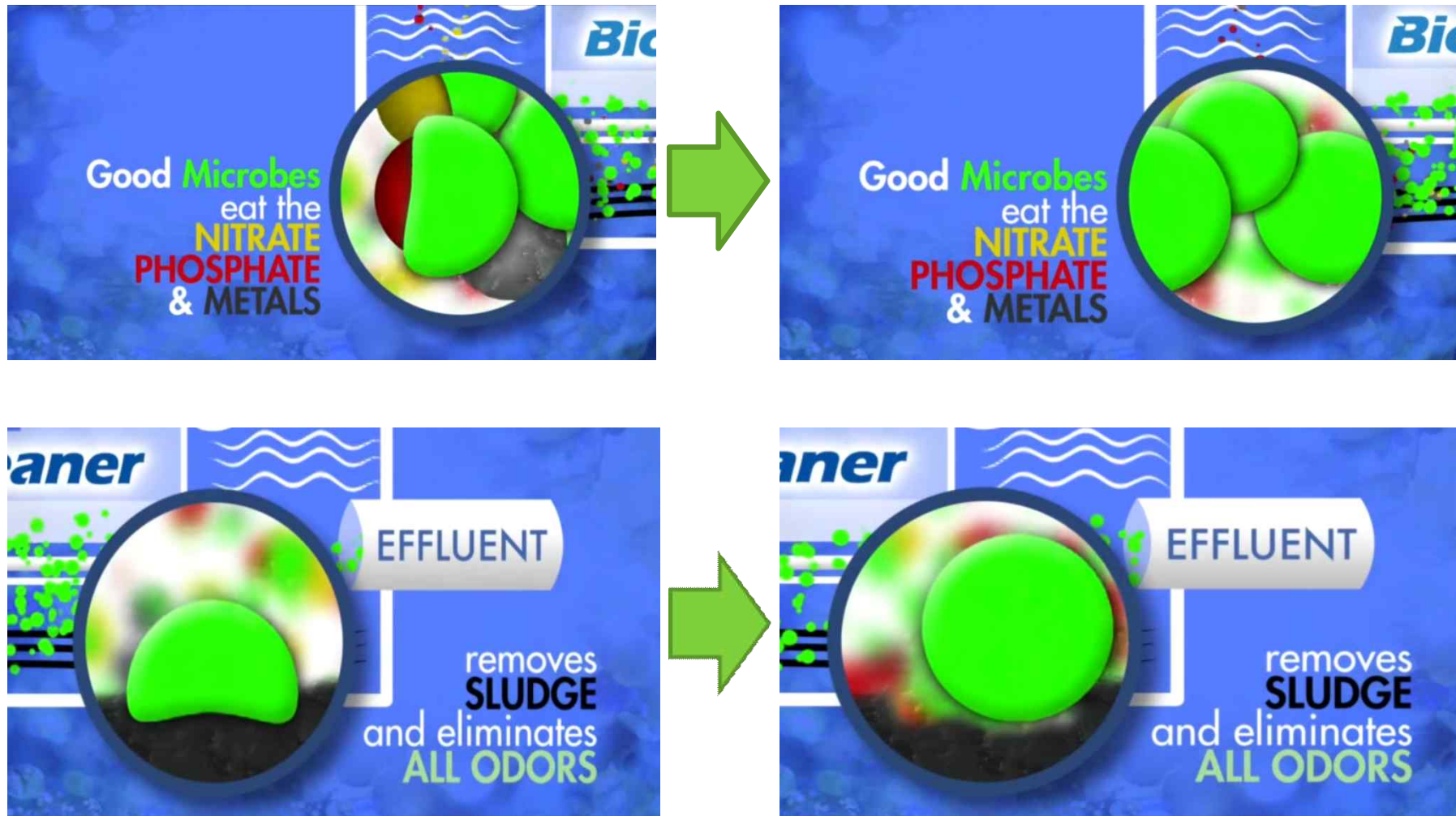
Bio 인증스펙

TT-C-490E
A-A-59295
MIL-PRF-16731E
MIL-D-16791G
MIL-D-81956A

- Rusteco는 친환경 세척제입니다
- 중성제로 기름때 세척과 중금속없이 녹제거까지 광범위하게 사용되는 친환경 세제입니다
- 자동차세차용
- 비행기세척
- 선박 발라스트 탱크세척,엔진룸세척제
- 컨테이너세척
- 기차세척
- 버스세차
- 어린이 질병세척
- 유리 기름때 물때세척
- 미국 USDA 인증제품으로 토양,하천,바다오염 0%
- 친환경 bio 세척제입니다

RUSTECO와 GreaseMaster는 세계에서 가장 강력하고 친환경적인 녹제거제와 기름, 오염 냄새 제거제 입니다.

Bio cleaner 작동원리



NSF H1 is for Food Grade Lubricants 식품 그레이트 윤활유를위한 것입니다

What are Food Grade Lubricants? National Sanitation Foundation (NSF)

Food grade lubricants are potentially indirect food additives. A grease or oil can become a food additive through leaks, over lubrication, messy application during maintenance, etc. Today's pharmaceutical, beverage and food-associated processing plants are running faster and harder than ever before. Selecting and implementing premium quality No-Tox Food Grade Lubricants along with the proper lubrication program ensures safe and efficient operations all while increasing profitability.

An oil or grease qualifies as an NSF H1 food grade lubricant when, in the event of a contamination, it is present in no more than 10 mg per kg of the foodstuff in question and must not cause any physiological hazard or affect the food's odor and taste in any way. Bel-Ray No-Tox Food Grade Lubricants are special blends of base fluids and additives approved by the US FDA and registered by NSF International in the H1, 3H and HT1 categories.

The following definitions of H1, H2, 3H, H3 and HT1 lubricants are provided by NSF International, the standard which has replaced the now-defunct USDA H1 rules, procedures and systems for lubricants (Prior to September 30, 1998 approval and compliance of food grade lubricants was the responsibility of the USDA).

식품 등급의 윤활제는 잠재적으로 간접 식품 첨가물입니다. 그리스 또는 오일은 식품 첨가물이 될 수 있습니다.

누출, 윤활유 이상, 유지 보수 중 지저분한 사용 등 오늘날의 제약,

관련 공정 설비가 이전보다 더 빠르고 더 많이 가동되고 있습니다. 프리미엄 선택 및 구현

적절한 윤활 프로그램과 함께 고품질 **No-Tox Food Grade** 윤활제는 안전하고 효율적입니다.

운영을 모두하면서 수익성을 향상시킵니다.

오염의 경우 그것이 존재할 때 오일 또는 그리스는 **NSF H1** 식품 등급 윤활유의 자격을 갖습니다.

해당 식품 **1kg 당 10mg** 이하이어야하며 생리적 위험이나 영향을 주어서는 안됩니다

어떤 식 으로든 음식의 냄새와 맛. **Bel-Ray No-Tox Food Grade** 윤활유는 기본 오일과

첨가제는 미국 식품 의약청 (**FDA**)에 의해 승인되고 **H1, 3H 및 HT1** 카테고리에 **NSF International**에 등록되었습니다.

H1, H2, 3H, H3 및 HT1 윤활제의 다음 정의는 **NSF International**에서 제공하는 표준

USDA H1의 현재 윤활유 규정, 절차 및 시스템을 대체 한 제품 (**9 월 30 일 이전,**

1998 년 식품 규격 윤활유의 승인 및 준수는 **USDA**의 책임이었습니다)

- **H1 – Lubricants with incidental food contact (so called Food Grade lubricants):**
- Preparations permitted for use **as lubricants and anti-rust agents, or as release agents on gaskets or seals of tank closures**, where there is possibility of incidental food contact must be formulated in compliance with CFR, Title 21, Section 178.3570 and other sections referenced therein. The amount used should be the minimum required to accomplish the required technical effect on the equipment so treated. When a product is used as an anti-rust film, it should be removed by washing or wiping before putting the equipment back into service.
- **H1 - 부수적 인 음식 접촉을하는 윤활제 (식품 등급 윤활제라고도 함) :**
- 준비는 윤활유 및 방청 에이전트로 사용 허가 또는 가스켓 또는 씰에 이형제
- 우발적 인 식품 접촉의 가능성이 CFR을 준수 공식화해야이 탱크 폐쇄,
- 타이틀 21, 섹션 178.3570 및 그 밖의 섹션을 참조하십시오. 사용 된 금액은 최소이어야합니다.
- 처리 된 장비에 필요한 기술적 효과를 달성하기 위해 필요합니다. 제품을
- 방청 필름은 장비를 다시 사용하기 전에 세탁 또는 닦아서 제거해야합니다

NSF/USDA Classifications USDA A1

is for general cleaning agents for all surface

모든 표면의 일반적인 세정제입니다

This product is acceptable for use as a general cleaning agent on all surfaces, or for use with steam or mechanical cleaning devices in all departments. Before using this compound, food products and packaging materials must be removed from the room or carefully protected. After using this compound, surfaces must be thoroughly rinsed with potable water. Permission for the use of this compound on loading docks and other similar areas is left to the discretion of the Inspector-In-Charge of the establishment.

이 제품은 모든 표면 또는 사용을 위한 일반 세척제로 사용하기에 적합합니다
모든 부서에서 증기 또는 기계 세척 장치를 사용합니다. 이것을 사용하기 전에
화합물, 식품 및 포장 재료는 반드시 객실 또는
신중하게 보호. 이 화합물을 사용한 후에는 표면을 완전히 헹구어야 합니다.
식수. 부두 및 기타 하역시이 화합물의 사용 허가
유사한 분야는 시설의 **Inspector-In-Charge**의 재량에 맡겨져있다

RUSTECO GS-37



GS-37

GREEN SEAL™ STANDARD FOR
**CLEANING PRODUCTS FOR
INDUSTRIAL AND INSTITUTIONAL USE**

GS-37 protects water and air quality, human health, and the environment by requiring products to be sold in concentrated form*, prohibiting harmful chemicals, specifying sustainable packaging, and limiting VOC content. These criteria are intended to protect the health of building occupants and those using the product, as well as lower the impact of the product on the environment. The requirements in the standard cover: ⌚ Product Performance ⌚ Human Health Protection

GS-37 판매하는 물과 공기 품질, 인간의 건강 및 제품을 요구하여 환경을 보호
농축 된 형태 *, 유해 화학 물질 금지, 지속 가능한 포장 지정 및 **VOC** 제한
함유량. 이 기준은 건물 거주자 및 제품을 사용하는 사람들의 건강을 보호하기 위한 것이며,
환경에 대한 제품의 영향을 줄일 수 있습니다. 표준 표지의 요구 사항 :
제품 성능 인간 건강 보호



GS-37 enhances the safety of cleaning products by requiring them to be non-toxic and nonirritating to skin and eyes. Products cannot be formulated with harmful chemicals from a comprehensive list, which includes heavy metals, phthalates, formaldehyde donors, carcinogens, mutagens, reproductive toxins, asthmagens, and ozone depleting compounds. Water quality is protected by setting limits on phosphorus content (to prevent eutrophication), and environmental toxicity and bioaccumulation (to prevent harmful chemicals accumulating in the waterways). The content of volatile organic compounds (VOCs) is limited in order to prevent ground level ozone air pollution and to protect the health of users. The standard also sets requirements for products that contain microorganisms and enzymes, addressing concerns about biosafety, purity, and genetically modified microorganisms.

