



DE-OIL-IT

Kick the Slick Out of it!

DE-OIL-IT

- ✧ Breaks down and detoxifies all types of petroleum waste this “breaking down” process is known as DEGRADING
- ✧ Replaces the need to further manage treated oil and fuel spills as hazmat, the result is not harmful to environment
- ✧ Eliminates petroleum spills on water, beaches, marshes and soil down to 100 feet.
- ✧ Eliminates the flashpoint reducing risk of fire and at the same time eliminates toxic / nauseous fumes
- ✧ Does NOT hurt the environment. Non Toxic, non microbial, no enzymes or nutrients. Safe to use

Application of DE-OIL-IT

The application of DE- OIL - IT does not require specialized equipment.

Treatment begins by wetting down the contaminated area with water.

After wetting the area apply DE-OIL-IT solution.

After 2 - 3 days wet down the area again.



Water activates
DE-OIL-IT.

DE-OIL-IT

Before



After

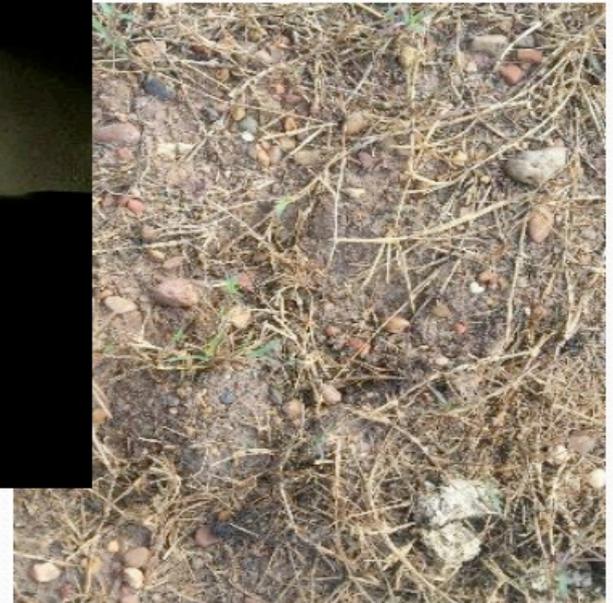




New grass began growing on the contaminated area two weeks after treatment with DE-OIL-IT.



Cattle no longer avoid the contaminated area.





Cleaning Pipeline PIGS

DE-OIL-IT

Water Based

No Flash Point

Non - Flammable

No Enzymes

No Microbes

Non - Detergent

Non - Phosphate

Non - Toxic

Non - Corrosive

Harmless to Plant Life

Safe for Animals

Safe for Aquatic Life

Harmless to the Water Column

DE-OIL-IT treats:

- ∞ Fuel and Oils - gas, diesel, aviation, hydraulic, etc.
- ∞ Benzenes, Xylene, Toluene
- ∞ Glycols and Parafin
- ∞ Trichloroethylene (TCE)
- ∞ Polycyclic Aromatic Hydrocarbon (PAH)
- ∞ Polychlorinated Biphenyls (PCB)
- ∞ Polychlorinated Biphenyls (PCB)

Also

- ∞ Lab and InSitu tested Prudhome Bay and Louisiana Crude
- ∞ Submitted to EPA for inclusion National Contingency Plan ("NCP list")

Note: De-Oil-It is an exclusive private label of EcoSpersa

De-Oil-It is a **DEGRADER.**

Degreasers mainly move oil and fuel during the cleaning efforts, you still have a hazmat management problem. De-Oil-It by contrast breaks down hydrocarbon chains up to C40 in a process referred as degrading, that is, severing the hydrocarbon chain down to simpler less complex molecular structure and "capping the ends" thereby detoxifying and providing the means for natural occurring bacteria to complete the degrading process, no hazmat needs remain..

DE-OIL-IT

- ✓ Quickly begins to degrade fuel and oil spills on contact
- ✓ Instantly begins the biodegrading/remediation process
- ✓ Spray on to hot or running engines (no flash point)
- ✓ Quickly degrades fuel/oil spills on land, water, surfaces
- ✓ Reduces or eliminates explosive vapors at their source
- ✓ Removes fuel & exhaust stains from hulls and stacks
- ✓ Economical concentrate dilutable up to 10:1 with water
- ✓ No costly cleanup · disposal of contaminated sorbents
- ✓ Meets and or exceeds Clean Marina criteria
- ✓ Safely cleans grease traps, catch basins and drains
- ✓ Cleans scuff marks, wine, bird stains from decks
- ✓ Cleans test tanks, replaces harmful detergents
- ✓ Cleans degrades bilge oil/fuel for safe pump -out
- ✓ Reduces risk of heavy fines for oily discharges
- ✓ Cleans/degreases engines & parts, water cleanup
- ✓ No harmful runoff from boat washing & test -tanks
- ✓ Cleans teak with no harmful acids to leak out its natural oils



DE- OIL - IT



So, if you want to keep the land and water clean...If you want to be as eco - friendly as possible then you will want to make sure you have DE- OIL - IT on hand at all times.

DE - OIL - IT's combination of superior cleaning performance, environmental friendliness, cost savings and safety to businesses clearly sets it apart from degreasers, detergents, and other kinds of harsh chemicals..





McFaddin Central Tank Battery Case Study - 2016

Note : this study as originally conducted by Cypress Remediation, no longer an authorized De-Oil-It distributor, and OMG Solutions in conjunction with Cypress Remediation. GreenWorld Innovations has retained the rights to this case study under our distribution contract..

McFaddin Central Tank Battery Case Study

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

Form H-8
(EE 6/9/0)

CRUDE OIL, GASWELL LIQUIDS, OR ASSOCIATED PRODUCTS LOSS REPORT

1. Field Name (as per current proration schedule, including reservoir, if applicable) McFaddin (4440) ID 303432		2. RRC District 2	
3. Company Taos Resources		4. County Victoria	
5. Lease Name(s) and RCC Lease Number(s) (if applicable) McFaddin / Lease 303432			
6. Location where Liquid Hydrocarbon (crude oil, gas well liquids, or associated products) Loss occurred (Section, Block, & Survey) Survey - CMB Hoyt; Abstract A-1/9			
7. Description of Facility from which Liquid Hydrocarbon Loss Occurred McFaddin Central Facility			
8. Name of Landowner where Liquid Hydrocarbon Loss Occurred Margarete Lowery		9. Type of Liquid Hydrocarbon Loss <input checked="" type="checkbox"/> Crude Oil <input checked="" type="checkbox"/> water	
10. Date Liquid Hydrocarbon Loss Occurred April 11, 2016		11. Date Liquid Hydrocarbon Loss Reported to RRC District Office by Telephone or Telegraph May 12, 2016	
12. Total Barrels of Liquid Hydrocarbon Lost in Leak or Spill 20		13. Total Barrels of Liquid Hydrocarbon Recovered 10	14. Barrels of Liquid Hydrocarbon Unrecovered (Net Loss) 10
15. Did Liquid Hydrocarbon Loss Affect Inland or Coastal Water? (If yes, explain) No			
16. Cause of Liquid Hydrocarbon Loss (Explain) (If additional space is required, attach page(s).) On April 11th a water tank inside the facility overflowed when a SWD pump shutdown during the evening. The callout system was serviced on April 10th but failed to notify our pumper of the high level issue. Our pumper received a "false clear" notification and decided to investigate and the issue was discovered at 2 AM. The timing was unfortunate because we were in the process of upgrading berms around the facility with new material. An estimate of 10 bbls of oil was released. The oil migrated down a ditch approximately 400' on top of standing rain water and ultimately pooled in a low spot. A vacuum truck was used to pick up the standing fluid and transferred back into the facility. Residual oil was absorbed with "Gator" powder.			
17. Remedial Measures Taken and How Successful (Explain.) The impacted area was dressed with a backhoe.			
18. Remarks The landowner was notified of the incident.			
I declare under penalties prescribed in Article 6034c, R. C. S. that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.			
Date May 13, 2016		Signature	
Company Taos Resources		Name of Person (type or Print) Logan Magruder	
Street Address or P.O. Box 1455 West Loop South, Suite 600 Houston, TX 77027		Title of Person CEO 713-993-0774	
City, State	Zip Code	Area Code	Number

- Date of incident – April 11, 2016
- Form H8 submitted to the RRC
- Sample areas 6 and 10 were treated twice with positive results
- Area 6 Second Treatment results went from 10,000 PPM to 760 PPM
- Area 10 went from 11,000 PPM to 7,500 PPM
- Total PPM of Entire Area now 2000 PPM below State Regulation (10,000 PPM)
- Final sample results will be submitted to the RRC

McFaddin Reclamation – Pretreatment Samples

T.S.I. LABORATORIES, INC.
TBPE Firm Registration No: F-9236
1810 SOUTH LAURENT
VICTORIA, TEXAS
(361) 578-6933