GS-37 비 독성 및 비자 극성이어야 피부하도록 요구함으로써 세정 제품의 안전성을 향상
및 눈. 제품에는 포괄적 인 목록에서 유해한 화학 물질을 함유 할 수 없습니다.
중금속, 프탈레이트, 포름 알데히드 기증자, 발암 물질, 돌연변이 유발 물질, 생식 독소, 천식 증후군 및
오존층 파괴 물질. 수질은 인 함량에 대한 제한을 설정함으로써 보호됩니다
(부영양화), 환경 독성 및 생물 축적 (유해 화학 물질 축적 방지수로서).
휘발성 유기 화합물 (**VOC**)의 함량은 지면을 보호하기 위해 제한됩니다
오존 대기 오염을 방지하고 사용자의 건강을 보호합니다. 표준은 또한 제품 요구 사항을 설정합니다.
미생물 및 효소가 포함되어 있어 생물 안전성, 순도 및 유전자에 대한 우려를 해결합니다.
변형 된 미생물

RUSTECO GS-34



GS-34

GREEN SEAL™ STANDARD FOR
CLEANING AND DEGREASING AGENTS

Toxic Compounds.

= The product shall not be toxic to humans. A product is considered toxic

if any of the following lethal dose (LD) criteria apply: Oral LD50 < 5,000 mg/kg Inhalation LC50 (mist, dust, or fumes) < 20,000 ppm of vapor or gas or 500 mg/L Dermal LD50 < 2,000 mg/kg

독성 화합물.

= 제품이 인체에 유해하지 않아야 합니다. 제품이 독성 물질로 간주 됨

다음의 치사량 기준 중 하나가 적용될 경우 : 경구 LD50 <5,000 mg / kg 흡입 LC50 (미스트, 분진 또는흠) <20,000 ppm의 증기 또는 가스 또는 500 mg / L의 피부 LD50 <2,000 mg / kg

Carcinogens and Reproductive Toxins.

= The product shall not contain any chemicals that are carcinogens or that are known to cause reproductive toxicity.

Carcinogens are defined as those chemicals classified by the International Agency for Research on Cancer as Group 1 (carcinogenic to humans), Group 2A (probably carcinogenic to humans), or Group 2B (possibly carcinogenic to humans) agents.

발암 성 및 생식 독소.

= 제품에는 발암 물질 또는 생식을 유발하는 것으로 알려진 화학 물질이 포함되어서는 안됩니다

독성. 발암 성 물질은 국제 기관에 의해 분류 된 화학 물질로 정의됩니다.

암은 그룹 1 (인체에 발암 성이 있음), 그룹 2A (인체에 발암 가능성이 높음) 또는 그룹 2B

(인간에게 발암 가능성이 있음) 대리인

RUSTECO GS-34



GS-34

GREEN SEAL™ STANDARD FOR
CLEANING AND DEGREASING AGENTS

- **Corrosivity and Causticity.**
- = The pH of the degreasing agent concentrate shall be less than 11.0 but greater than 2.5. The pH is measured using a pH meter and Method 9040 in Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, U.S. Environmental Protection Agency (EPA) Publication, SW-846.
- **부식 및 부식성.**
- = 탈지제 농축 물의 pH는 11.0보다 작지 만 2.5보다 커야합니다. pH는
- 고형 폐기물, 물리적 / 화학적 평가를위한 시험 방법에서 pH 미터 및 방법 9040을 사용하여 측정
- 방법, 미국 환경 보호국 (EPA) 간행물, SW-846.
- **Skin and Eye Irritation.**
- = The degreasing product concentrate shall not be a skin or eye irritant.
- **피부 및 눈 자극.**
- = 탈지 제품 농축 물은 피부 또는 눈 자극성이 없어야합니다
- **Toxicity to Aquatic Life.**
- = The product shall not be toxic to aquatic life. A compound is considered not toxic to aquatic life if it meets one of the following criteria:
Acute LC50 daphnia or fish > 100 mg/L Acute LC50 algae > 100 mg/L
- **수생 생물에 대한 독성.**
- =이 제품은 수생 생물에 독성을지지 않습니다. 화합물이 충족되면 수생 생물에 독성이없는 것으로 간주 됨
- 급성 LC50 물벼룩 또는 생선 > 100 mg / L 급성 LC50 조류 > 100 mg / L

ENVIRONMENTAL & PRODUCT SAFETY INFORMATION AQUATIC TOXICITY TEST (RUSTECO & GREASEMASTER)

BASED ON THE US ENVIRONMENTAL PROTECTION AGENCY'S **METHOD FOR MEASURING THE ACUTE TOXICITY OF EFFLUENTS TO FRESHWATER AND MARINE ORGANISMS EPA/600/4-85/013**, THE SAMPLE PASSING RATE IS AT LEAST 50% SURVIVAL OR GREATER. BOTH RUSTECO AND THE GREASEMASTER HAD A 100% SURVIVAL RATE, INDICATING 0% TOXICITY.

Clean Air Solvent (CAS) Certification (RUSTECO & GreaseMaster)

RUSTECO & GreaseMaster have been certified by the AQMD of the State of California as successfully having met all the requirements for a Clean Air Solvent certificate.

Wastewater Discharge Permit (RUSTECO)

The Department of Water Pollution Control of Hamilton, NJ has approved the discharge of the RUSTECO wastewater into the sewer system.

MILSPECS (RUSTECO)

Mil-C-38334A

Effect on painted surfaces - No discoloration or softening observed.

Residual Corrosion - Average weight loss on aluminum insignificant

Practical Cleaning - No streaking, spotting or discoloration observed, rinsed freely

Stress Cracking of Acrylics (Mi-P-25690 Type C) - No crazing, cracking or attack

Mil-Std-45662A & Mil-I-45208A, Amendment 1

Effect on tensile Strength of 7075-T6 Aluminum - No significant loss in tensile strength

Salt Deposits Removal (GreaseMaster)

According to EPA tests 600/R-95/136 (salt added to prepare synthetic seawater), treated control coupons were washed at 100 psi (fire hose pressure) and analyzed for Chloride, Sulfate, Nitrite, Bromide and ortho Phosphate. The test results showed no ortho Phosphate or Phosphorous and the salt deposits were below 1 micron per sq. cm., well below the allowable US Navy specs of three (3) microns per sq. cm prior to coating.

Wastewater Discharge Permit (GreaseMaster)

The County Sanitation Districts of Los Angeles County granted an Industrial Wastewater Discharge Permit No. 12704 for the disposal of 4500 gallons of cleaning wastewater, which had been generated by cleaning a large generator. This approval was given based on three (3) independent wastewater analysis reports, which certified that the oil content in the wastewater was well within the allowable limits, after oil separation had taken place in the GreaseMaster wastewater holding tank.

- Wastewater Discharge Permit (GreaseMaster)

The County Sanitation Districts of Los Angeles County granted an Industrial Wastewater Discharge Permit No. 12704 for the disposal of 4500 gallons of cleaning wastewater, which had been generated by cleaning a large generator. This approval was given based on three (3) independent wastewater analysis reports, which certified that the oil content in the wastewater was well within the allowable limits, after oil separation had taken place in the GreaseMaster wastewater holding tank.

- Port of Portland Ballast Water Treatment Plant Disposal Approval (GreaseMaster)

The acceptability limits are based on pH and oil content of the wastewater after cleaning oil tanks with the GreaseMaster. The pH was 5.9 and oil content was 12.4 ppm.

- ALYESKA Marine Terminal Discharge Approval (GreaseMaster)

The product meets all requirements for acceptance at the Ballast Water Treatment Facility (BWTF) in Valdez, Alaska.

- US Department of Agriculture (USDA) Approval (GreaseMaster)

The USDA has approved this product as an A-1 cleaner that can be used in all meat/poultry processing plants cleaning applications.

- US Food & Drug Administration (FDA) Criteria (GreaseMaster)

The GreaseMaster meets the safety criteria of the FDA as a cleaner for use in all food handling establishments including the cleaning of baby milk bottles. CFR 1/178.1010.

- Volatile & Semi-Volatile Organics Analysis

Applying the EPA standards of 8240 and 8270 respectively showed that no compounds were found in the GreaseMaster that are on the list of 132 priority pollutants. The MDL (Method Detection Limit) was applied in ppm (mg/L).

- Denmark

The Danish Institute of Technology has approved both the RUSTECO and GreaseMaster products as being safe in transport, handling and disposal. No hazardous marking or special handling is required.

The Danish Veterinary Authority has approved the GreaseMaster as a safe product that can be used as a cleaner in all dairy, poultry and meat processing plants.

- Russian Federation

The Ministry of Health has certified the RUSTECO corrosion treatment products as being safe to be used by Russian workers and also confirmed that the product has no adverse effect on the environment.

인허가 인증서

- USDA-Bio Preferred 소개
- 클린에어 솔벤트 인허가서 녹제거제
- 클린에어 솔벤트 인허가서 세척제
- USDA * BioPreferred
- 영국 에어로 스페이스 AIRBUS클리너
- Aircraft Cleaning
- Airport Concrete Cleaning
- AKZO NOBEL Marine Coating
- Alyeska pipeline
- BAKER TANKS cleaning detergent
- BOEING Exterior and General Creaners and Liquid Waxes, Polishes and Polishing Compounds
- CALIFORNIA MARINE DIESEL Air cooler type GEA, oval tube, Main engine type Sulzer
- COFFEY LABORATORIES, INC. Salt Cleaning Test
- South Coast Air Quality Management District Clean Air Solvent (CAS) Certification
- Corresion Management
- BETA ISO-17025 Accredited Testing laboratory Biobased Determination using ASTM-D6866-11

참고자료

- (USDA Application# 2794)Mean Biobased Result BioBased 98%
- DANAYARD Tankcleaning of fuel oil tank on Heimdal
- BUNGE MEAT INDUSTRIES LTD • COROWA
- ISS Industrial Cleaning of Fuel Oil Tank
- Environmental Protection Agency Accra, GhanaPERMISSION IMPORT ORGANIC BASED CLEANING PRODUCT
- GM POWERTRAIN GROUP General Motors Coporation Oil filter adaters Cleaning
- LOS ANGELES COUNTY SANITATION DISTRICTS WASTEWATER PERMIT 12704
- SANISTAL Cleaning Oil Rig Maersk Oil Gas jack up rig Endeavour in Esbjerg Denmark
- ARCO Exploration end Production TechnologyEvaluation of the Clean!ng Drilling and Completion Technology
- SAG River Hydrocarbon Sludge Collected From Tank LA Coastal Seawater
- Port of Portland Ballast Water Treatment Plant
- South Coast Air Quality Management District voc-cleaning-materials-amp-equipment NO VOC ODC GWC
- WILSON TESTING LABORATORIES, INC Acid Mine Drainage
- MHE Service Life Extension Program SLEP Naval PHST Center
- Valley Detroit Diesel Allison Industrial Cleaning
- SGS WasteWaterTest-Report



United States Department of Agriculture



www.biopREFERRED.gov

RUSTECO LLC
1465 E Del Amo Blvd
Carson, CA 90746

Thank you for completing and submitting the USDA Declaration of Conformance form. We have confirmed the form has been properly completed. Your response indicates that your product **RUSTECO GreaseMaster Biobased Cleaner** continues to meet the requirements of USDA's BioPreferred program. You remain in good standing in the program, and your products will continue to be featured in the online catalog. If the biobased content of any of your products in the program change, or you no longer manufacture a product, please promptly notify the USDA.

Thank you again for your cooperation.

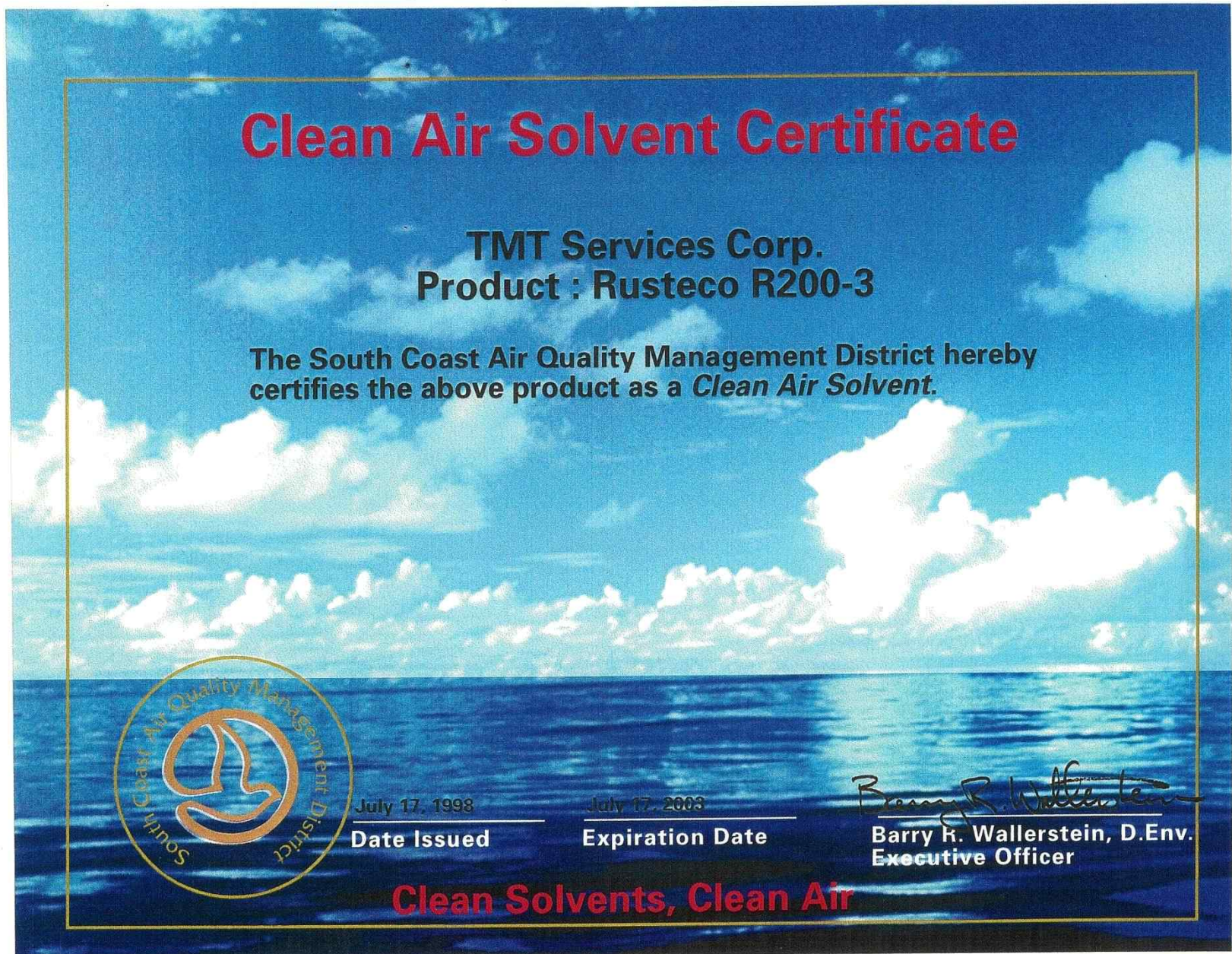
Kate Lewis
BioPreferred Deputy Program Manager

May 8, 2012

➤ 클린에어 솔벤트 인허가서 녹제거제



➤ 클린에어 솔벤트 인허가서 세척제





United States Department of Agriculture

Notice of Certification / Application ID: 3036



May 10, 2012

Michael Nahm
RUSTECO LLC
1465 E Del Amo Blvd
Carson, CA 90746-3172

Dear Michael Nahm,

On behalf of the United States Department of Agriculture's (USDA's) BioPreferred® program, I am pleased to inform you that your application for use of the USDA Certified Biobased Product Label for RUSTECO GreaseMaster has been approved as of April 26, 2012. The test results for your product indicate a biobased content of 98.0%.

The Label remains in effect as long as the product or package is manufactured and marketed in accordance with the approved application and requirements of §2904.5 (i.e. Code of Federal Regulations for the Voluntary Labeling Program for Biobased Products); unless one of these occur:

1. Product or package reformulation: The product or package formulation of the certified product is changed such that the biobased content is reduced to a level below that reported in the approved application. When products have been reformulated, a new application for certification must be submitted in order to resume using the USDA Certified Biobased Product Label; and/or,
2. New minimum biobased content: USDA revises the minimum biobased content required for a product or package to be eligible to display the certification mark and the product or package does not meet the revised minimum. USDA will inform you that your certification is no longer valid. In this case, you must increase the biobased content of your product to be at or above the revised minimum and re-apply for certification within 60 days in order to continue to use the certification mark.

You must read the BioPreferred Brand Guidelines and Graphic Standards document prior to downloading label artwork. (eAuth login is required)

This email is your official notice of biobased product certification. Please print and save this email should you need to provide certification documentation to any entity.

The BioPreferred program looks forward to a long and successful partnership with you in the promotion of biobased products. If you have additional questions or would like further information, you may call the BioPreferred Program Information Line (877) 251-6522 or email us at biobasedlabel@dm.usda.gov.

Sincerely,
Kate Lewis
Deputy Manager
USDA BioPreferred Program

➤ USDA * BioPreferred



ISO-17025 Accredited Testing Laboratory

PULA ISO/IEC 17025:2005 Testing Accreditation# 69423

Beta Analytic Inc.
4885 SW 74 Court
Miami, Florida 33165 USA
Tel: 305-867-5167
Fax: 305-863-8964
info@betanatlabservices.com
www.betanatlabservices.com

Summary of Results : Biobased Determination using ASTM-D6866-11

| | | | |
|------------|---------------------|---------------|----------------|
| Submitter: | Mr. H. Michael Nahm | Date Received | March 16, 2012 |
| Company: | RUSTECO LLC | Date Reported | March 19, 2012 |

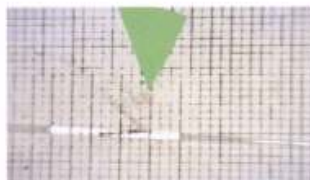
| Laboratory Number | Submitter Label | Material | Method of Analysis | Biobased Result |
|-------------------|---|-----------------|--------------------|-----------------|
| Beta-318536 | RUSTECO GreaseMaster (USDA Application# 2794) | Biobased Liquid | Method-B | 98 % |



Package received -labeling COC



View of content (1mm x 1mm scale)



Representative Sample Analyzed (1mm x 1mm Scale)

* ASTM-D6866 cites precision on The Mean Biobased Result as +/- 3% (absolute). This is the most conservative estimate of error in the measurement of complex biobased containing solids and liquids based on empirical results. Real precision for readily combustible and homogenous materials (e.g. gasoline) and especially samples received as CO₂ (e.g. flue gas or CEMS exhaust) can be as low as +/- 0.5-2%. The result only applies to the analyzed material. Fluctuations in carbon content within a batch of product, gasoline or flue gas must be determined separately (e.g. averaged measurements of multiple solids or liquids, and single measurement of the combination of gas aliquots collected over time). The accuracy of the result as it applies to the analyzed product, fuel, or flue gas relies upon all the carbon in the analyzed material originating from either recently respired atmospheric carbon dioxide (within the last decade) or fossil carbon (more than 50,000 years old). "Percent biobased" specifically relates % renewable (or fossil) carbon to total carbon, not to total mass or molecular weight. Mean Biobased estimates greater than 100% are assigned a value of 100% for simplification.

Page 1 of 4

➤ **BETA**
ISO-17025 Accredited Testing laboratory
Biobased Determination using ASTM-D6866-11
(USDA Application# 2794)
Mean Biobased Result
BioBased 98%

RUSTECO & OVISKOREA

⟨#⟩



Michael H. Nahm
TMT Services Corp.

Report Date: February 26, 1998
Job#: GE-980122AY-1
PO#: None Provided
Project#: None Provided
Project: Salt Cleaning Test
Page: 2 of 2

Analytical Procedure:

1. Salts used to prepare synthetic seawater (according to EPA 600/R-95/136) were added to 500 ml of sample 980122AY1x ("GreaseMaster R-300").
2. Two (2) metal coupons were soaked in this solution for one hour at ambient temperature. Another coupon was used as a control and was not soaked in the solution.
3. The treated and control coupons were then pressure washed at >100 psi.
4. Following this rinsing, each item was sonicated in Deionized water for 30 minutes to remove any residual salt deposits.
5. This Deionized water solution was analyzed for Chloride, Sulfate, Nitrate, Nitrite, Bromide and ortho Phosphate on the IC (EPA 300.0).