GENERAL REPORT

PROJECT: McFaddin CTB Clean-up

FILE NO.: T-61
LAB REPORT NO.: T-65782
SAMPLE DATE: 6/22/16
REPORT DATE: 6/23/16
SAMPLED BY: S.Tomko
SAMPLE NO:

CLIENT: Taos
1455 W. Loop, Suite 600
Houston, Texas 77027

CONTRACTOR: Reported to site to obtain samples to test for Hydrocarbons. 12 samples were taken from locations in affected area. Samples 1-6 were taken from the South side of the fence starting from the East end near Tanks. Samples 6-10 were taken on the North side of the fence starting from the East end near Tanks. Samples 11-12 were identical surface samples, sample 12 had an additive put in to see the how it would react with the hydrocarbons in the sample.

Samples were put into glass jars in an ice filled cooler and then delivered to B-Environmental for analysis. The results of the samples taken are attached

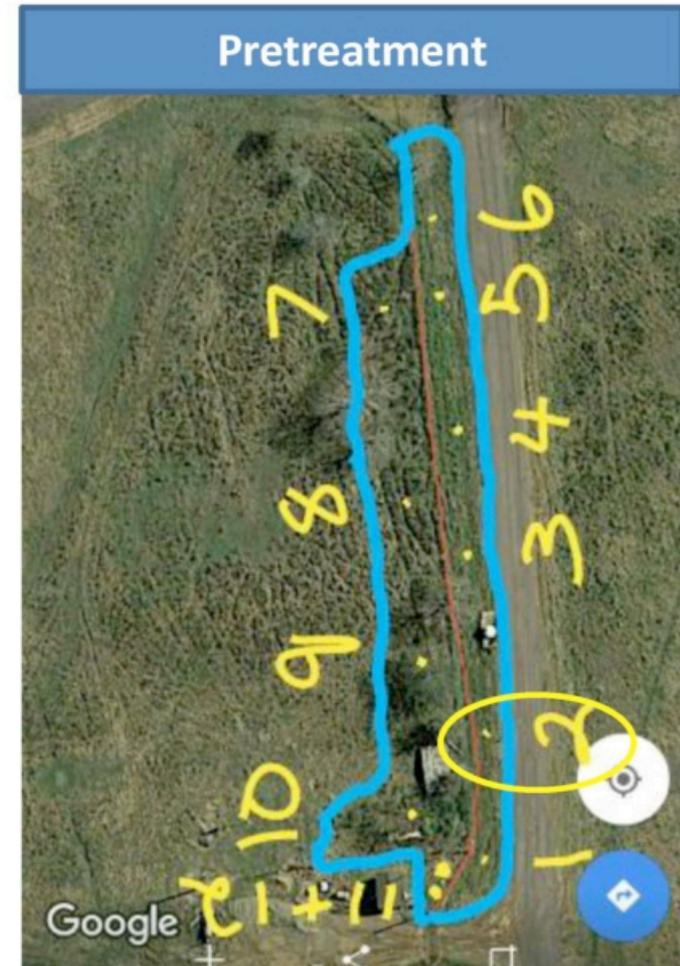
Sampling was witnessed by Randy Cook with Taos.

REMARKS:

COPIES:

T.S.I. LABORATORIES

BY: *Scott Tomko*
Scott Tomko, Project Manager



McFaddin Reclamation – Post Treatment Samples

T.S.I. LABORATORIES, INC.
TBPE Firm Registration No: F-9236
1810 SOUTH LAURENT
VICTORIA, TEXAS
(361) 578-6933

GENERAL REPORT

PROJECT: McFaddin CTB Clean-up

FILE NO.: T-6105-16
LAB REPORT NO.: T-66199
SAMPLE DATE: 7/21/16
REPORT DATE: 7/29/16
SAMPLED BY: BR/PA
SAMPLE NO:

CLIENT: Toas
1455 W. Loop, Suite 600
Houston, Texas 77027

CONTRACTOR:

Reported to site to obtain samples to test for Hydrocarbons. 12 samples were taken from locations in affected area. Samples 1-6 were taken from the North side of the fence starting from the East end near Tanks. Samples 6-12 were taken on the South side of the fence starting from the East end near Tanks.

Samples were put into glass jars in an ice filled cooler and then delivered to B-Environmental for analysis. The results of the samples taken are attached.