Analytical Results:

| Sample | Chloride | Bromide | Nitrite | Nitrate | Sulfate | Units |
|-----------------------|----------|---------|---------|---------|---------|---------------------------|
| Control Coupon (#106) | 12. | <0.2 | 0.13 | 0.07 | 1.9 | $\mu\text{g}/\text{cm}^2$ |
| Treated Coupon (#72) | 1.1 | <0.2 | 0.09 | 0.04 | 1.1 | $\mu\text{g}/\text{cm}^2$ |
| Treated Coupon (#98) | 0.7 | <0.2 | 0.11 | 0.02 | 0.7 | $\mu\text{g}/\text{cm}^2$ |

No ortho-Phosphate was seen on any sample using the IC (EPA 300.0)
No Phosphorus was seen on any sample using the ICP (EPA 200.7)

Total Chemist Time: 5 1/4 Hours.

➤ COFFEY LABORATORIES, INC. Salt Cleaning Test

소금,염분 제거 테스트 결과

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 E. Copley Dr., Diamond Bar, CA 91765-4182

APPLIED SCIENCE AND TECHNOLOGY
REPORT OF LABORATORY ANALYSIS

TO: Anupom Ganguli, Sr. Manager
VOC Rules and NSR
Stationary Source Compliance

LABORATORY NO. 90648-04-001

REFERENCE NO. SK-28-96

SAMPLE DESCRIBED AS:

DATE RECEIVED: 3-05-98

Grease Master R-300

SOURCE I.D. # None

SUBMITTED BY: Lou Yuhas

SAMPLE TMT Services Corp.
SOURCE: P. O. Box 11398
Torrance, CA 90510-1398

Clean Air Solvent (CAS) eligibility determination by SCAQMD Method 313-91.

All analyses were performed on the product, as received.

There were no VOHAP, ODC or GWC detected.

The VOC composite partial pressure is estimated to be <1 mm Hg

Based on a maximum dilution (1:50) as stated in the Analysis Request Sheet, the
VOC is estimated to be <5 g/L.

Conclusion: The product meets CAS criteria.

Date Approved: 7/14/98

Approved By: Rudy Eden

Rudy Eden, Sr. Manager
Laboratory Services

cc: Lou Yuhas

EA/STD/LAB/98/compli-QA/90648041.DOC

➤ South Coast Air Quality Management District
Clean Air Solvent (CAS) Certification

RUSTECO & OVISKOREA

<#>



1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
Telephone: (310) 699-7411, FAX: (310) 695-6139

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

CHARLES W. CARRY
Chief Engineer and General Manager

July 6, 1994
File: 15-00.05-00/94-12704R
Acct. No. 1906822

Mr. James Price
Valley Detroit Diesel Allison
13644 E. Nelson Avenue
City of Industry, Ca 91746

Dear Mr. Price:

Temporary Industrial Wastewater Discharge Permit No. 12704
Request to Discharge on a One-Time-Only Basis, 4500 gallons of Spent Cleaning Wastes

This letter is written in response to a letter dated June 17, 1994, copy attached from "Metal Treatment Center" on your company's behalf, requesting approval for a one-time only disposal of forty five hundred (4,500) gallons of spent Rusteco cleaning wastewater. This wastewater was generated by cleaning a large generator equipment of approximately dimensions 60"x 6"x 6' with a diluted 400:1 Rusteco R-300-1 liquid degreaser solution.

Upon review of your request and the supporting data (three wastewater analysis reports from ABN Environmental Laboratories, Inc. dated 6-14-94, 6-15-94 and 6-23-94) the Districts grant Valley Detroit Diesel Allison's one time permission to discharge up to 4,500 gallons of the subject wastewater to the public sewer thru the existing clarifier and sampling box. The approval of the proposed discharge is contingent upon compliance with applicable Sanitation Districts' Wastewater Ordinance requirements, other regulatory agencies' regulations, and upon the items indicated on the requirement list below:

One-Time Discharge Requirement List

1. This approval is issued as a one-time discharge only to dispose to the sewer forty five hundred (4,500) gallons of wastewater generated from cleaning a large generator equipment as described above at this facility.
2. The wastewater must be discharged to the sewer within thirty (30) days from the date of this letter. The Sanitation Districts must be notified 48 hours prior to commencement of the discharge operation.
3. The permission to discharge is subject to a volume and time restriction indicated below:
 - a) Total wastewater volume not to exceed 4,500 gallons.
 - b) Project shall be completed within 30 days of the date of this approval. Any extension requires a written request be submitted for Districts' review and approval.
 - c) The wastewater discharge rate shall not exceed 30 gpm.

➤ LOS ANGELES COUNTY SANITATION DISTRICTS WASTEWATER PERMIT 12704

폐수 허용

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 E. Copley Dr., Diamond Bar, CA 91765-4182

APPLIED SCIENCE AND TECHNOLOGY
REPORT OF LABORATORY ANALYSIS

TO: Anupom Ganguli, Sr. Manager
VOC Rules and NSR
Stationary Source Compliance

LABORATORY NO. 90648-04-002

REFERENCE NO. SK-28-96

SAMPLE DESCRIBED AS:

DATE RECEIVED: 3-05-98

Rusteco R-200-3

SOURCE I.D. # None

SAMPLE TMT Services Corp.
SOURCE: P. O. Box 11398
Torrance, CA 90510-1398

SUBMITTED BY: Lou Yuhas

Clean Air Solvent (CAS) eligibility determination by SCAQMD Method 313-91.

All analyses were performed on the product, as received.

There were no VOHAP, ODC or GWC detected.

The VOC composite partial pressure is estimated to be <1 mm Hg

The VOC is estimated to be <5 g/L.

Conclusion: The product meets CAS criteria.

Date Approved: 7/14/98

Approved By: Rudy Eden

Rudy Eden, Sr. Manager
Laboratory Services

cc: Lou Yuhas

E:\ASTD\LAB98\compli-QA\90648042.DOC

➤ **South Coast Air Quality Management District
voc-cleaning-materials-amp-equipment
NO VOC ODC GWC**

RUSTECO & OVISKOREA

<#>



United States
Department of
Agriculture

Food Safety
and Inspection
Service

Regulatory Programs
Building 306, BARC-East
Beltsville, MD 20705

August 22, 1995

Mr. Michael H. Nahm
T M T Services Corp.
Post Office Box 11398
Torrance, CA 90510

Dear Mr. Nahm:

This is in reply to your request for compound authorization received on July 20, 1995 for your product GreaseMaster R-300-1.

This product is acceptable as a general cleaning agent on all surfaces, or for use with steam or mechanical cleaning devices in all departments of official establishments operating under the Federal meat, poultry, shell egg grading, and egg products inspection programs.

Before using this compound, food products and packaging materials must be removed from the room or carefully protected. After using this compound, surfaces must be thoroughly rinsed with potable water.

Acceptance of compounds by this Department is in no way to be construed as an endorsement of the compounds or of any claims made for them.

If any change is made in the labeling information or formulation, the authorization for use in official plants becomes void immediately.

Sincerely,

John M. Damare, Chief
Compounds and Packaging Branch
Product Assessment Division

cc: Archer Daniels Midland Company

➤ **United States Department of Agriculture
Food Safety and Inspection Service**

미국 농무부
식품 안전 및 검사 서비스

RUSTECO & OVISKOREA

TECHNICAL MEMORANDUM No. PHST-35-00-A

Appendix D (continued)

TECHNICAL MEMORANDUM No. PHST-35-00-A

MHE Service Life Extension Program (SLEP)

Processing Guide



This publication supersedes the Service Life Extension Program (SLEP) Processing Guide, dated October 1997.

Developed for: The NAVICP-M Material Handling Equipment (MHE) Service Life Extension Program (SLEP).

By: Naval PHST Center, Code 71, Naval Surface Warfare Center, Indian Head Division
Detachment Earle, 201 Highway 34 South, Colts Neck, NJ 07722-5023

| MANUFACTURER'S DESIGNATION | NATIONAL STOCK NUMBER (NSN) | SPECIFICATION | DESCRIPTION | MANUFACTURER'S NAME, ADDRESS & PHONE NUMBER |
|------------------------------|--|---------------|---|--|
| ** | 9150-01-313-2191 | MIL-L-2105 | Lub Oil Multipurpose 80-140W | Various |
| Scotch™ Epoxy Adhesive #1751 | 8040-00-123-6954 8040-00-959-1854 8040-00-307-5925 | | 6 one pint kits containing part A & B epoxy resin. Resistant to oils, moisture, jet fuel and salt spray. Color is aluminum. Shelf life is 12 months. 1 quart kit 1 gallon kit | Minnesota Mining & Mfg. Co. Adhesives coatings & sealers Div. 3M Ctr, St. Paul Mn 55144 (651) 737-4114 |
| Greasemaster R-300 | | | Degreasing concentrate | TMT Services Corp., P.O. Box 11398, Torrance Ca 90510-1398, (562)432-4868 |
| Rusteco R-200-3 | | | Rust and corrosion removal liquid | |
| ** | 9150-00-267-7188 | MIL-G-83261 | Grease | Various |

* Approval of chemicals other than those recommended by the equipment manufacturer shall be granted by NAVICP-M and the ISEA.

* *Manufacturer's designator not available

D-3/(D-4 blank)

RUSTECO & OVISKOREA

Client: Rusteco LLC Date: 08-May-2012
Product: RUSTECO GreaseMaster Biobased Cleaner SMI/REF: 1203-402
Dilution: As received
BOEING D6-17487 REVISION R (Exterior & General) Page 3 of 3

Acrylic Crazeing Test:

The material being tested shall not craze, crack, or etch acrylic test specimens when tested in accordance with ASTM F 484 using Type C (stretched acrylic plastic in accordance with MIL-P-25690) stressed to an outer fiber stress of 4500 psi.

Type C (MIL-P-25690): No crazing, cracking, or etching

Result _____ Conforms _____

Paint Softening Test Procedure:

- a. Testing shall be in accordance with ASTM F502 using the following coating systems.
- (1) BMS 10-79, Type II primer applied in accordance with BAC 5882 plus BMS 10-60, Type II enamel in accordance with BAC 5845.
 - (2) BMS 10-79, Type III primer applied in accordance with BAC 5882, plus BMS 10-100 coating in accordance with BAC 5795.
- b. Three specimens conforming to Section 13a.(1) and three specimens conforming to Section 13a(2) shall be used for each test condition.
- c. The material being tested shall not produce a decrease in film hardness greater than two pencils, or any discoloration or staining.

NOTE: Slight darkening of the BMS 10-100 surface is acceptable.

As received:

Paint system 1: 0 pencil hardness change after 24 hour post-exposure dry time.
No discoloration or staining.

Paint system 2: 0 pencil hardness change after 24 hour post-exposure dry time.
No discoloration or staining.

Result _____ Conforms _____

Hydrogen Embrittlement Test:

Hydrogen Embrittlement testing shall be in accordance with ASTM F 519-93, using cadmium plated Type 1a, 1c, or 2a specimens. All requirements of ASTM F519-93 for specimens, preparation, testing, and reporting shall apply. Type 1a specimens shall meet the requirements of D6-4307.

Specimens: Type 1c, cadmium plated per MIL-STD-870.

(45% load, 150 hours, notched immersed for the duration, room temp.)

As received: #1: No failure occurred within 150 hours.
#2: No failure occurred within 150 hours.
#3: No failure occurred within 150 hours.
#4: No failure occurred within 150 hours.

Result _____ Conforms _____

REF. 록히드 마틴 항공기 부품 세척

바이오 기반 제품이 도장 된 표면에 유해한 영향을 미치지 않으며 모든 기준을 준수 함을 증명하는 **BOEING AIRCRAFT COMPANY** 인증 테스트를 수행했습니다.

Saddleback Aerospace Company를 대신하여 **NTS**에 의해 수행되었으며, 당시 **Lockheed Martin**의 대리인으로 활동했습니다. 이것은 항공기 알루미늄 부품에 대한 부식 테스트였으며, 이것은 좋은 표면 처리를 얻기 위해 페인트 작업을하기 전에 첫 번째 단계입니다. 다시 **RUSTECO** 제품은 매우 잘 수행되었고 알루미늄은 페인트 칠을 위해 준비되었습니다.

두 경우 모두 부식 처리 및 페인트 표면 검사는 페인트의 표면 및 / 또는 품질에 변화가 없음을 나타냅니다.

〈#〉



United States
Department of
Agriculture

Food Safety
and Inspection
Service

Regulatory Programs
Building 306, BARC-East
Beltsville, MD 20705

August 22, 1995

Mr. Michael H. Nahm
T M T Services Corp.
Post Office Box 11398
Torrance, CA 90510

Dear Mr. Nahm:

This is in reply to your request for compound authorization received on July 20, 1995 for your product GreaseMaster R-300-1.

This product is acceptable as a general cleaning agent on all surfaces, or for use with steam or mechanical cleaning devices in all departments of official establishments operating under the Federal meat, poultry, shell egg grading, and egg products inspection programs.

Before using this compound, food products and packaging materials must be removed from the room or carefully protected. After using this compound, surfaces must be thoroughly rinsed with potable water.

Acceptance of compounds by this Department is in no way to be construed as an endorsement of the compounds or of any claims made for them.

If any change is made in the labeling information or formulation, the authorization for use in official plants becomes void immediately.

Sincerely,


John M. Damaré, Chief
Compounds and Packaging Branch
Product Assessment Division

➤ **SGS**
WasteWaterTest-Report

폐수 테스트리포트



Test Report

| | | | |
|--|--|----------------|------------|
| REPORT No.: | SH/ENV11050162/1 | DATE RECEIVED: | 05/23/2011 |
| ATTENTION: | Ihsin LIU | DATE REPORTED: | 07/11/2011 |
| CUSTOMER: | Jato Trading (Suzhou) Co. Ltd 2nd Floor, Build #5, Proud Science & Technology Park No. 1328 Jinfeng South Rd., Wuzhong Suzhou, China, 215101 | | |
| REFERENCE: | - | | |
| REMARKS 1.This test document cannot be reproduced in any way, except in full content, without prior approval in writing by the laboratory. 2.The results shown in this test report refer only to the sample(s) tested unless otherwise stated. 3.The report is translated from SH/ENV11050162. | | | |
| Approved by:  June CAI Technical Manager | | | |

Page 1 of 5



Tel: (0302) 664697 / 664698,
662465 / 667524
Fax: 233 (0302) 662690

Email: support@epaghana.org



Environmental Protection Agency

P. O. Box M 326
Ministries Post Office
Accra, Ghana

OUR REF.: OP. 2276/12/01

27th July 2012

The Managing Director
GWorld Ghana Limited
3-Osu La Road
Near Castle Junction
Osu-Accra

Dear Sir,

RE: PERMISSION TO IMPORT ORGANIC BASED CLEANING PRODUCT – RUSTECO

We refer to your letter of 26th March 2012 on the above subject and hereby inform you that approval has been given for you to import the underlisted chemical product subject to the stipulated conditions.

CHEMICAL

Rusteco Organic Based Cleaning product

END USE

Degreasing, rust and corrosion control

CONDITIONS OF APPROVAL

1. This permit is valid for the above consignment only.
2. You are requested to submit relevant documents covering the consignment for the processing of clearance permit.
3. Notwithstanding this permit, your activities are further subject to other relevant regulations and permits in accordance with sound chemicals management and the Material Safety Data Sheets provided.

In the event of non-compliance or non-observance of any of the above conditions, the Agency would enforce the relevant provisions of the Environmental Protection Agency Act, 1994 (Act 490).

Yours faithfully,

J. A. PWAMANG
DIRECTOR/CCMC

For: AG. EXECUTIVE DIRECTOR

CC: The Hon. Minister, Min. of Environment, Science & Technology, Accra
The Hon. Minister, Min. of Trade & Industry, Accra
The Commissioner, Ghana Revenue Authority, Customs Division, Accra
The Director General, Ghana Ports and Harbours Authority

➤ **Environmental Protection Agency**
Accra, Ghana
PERMISSION
IMPORT ORGANIC BASED
CLEANING PRODUCT

SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Rusteco LLC
1465 E. Del Amo Blvd
Carson, CA 90746

Date: 17-May-2012

SMI/REF: 1203-402

Product: **RUSTECO GreaseMaster Biobased Cleaner** (received 19-Apr-2012)

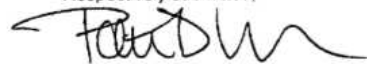
Dilution: As received

Page 1 of 4

British Aerospace
AIRBUS AIMS09-00-002 (Issue 3, July 2011)
EVALUATION OF MAINTENANCE MATERIALS
Exterior and General Cleaners

| | | |
|-------|-----------------------------|----------|
| 5.3.1 | Sandwich Corrosion Test | Conforms |
| 5.3.2 | Total Immersion Test | Conforms |
| 5.3.3 | Hydrogen Embrittlement Test | Conforms |
| 5.3.4 | Paint Softening Test | Conforms |
| 5.3.5 | Acrylic Crazeing Test | Conforms |
| 5.3.6 | Polycarbonate Crazeing Test | Conforms |

Respectively submitted,



Patricia D. Viani, SMI Inc.

➤ 영국 에어버스
AIRBUS
클리너



PRODUCT INFORMATION AND USER INSTRUCTIONS

Interior and Exterior Aircraft Cleaning

All Purpose Cleaner for Airport Structures & Facilities

Airport Concrete Cleaning



For Technical or Purchase Information please contact us at:

E-mail: rusteco@aol.com or Fax: 310-294-9635
International Calls 310-294-9150 or Toll-Free 1-800-787-8326

Prepared for:
RUSTECO LLC
PO Box 11398
Torrance, CA 90510
Issue 2 11/14

RUSTECO & GreaseMaster are federally registered trademarks of RUSTECO LLC, Carson, CA USA.

➤ Aircraft Cleaning Airport Concrete Cleaning

항공기 청소
공항 콘크리트 청소





TMT Services Corp
P.O. Box 11398
Torrance, CA 90510-1398

Attention: Michael H. Nahm
CEO

| | | | |
|----------|---------------|---------------|---------------------------|
| Your ref | Direct Fax | Direct line | Gateshead |
| | 0191 438 3977 | 0191 402 2624 | 1 st June 2004 |

Ref- GreaseMaster surface preparation treatment

Dear Sir,

Our current experience with the GreaseMaster has proved the substrate condition post treatment is suitable for International Coatings range of surface tolerant coatings.

Interbond 808 and Interzone 954 as a high performance surface tolerant epoxy is ideally suited to be used on a surface treated with the GreaseMaster degreaser.

Yours sincerely

Clive O'Leary

European Business Development Manager- Marine
International Coatings

International

➤ AKZO NOBEL Marine Coating



Alyeska pipeline
SERVICE COMPANY

AUG 30 1993

1000 SOUTH BRAGAN STREET, ANCHORAGE, ALASKA 99512, TEL: (907) 278-1181, TELEFAX (907) 278-1182

File No. B-7.02.07

August 26, 1993

Mr. M.J. Openshaw
Keystone Shipping Co.
Pacific Coast Division
401 Canal Avenue
Wilmington, California 90744-6598

Subject: Review of the Laboratory Analysis of RUSTECO-R-300-1 by
Southern Testing and Research Laboratories, Inc.

Dear Mr. Openshaw:

We have reviewed the laboratory report provided by Southern Testing and Research Laboratories Inc. (STRL) that you forwarded to me in your letter dated June 23, 1993. STRL's report presents the analysis of RUSTECO-R-300-1 for halogenated volatile and semivolatile organic priority pollutants as required by the Alyeska Cleaning Agent Criteria for Cargo, Tank Bunker Tank or Bilge Cleaning (hereafter referred to as the Criteria). You have already been advised that these criteria became effective on August 15, 1993.

From our review of STRL's laboratory report, we confirm the following:

- STRL has used the analytical methods referenced in the Criteria.
- STRL has reported analytical results for compounds targeted by the analytical methods referenced by the Criteria.
- The detection limits (or quantitation levels) reported by STRL are consistent with those required by the Criteria.

Based on these findings and a written declaration we received from Mr. Wm. D. Carter (of Archer Daniels Midland Co.) on June 29, 1993 stating that RUSTECO-R-300-1 was a citrus based cleaner, we believe that this cleaning agent satisfies the implicit requirements of items 1, 2, and 3 of the Criteria.

Without further supporting information we cannot confirm that STRL has correctly identified the target compounds, correctly calculated detection/quantitation levels, correctly implemented the analytical methods used or is an independent, qualified environmental testing laboratory.

➤ Alyeska pipeline



RUSTECO & OVISKOREA

⟨#⟩



19618 SO. SUSANA ROAD, RANCHO DOMINGUEZ, CA 90221 ■ 310/763-5766

February 13, 1997

Michael H. Nahm
TMT Services Corp.
P.O. Box 11398
Torrance, CA 90510-1398

Dear Mr. Nahm:

Re: GREASEMASTER cleaning detergent for Baker Tanks

We have America's largest rental container inventory nationwide and it is of utmost importance that we can provide our clients with clean tanks.