REMARKS:

COPIES:

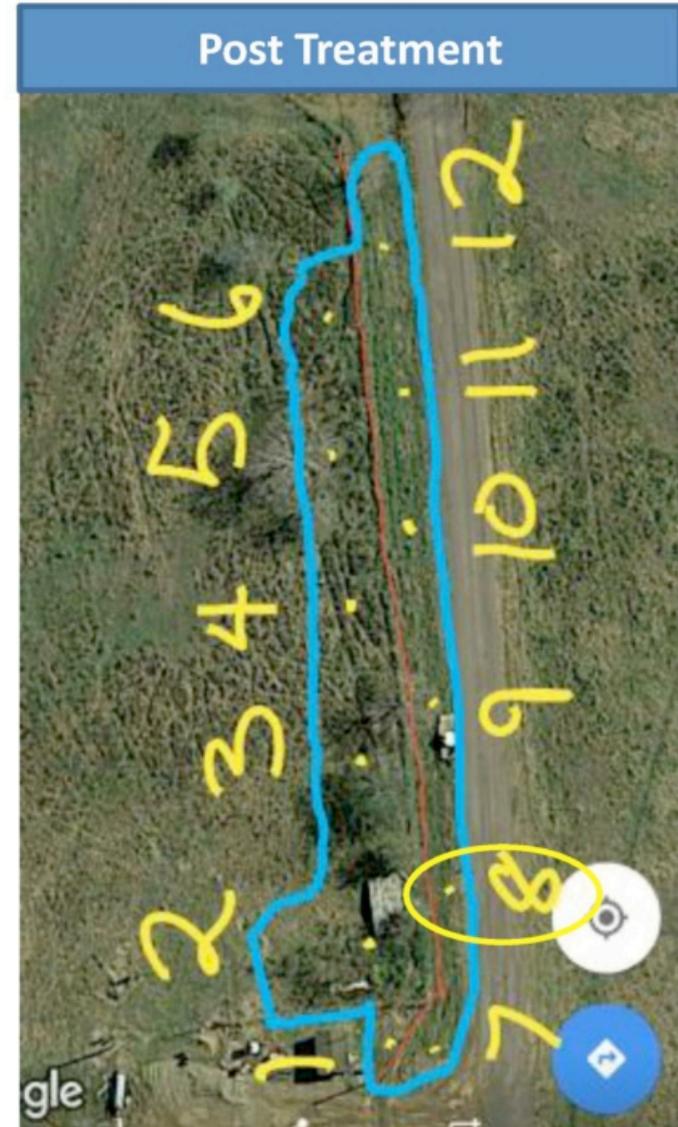
T.S.I. LABORATORIES

BY:

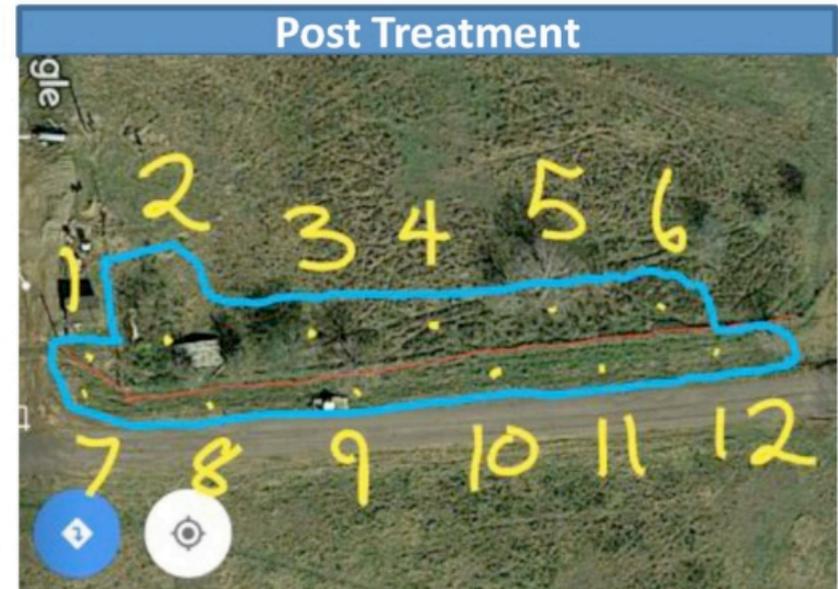
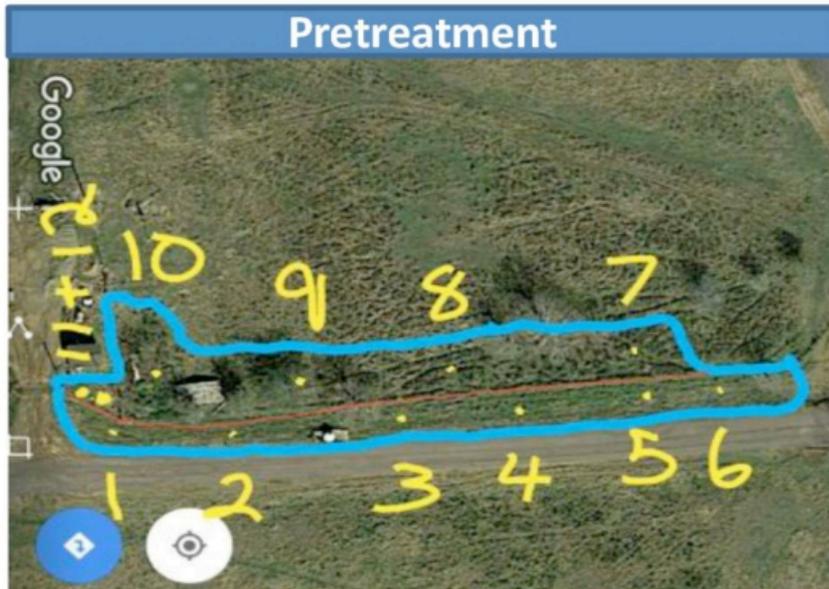
Scott Tomko