We wish to express our thanks for the great job that your company is doing on a consistent basis to clean those tanks, many of which have severe oil deposits. We find that your process with the GREASEMASTER cleaner is highly efficient and cost effective, yet does not have a negative impact on the tanks metal strength or the environment as is the case when sandblasting.

Our company is always looking for ways to reduce contamination of the environment, in fact this is a key issue in our business, and I am pleased to say that this unique cleaning process is a very positive part of our overall efforts to achieve this goal.

We foresee to continue and, in time, increase using your services and product at our various locations around the country, as you did recently at our South Gate facility. The L.A. County Water District gave us permission to discharge 20,000 gallons of used GREASEMASTER wash water into the sewer system, this in itself is a great testimony to the safety of your product.

Keep up the good work.

Sincerely,


James R. Boone
Vice President, Operations

➤ BAKER TANKS cleaning detergent for Baker Tanks



⟨#⟩

SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Rusteco LLC
1465 E. Del Amo Blvd
Carson, CA 90746

Date: 08-May-2012

SMI/REF: 1203-402

Product: **RUSTECO GreaseMaster Biobased Cleaner** (received 19-Apr-2012)

Dilution: As received

Page 1 of 3

BOEING D6-17487 REVISION R
*Exterior and General Cleaners and Liquid Waxes,
Polishes and Polishing Compounds*

Sandwich Corrosion Test

Conforms

Acrylic Crazeing Test

Conforms

Paint Softening Test

Conforms

Hydrogen Embrittlement Test

Conforms

Respectfully submitted,



Patricia D. Viani, SMI, Inc.

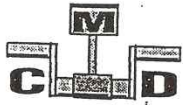
➤ **BOEING**
**Exterior and General Cleaners and Liquid Waxes,
Polishes and Polishing Compounds**

보잉
외부 세척



RUSTECO & OVISKOREA

#



CALIFORNIA MARINE DIESEL, INC.

1501 West 15th Street
Long Beach, CA 90813-1206
Phone: (310) 491-5665 • Fax: (310) 491-7505

Air cooler type GEA, oval tube.
Main engine type Sulzer 12RND90M.

We were recently involved in the removal of the air coolers, from the main engine on board the vessel, M.V. President Eisenhower, to attempt a cleaning programme, in order to reduce high back-pressure readings.

From past experience, we are well aware that it is extremely difficult to clean the air side of such large coolers; to produce a more acceptable pressure drop. It is usual to replace it with a new one.

We were approached by Rusteco Service Centre, who expressed their confidence in being able to restore it's performance. Although we were sceptical, we agreed to their applying the cleaning process, adopted by them.

Upon re-installing the cooler, we were pleasantly suprised to note that the pressure drop figure was equal to that of a new cooler, namely, 50mm Wg. This figure is remarkable, considering that we were unable to record any reading, prior to being cleaned by Rusteco.

We have now used the services of Rusteco on a further six coolers; all producing the same results.

M. Murray
Mr. M. Murray (Senior Engineer).
for; CALIFORNIA MARINE DIESEL INC.

➤ **CALIFORNIA MARINE DIESEL**
Air cooler type GEA, oval tube. Main engine type Sulzer



Corrosion Management, Inc.

5555 N. Channel Ave., Bldg 10, Portland, OR 97217

(503) 247-1500 Telephone
(503) 247-1437 Facsimile

October 22, 1999

TMT Services Corp
P.O. Box 11398
Torrence, CA 90510

Attention: Michael Nahm

Reference: Greasemaster

Dear Michael

We have just completed cleaning the gray water tanks onboard the "Dawn Princess" owned by Princess Cruises. These tanks were extremely contaminated and presented a formidable task. Greasemaster performed as we expected and allowed us to complete the cleaning ahead of our proposed schedule.

We have used Greasemaster since 1983 for cleaning oil tanks, engine rooms as preparation for painting and numerous other cleaning projects. We have recommended its use to others who have enjoyed equally successful results.

We have accomplished tanks for Princess Cruises, Holland America Lines, the government of Thailand, the U.S. Government and Exxon to name but a few.

Greasemaster has assisted us in reducing man hours, meeting and exceeding estimated work schedules, bidding shorter time frames necessary to complete the task ahead of our competitors and to provide a quality end product.

Greasemaster is user-friendly in both liquid and gel form, environmentally correct and does not interfere with other work in progress in the surrounding areas.

It has proven economical due to its ability to separate the oil and not emulsify it, thus lessening disposal costs and by performing as needed, quickly.

Sincerely,

D.T. Walton
Production Superintendent

➤ Corrosion Management



DANAYARD

Translation

Danyard/Ørskov
Heimdal

| Your ref | Our ref | Date | Extension |
|----------|---------|----------|-----------|
| | ABI/ISS | 15.11.99 | |

Subject: Tankcleaning of fuel oil tank on Heimdal

Time consumption: 2 men for 3 days totalling 45 hours

Product: DSB rens, Diesel oil

Result: Not good

Same task: Carried out with GreaseMaster

Time consumption: 2 men for 4 hours

Product: GreaseMaster

Result: Very good

Kind regards

Allan Bang Ingvarsen

Shipbuilding, Repairs, and General Engineering Works
A/S reg. no.: 32 480

➤ DANAYARD
Tankcleaning of fuel oil tank on Heimdal



7 December, 1993

TO: Peter Tonkes

COPY TO:

FROM: JOHN O'SHEA

REF: JOS.dk

Comparison of R300 with Turbochlor

R300 is a detergent material of unspecified composition supplied by Sirius Biotechnology.

Turbochlor is a high pH (> pH 11.0) detergent which contains sodium hypochlorite and is manufactured by Gibson Chemicals.

Both chemicals were diluted to the same extent ($1/400$ estimated) and applied with a pressure gun. The chemical was allowed 2 minutes contact time with the surface, and then subjected to a high pressure stream which contained the detergent at the same concentration. The final wash was with hot water. Swabs were taken from the crated surface and applied to total plate count covered agar plates. In addition Dipslides (Dimanco Ltd, Henlow Bedfordshire) were contacted on the treated surface.

The surfaces evaluated were:

1. Cutting Boards that had been used and then allowed to stand outside for 2 days.
2. The stainless steel surfaces in the abattoir.

ResultsCutting Boards

| | R300 $1/400$ | Turbochlor $1/400$ |
|--------------|------------------------------------|--------------------|
| Dipslides | 4, 0, 1, 0 | 7, 1, 2, 0 |
| Swab / plate | 2, 3, 0, general growth (mould) | 1, 80, 240, 240 |

➤ BUNGE MEAT INDUSTRIES LTD • COROWA



TMT Services Corp.
Att.: Mr. Michael Nahm
P.O. box 11398
Torrance, CA 90510-1398
USA

Frederikshavn, d. 17-11-99

Subject: Cleaning of Fuel Oil Tank with Greasemaster - M/F Heimdal

Dear Mr Nahm.

We should like to confirm that ISS Industriservice have on 15 November 1999 cleaned a fuel oil tank on M/F Heimdal - presently under repair at Danyard Shipyard in Frederikshavn, Denmark.

We had tried several different chemical cleaning products as well as diesel oil, however, without the required results - both regarding the desired cleanliness and time consumption.

We contacted Mr Thorkild Kjærsgaard, Sanistaal concerning the cleaning product Greasemaster.

The tank was hereafter cleaned by 2 men in 4 hours - a remarkable result compared to the other above mentioned products/diesel oil, also regarding personal health and environmental aspects.

We can therefore fully support the use of Greasemaster products, and are presently also basing an offer on cleaning of Stolt Achievement on the Greasemaster.

Yours faithfully
ISS Industriservice

Allan Bang Ingvartsen
Allan Bang Ingvartsen
Supervisor

➤ **ISS Industrial
Cleaning of Fuel Oil Tank**





GM POWERTRAIN GROUP
General Motors Corporation
902 East Hamilton
Flint, Michigan 48550

May 12, 1998

Ecoclean
100 N. Meadows Road
Medfield, MA 02052

Dear George,

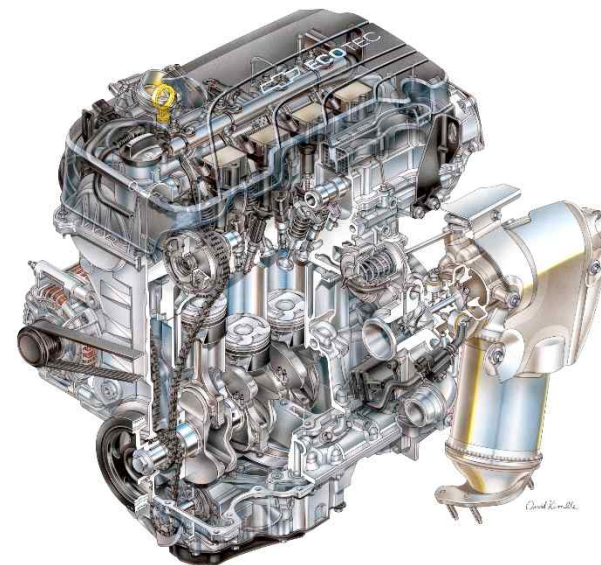
The Rusteco R-200 derusting liquid worked very well for us in derusting 12,000 oil filter adapters. Goodwill Industries was contracted to perform the labor and we provided the Rusteco R-200. Per your suggestion they warmed the Rusteco R-200 liquid to 140° F, prior to use. Within two hours a basket full of immersed oil filter adapters was completely derusted.

The project was a complete success, with health and safety considered as well as our environment. I would not hesitate to use the product again, and I would recommend it to others with a similar rust problem.

Sincerely,

James A. Ford
Supt. Manufacturing Engineering
General Motors Powertrain
Flint V6 Engine Plant

➤ **GM POWERTRAIN GROUP**
General Motors Corporation
Oil filter adapters Cleaning





TMT Services Corp.
Att.: Mr. Michael Nahm
P.O. box 11398
Torrance, CA 90510-1398
USA

Frederikshavn, d. 26-08-99

Subject: Cleaning with GreaseMaster on Oil Rig

Dear Mr Nahm.

Mid August 1999 Hempel Contractor and our technical representative made a test on the Maersk Oil & Gas jack-up rig Endeavour in Esbjerg, Denmark.

Oil and grease was removed from the rig in a test, using five different types of degreasing products, among other the GreaseMaster.

The test showed that the GreaseMaster was superior both as regards cleaning efficiency, price and environmental compliance.

A not yet finalised report from Hempel Contractors will support the above.

Yours faithfully
Sanistål Marine

A handwritten signature in black ink, appearing to read 'Karsten Borneman'.

Karsten Borneman
Sales & project manager

➤ **SANISTAL**
Cleaning Oil Rig

**Maersk Oil Gas jack up rig Endeavour in Esbjerg
Denmark**



ARCO Exploration and Production Technology

RECEIVED Internal Correspondence

AUG 27 1992

OPERATIONS

Date : August 25, 1992
 Subject : Evaluation of the Cleaning Performance of RUSTECO R-300-1
 From/Location : Albert F. Chan PRC J-2203
 Telephone : 754-3322
 To/Location : A. M. MacGillivray LAC-1125 590-4583

The following is a short report on the evaluation test results performed on RUSTECO R-300-1 degreasing solution supplied by the TMT Services Corp. Should you decide that a field trial is warranted and also would like further technical support from Plano, I can make myself available for your field test project.

We have also worked on many issues involving the cleaning of oil based and water based drilling muds, paraffin and asphaltene deposit, and also the tertiary recovery of crude oil from reservoir rocks using detergent solution etc. If we could be of help to you in any of the tanker cleaning problems, please call on us anytime.

Summary of Test Results

- (1) RUSTECO R-300 shows good cleaning of SAG River hydrocarbon sludge when subjected to adequate concentration, temperature, and agitation conditions. With a RUSTECO R-300 concentration of 400:1 dilution, 145°F temperature and good agitation, a removal efficiency as high as 80-90% of the hydrocarbon sludge from a flat metal surface was obtained in the laboratory tests.
- (2) Lower concentration of RUSTECO R-300 such as 600:1 dilution, as suggested in the TMT's brochure, did not provide good cleaning. Some redeposition of oil film on the metal surface was observed in such lower concentration system. However, higher concentrations such as 200:1 or 300:1 dilutions did not provide significant differential advantages over a 400:1 dilution fluid.
- (3) Temperature and agitation are keys to the efficiency of RUSTECO R-300 in its cleaning performance. Lower temperature conditions such as 110°F and 72°F reduce the removal efficiency to 75-80% and 40-45%, respectively.
- (4) The cleaning efficiency of RUSTECO R-300 also depends on how the hydrocarbon sludge is distributed on the metal surfaces. RUSTECO R-300 appeared capable of penetrating into larger blobs of sludge (say, ~1/8" or thicker of sludge deposit) and dispersing them into the solution; on the other hand, RUSTECO R-300 became much less efficient when the sludge is in the form of thinner films (say, ~1/32"

ARCO Exploration and Production Technology

Evaluation of the Cleaning Drilling and Completion Technology SAG River Hydrocarbon Sludge Collected From Tank LA Coastal Seawater



⟨#⟩



Box 3529, Portland, Oregon 97208
503/231-5000

April 2, 1993

Mr. Micheal Nahm
TMT SERVICES CORP.
P.O. Box 7566
Van Nuys, CA 91409-7566

Dear Mr. Nahm:

We have tested your product, RUSTECO R-300-1, and found it to be an acceptable tank cleaning product that can be disposed of at our Ballast Water Treatment Plant. Our acceptability limits are based on pH and oil content of the test sample. Your cleaner had a pH of 5.9 and an oil content of 12.4 ppm. Our approval is not an endorsement of your product, it merely indicates that your product when used according to your specifications is compatible with the requirements of our system. I am enclosing the updated cleaner list with your product on it.

If you have any further questions or if there is any way that I can be of assistance please call me at (503) 240-3041.

Sincerely,

Neil Muller
Superintendent of Maintenance

cc: Dale Carter

➤ Port of Portland Ballast Water Treatment Plant



RUSTECO & OVISKOREA

⟨#⟩



WILSON TESTING LABORATORIES, INC.

401 West Chestnut Street

SHAMOKIN, PA. 17872

Fax 570-648-6606

TOM BARRICK, B.S.
Chemistry

TIM BARRICK, B.S.
Chemistry

August 2, 2012

RUSTECO LLC
1465 E Del Amo Blvd.
Carson, CA 90746 USA

Attn: Michael,

Re: Acid Mine Drainage & Grease Master Study

Application: A sample of Acid Mine Drainage (AMD) was collected from the "CORBIN DRIFT" mine water outflow. The following series of 1-liter beakers were placed on a Phipps & Burd Flocculating Apparatus. Grease Master was applied as follows:

| Beaker # | |
|----------|---|
| 1 | 1000 ml AMD stands Idle |
| 2 | 1000 ml AMD paddle Mixing 60rpm |
| 3 | 1000 ml AMD paddle mixing +0.6lpm Air |
| 4 | 1000 ml AMD + 40 ml GM Stands Idle |
| 5 | 1000 ml AMD + 40 ml GM paddle mixing |
| 6 | 1000 ml AMD + 40 ml GM Paddle Mix + 0.6 lpm Air |

Control samples 1,2,3 were used to evaluate AMD exposure to air without any addition or treatment.

Sample collected 7/26/12 at 1:00 pm and was found to be anerobic

The samples were started at 1:22pm 7/26/12 and visually inspected daily for 6-days.

All samples appeared to be clear without any sediment of Iron for 24 hrs. Second day the beakers 1,2,3 began to show signs of brown sediment of Iron. 4,5,6 were clear NO oxidation.

After 6-days of treatment it was observed that the Beakers 4,5,6 remained clear without any Iron oxidation. They contained the GM product.

➤ WILSON TESTING LABORATORIES, INC Acid Mine Drainage



RUSTECO & OVISKOREA

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Valley Detroit Diesel Allison

13644 E. Nelson Avenue, City of Industry, California 91746 (818) 333-1243 FAX (818) 369-7096

September 28, 1995

Mr. Michael H. Nahm
TMT Services Corp.
P.O. Box 11398
Torrance, CA 90510-1398

Dear Mr. Nahm:

Ref.: RUSTECO Industrial Cleaners

We have been using your GreaseMaster R-300-1 concentrate in our parts washers and are very satisfied with the performance of this Degreaser. The parts come out very clean, in fact both the Aluminum and Cast Iron cleaning process requires almost no after cleaning at all.

Our pressure washer gun also does a great job with your product and we can recommend RUSTECO to any automotive repair facility. We have tried your corrosion treatment as well and were impressed with the rust removal capabilities shown in that test.

We look forward to a continued use of these products, which have improved our parts cleaning process considerably.

Sincerely,
for VALLEY DETROIT DIESEL ALLISON

Peter A. Berube -
General Service Manager

DISTRIBUTORS FOR
DETROIT DIESEL CORPORATION AND THE ELECTRO MOTIVE AND
FLUID SYSTEMS CORPORATION

➤ Valley Detroit Diesel Allison Industrial Cleaning



RUSTECO & OVISKOREA

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RUSTECO and GreaseMaster biobased Cleaner
바이오 기반 세정제



RUSTECO LLC
1465 E Del Amo Blvd
Carson, CA 90746

Thank you for completing and submitting the USDA Declaration of Conformance form. We have confirmed the form has been properly completed. Your response indicates that your product **RUSTECO GreaseMaster Biobased Cleaner** continues to meet the requirements of USDA's BioPreferred program. You remain in good standing in the program, and your products will continue to be featured in the online catalog. If the biobased content of any of your products in the program change, or you no longer manufacture a product, please promptly notify the USDA.

Thank you again for your cooperation.

Kate Lewis
BioPreferred Deputy Program Manager

May 8, 2012

➤ USDA-Bio Preferred



VOLUNTARY LABELING INITIATIVE

Through the Voluntary Labeling Initiative, companies may apply for certification to display the USDA Certified Biobased Product label on a product that states its third-party tested and verified biobased content. The purpose of this label is to make it easy for consumers to locate and compare biobased products for purchase. By choosing a biobased product labeled, USDA Certified Biobased Product, the consumer can be assured that the USDA and the federal government stand behind the accuracy of the percent of biobased ingredients as stated on the label. The USDA has established minimum biobased content standards for many product categories. A product must meet or exceed the minimum biobased content percentage in its given category in order to qualify for certification. Products belonging in categories for which minimum biobased content requirements have not yet been established must contain at least 25% biobased content.

What is a biobased product?

Biobased products are derived from plants and other renewable agricultural, marine, and forestry materials. These products provide an alternative to conventional petroleum derived products and include a diverse range of offerings such as lubricants, detergents, inks, fertilizers, and bioplastics. For the purposes of the BioPreferred program, biobased products do not include food, animal feed or biofuels.

WHY BUY CERTIFIED PRODUCTS?

The Voluntary Labeling Initiative is designed to empower individuals to consider the verified amount of biobased content in a product. This content is included on the certified product's label.

Companies with a biobased product may apply for certification. The USDA evaluates each application to determine if the product meets the initial certification criteria and a third-party tests a sample of the product to determine its biobased content. Certified products, including packaging, are allowed to display the USDA Certified Biobased Product label which identifies the percent biobased content in the product.

<https://www.biopREFERRED.gov/BioPreferred/>

WHAT IS BIOPREFERRED?

About the BioPreferred® Program

Managed by the U.S. Department of Agriculture (USDA), the goal of the BioPreferred program is to increase the purchase and use of biobased products. The BioPreferred program was created by the [2002 Farm Bill](#) and reauthorized and expanded as part of the Agricultural Act of 2014 (the 2014 Farm Bill). The program's purpose is to spur economic development, create new jobs and provide new markets for farm commodities. The increased development, purchase, and use of biobased products reduces our nation's reliance on petroleum, increases the use of renewable agricultural resources, and contributes to reducing adverse environmental and health impacts. Managed by the U.S. Department of Agriculture (USDA), the goal of the BioPreferred program is to increase the purchase and use of biobased products. The BioPreferred program was created by the 2002 Farm Bill and reauthorized and expanded as part of the [Agricultural Act of 2014](#) (the 2014 Farm Bill). The program's purpose is to spur economic development, create new jobs and provide new markets for farm commodities. The increased development, purchase, and use of biobased products reduces our nation's reliance on petroleum, increases the use of renewable agricultural resources, and contributes to reducing adverse environmental and health impacts.

The two major parts of the program are:

mandatory purchasing requirements for federal agencies and their contractors; and,
a voluntary labeling initiative for biobased products.

While the BioPreferred program does not provide financial support for its participants, USDA's Rural Development agency offers loan and grant programs that may be applicable. For more information, please click [here](#).

About Mandatory Federal Purchasing

Federal law, the Federal Acquisition Regulation, and Presidential Executive Orders direct that all federal agencies purchase biobased products in categories identified by the Department of Agriculture (USDA). To date, USDA has identified [97 categories](#) (e.g. cleaners, carpet, lubricants, paints) of biobased products for which agencies and their contractors have purchasing requirements. Each mandatory purchasing category specifies the minimum biobased content for products within the category. The BioPreferred program provides acquisition tools, the BioPreferred Catalog and training resources to assist in meeting biobased purchasing requirements. Federal law, the Federal Acquisition Regulation, and Presidential Executive Orders direct that all federal agencies purchase biobased products in categories identified by the Department of Agriculture (USDA). To date, USDA has identified 97 categories (e.g. cleaners, carpet, lubricants, paints) of biobased products for which agencies and their contractors have purchasing requirements. Each mandatory purchasing category specifies the minimum biobased content for products within the category. The BioPreferred program provides [acquisition tools](#), the BioPreferred Catalog and training resources to assist in meeting biobased purchasing requirements. Federal law, the Federal Acquisition Regulation, and Presidential Executive Orders direct that all federal agencies purchase biobased products in categories identified by the Department of Agriculture (USDA). To date, USDA has identified 97 categories (e.g. cleaners, carpet, lubricants, paints) of biobased products for which agencies and their contractors have purchasing requirements. Each mandatory purchasing category specifies the minimum biobased content for products within the category. The BioPreferred program provides acquisition tools, the [BioPreferred Catalog](#) and training resources to assist in meeting biobased purchasing requirements. Federal law, the Federal Acquisition Regulation, and Presidential Executive Orders direct that all federal agencies purchase biobased products in categories identified by the Department of Agriculture (USDA). To date, USDA has identified 97 categories (e.g. cleaners, carpet, lubricants, paints) of biobased products for which agencies and their contractors have purchasing requirements. Each mandatory purchasing category specifies the minimum biobased content for products within the category. The BioPreferred program provides acquisition tools, the BioPreferred Catalog and [training resources](#) to assist in meeting biobased purchasing requirements.




➤ USDA-Bio Preferred

FIND CERTIFIED PRODUCTS


As of October 2014, approximately 2,100 biobased products in more than 187 product categories have received certification to display the USDA Certified Biobased Product label. Certified products include construction, cleaning, automotive, lubricants, and personal care products that consumers use every day. To locate USDA Certified Biobased Products, try one of the options listed below.


1. Find certified biobased products at your local retailer or service provider. The label should help in identifying certified products.
2. Search the USDA BioPreferred Catalog for information on biobased products available for purchase. This Catalog assists users in identifying certified products whose biobased content have been third-party tested and verified. Although you cannot purchase a product directly from this Catalog, sourcing information such as product detail and the company website are provided. This symbol in the Catalog indicates that the product has been USDA certified.
3. Request that your local retailer or service provider carry and/or use USDA Certified Biobased Products. For example, ask your automotive service provider to offer certified biobased motor oil and lubricant selections.



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BROWSE BY CATEGORY

- Baby And Kids
- Custodial Services
- Films and Packaging
- Food Services/Cafeteria
- Grounds Maintenance
- Household Supplies
- Intermediates
- Minor Construction
- Miscellaneous
- Office Supplies
- Operations and Maintenance
- Personal Care and Toiletries
- Safety Equipment
- Vehicle and Equipment Maintenance

SEARCH RESULTS

Catalog Home : 6 results for RUSTECO


☐ USDA Certified Biobased ☐ Mandatory Federal Purchasing 

| | Product ↕ | Company ↕ | ✓ |
|---|--|-------------|--------------------------|
|  FP | RUSTECO Corrosion Treatment R-200-3 (Liquid) | RUSTECO LLC | <input type="checkbox"/> |
|  FP | RUSTECO Corrosion Treatment R-200-G (Gel) | RUSTECO LLC | <input type="checkbox"/> |
|  FP | RUSTECO Glass Cleaner | RUSTECO LLC | <input type="checkbox"/> |
|  FP | RUSTECO GreaseMaster | RUSTECO LLC | <input type="checkbox"/> |
|  FP | RUSTECO Industrial Cleaner | RUSTECO LLC | <input type="checkbox"/> |
|  FP | RUSTECO Tank Cleaner | RUSTECO LLC | <input type="checkbox"/> |

Mandatory Federal Purchasing Initiative
(~12,400 "FP"-only products)

FP

Both Certified and FP
(~1,700 products)



Voluntary Labeling Initiative
(~900 Certified-only products)



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Selected Product

RUSTECO CORROSION TREATMENT R-200-3 (LIQUID)

Product

Company

Product Name

RUSTECO Corrosion Treatment R-200-3 (Liquid)

Company Name

RUSTECO LLC

Product Website

<http://www.rusteco.com>

Product Description

Liquid Blue-RUSTECO is the most effective rust removal and corrosion treatment for both ferrous and non ferrous metals available. It also conditions the metal surface for painting, welding, electroplating, epoxy coating and powder coating, all in one step.

Product Categories

[53%] - Corrosion Preventatives

Found in Catalog

[Operations and Maintenance](#) > [Corrosion Preventatives](#)

Biobased Content

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Certified 98%

Product Application

For dipping and pickling applications. Small to very large parts can be immersed in the bath to effectively remove all rust regardless of severity.

Unique Feature

"High Quality Product, A superior alternative to media blasting, acid wash, caustic, phosphate treatment and other rust inhibitors, Provides a high adhesion surface conducive for top coating, Long term corrosion protection, and Works at ambient temperatures"

Industry Standards

NSF H1



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Selected Product

RUSTECO CORROSION TREATMENT R-200-G (GEL)

Product

Company



Product Name

RUSTECO Corrosion Treatment R-200-G (Gel)

Company Name

RUSTECO LLC

Product Description

Gel Blue-RUSTECO is the most effective rust removal and corrosion treatment for both ferrous and non ferrous metals available. It also conditions the metal surface for painting, welding, electroplating, epoxy coating and powder coating, all in one step.

Product Categories

[53%] - Corrosion Preventatives
[71%] - Metal Cleaners and Corrosion Removers - Corrosion Removers

Found in Catalog

[Operations and Maintenance > Corrosion Preventatives](#)
[Custodial Services > Metal Cleaners and Corrosion Removers](#)
[Operations and Maintenance > Metal Cleaners and Corrosion Removers](#)

Biobased Content

Certified 98%

Product Application

Primarily the same formulation as the liquid except for the addition of Xanthan Gum to create a thick viscosity which would allow it to be applied by sprayers, brushes, and rollers on vertical surfaces

Unique Feature

High Quality Product, A superior alternative to media blasting, acid wash, caustic, phosphate treatment and other rust inhibitors. Provides a high adhesion surface conducive for top coating, Long term corrosion protection, and Works at ambient temperatures

Industry Standards

NSF H1



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Selected Product

RUSTECO GREASEMASTER

| Product | Company |
|---------------------|--|
| |  FP |
| Product Name | RUSTECO GreaseMaster |
| Company Name | RUSTECO LLC |
| Product Website | http://www.rusteco.com |
| Product Description | Designed for cleaning heavy oil and grease contamination. |
| Product Categories | [41%] - Industrial Cleaners |
| Found in Catalog | Operations and Maintenance > Industrial Cleaners |
| Biobased Content | Certified 98% |
| Product Application | Can be safely used inside large tanks such as ballast tanks on ships or oil storage tanks. Is highly suitable to clean grey water tanks on cruise ships. |
| Unique Feature | This product acts as de-emulsifier and, therefore, can remove the most difficult contamination caused by animal, vegetable or mineral fats. |



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Selected Product ✕

RUSTECO INDUSTRIAL CLEANER

Product

Company

Product Website

<http://www.rusteco.com>

Product Description

Works on all surfaces without any deleterious effect on any metal, glass, fabrics . Does not cause skin irritation and has no effect on paint, rubber and preps the surface for coating. It acts as a de-emulsifier and separates oil/grease from any surface, solid or liquid. Has no disposal restrictions nor does it cause any air pollution.

Product Categories

[56%] - Multipurpose Cleaners
[34%] - Graffiti and Grease Removers
[41%] - Industrial Cleaners

Found in Catalog

[Custodial Services > Cleaning Supplies > Multipurpose Cleaners](#)
[Household Supplies > Cleaning Supplies > Multipurpose Cleaners](#)
[Grounds Maintenance > Graffiti, Grease, and Paint Removers](#)
[Operations and Maintenance > Graffiti, Grease, and Paint Removers](#)
[Operations and Maintenance > Industrial Cleaners](#)

Biobased Content

Certified 98%

Product Application

Can be used with any kind of spraying equipment, floor cleaning machines, direct injection on pressure washers or simply in manual applications, such as floor mops, with scouring pads or shop rags.

Unique Feature

Is truly an all-purpose cleaner that works equally well on all surfaces, including carpets, glass and kitchen appliances as well as heavy industrial grease/oil contamination. Is being mandated for use with the U.S. Navy for the SLEP (Service Life Extension) Program in refurbishing onshore/offshore tanks, cranes and other equipment.

Industry Standards

NSF H1



United States Department of Agriculture

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Selected Product

RUSTECO TANK CLEANER

Product

Company

Company Name

RUSTECO LLC

Product Website

<http://www.rusteco.com>

Product Description

A non-hazardous tank cleaner that does not etch metal, is safe on your skin and removes all rust from the inside of car or motorcycle tanks. Is equally safe on ferrous and non-ferrous metals. Does not affect painted surfaces.

Product Categories

[56%] - Metal Cleaners and Corrosion Removers - Other Metal Cleaners
[75%] - Automotive Care Products
[53%] - Corrosion Preventatives

Found in Catalog

[Custodial Services > Metal Cleaners and Corrosion Removers](#)
[Operations and Maintenance > Metal Cleaners and Corrosion Removers](#)
[Vehicle and Equipment Maintenance > Automotive Care Products](#)
[Operations and Maintenance > Corrosion Preventatives](#)

Biobased Content

Certified 98%

Product Application

Is used to rehabilitate the inside of rusty gas tanks for cars and motorcycles as well as fuel tanks, cargo tanks and ballast tanks on ships or oil rigs. Provides corrosion protection.

Unique Feature

Has the unique ability to remove rust as well as oil/grease from any surface and preps metal surfaces for coating. Has no disposal restrictions and eliminates sand blasting or other hazardous working conditions.

Industry Standards

GS-37
GS-34

RUSTECO & OVISKOREA

Bio J M I Tec / Oviskorea

감사합니다
Thank You

www.rusteco.com

www.oviskorea.com

자연친화형 BIO세척제 친환경 제품만 만들겠습니다

KOREA J M I TEC

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