Scott Tomko, Project Manager

Rev. 10/18/10



McFaddin Reclamation – Treatment Samples



- Samples 1-10 were 3"-6" bores and each sample were below the 10,000 ppm C6-C35 hydrocarbons (HC) threshold and no treatment was required below surface
- Sample 11 was a surface sample with 17,000 ppm HC
- Sample 12 was a twin to 11 and used to pilot the De-Oil-It product, which went from 17,000 PPM to 7,000 PPM within 24 hours
- Decided to proceed using DE-OIL-IT to clean surface Area

- Sample 1-12 were surface samples
- All surface samples with the exception of 6 and 10 were determined to be less than 10,000 ppm
- Sample 6 post treatment analysis was 10,000 ppm HC and retreated.
- Sample 10 post treatment was 11,000 ppm HC and retreated.
- After second treatment, sample 6 and 10 results came back well under State Regulations.

NOTE: The numbering system for the two tests are NOT consistent, therefore test samples must be cross referenced by actual geographic location. The area designated by 11 and 12 in the Pretreatment correspond to the area designated 1 in the Post Treatment

Sample 11 and 1

Pre-treatment

Sample ID: S161741637	Client ID: 11 Surface	Sampler: Client
------------------------------	------------------------------	------------------------

Client: TSI Laboratories
 Study: Soils
 Project: McFaddin CTB Clean-Up
 Location: TSI
 Notes:

Batch No: 43155
 Sampled: 6/22/2016 2:50 PM
 Type: Grab
 Matrix: Soil

Case Narrative:

Analyte	Result	Units	Method	Analyst	Date/Time Analyzed	LOQ	MDL	DF	Qual	S/Out	Laboratory
TPH-S. nC6-nC12	1923	mg/Kg-dr	TX 1005	A Schneider	6/23/2016 10:00	20	8.98		<input type="checkbox"/>	B- E Cert. # T104704328-16-12	
TPH-S. >nC12-nC28	11288	mg/Kg-dr	TX 1005	A Schneider	6/23/2016 10:00	20	9.37		<input type="checkbox"/>	B- E Cert. # T104704328-16-12	
TPH-S. >nC28-nC35	9510	mg/Kg-dr	TX 1005	A Schneider	6/23/2016 10:00	20			<input type="checkbox"/>	B- E Cert. # T104704328-16-12	
TPH-S. Total nC6-nC35	17000	mg/Kg-dr	TX 1005	A Schneider	6/23/2016 10:00	20	18.14		<input type="checkbox"/>	B- E Cert. # T104704328-16-12	
TPH-Surr. 1-Chlorooctad	85	%	TX 1005	A Schneider	6/23/2016 10:00	70	130		<input type="checkbox"/>	B- E Cert. # T104704328-16-12	

Post-treatment

Sample ID: S162031304	Client ID: 1	Sampler: Client
------------------------------	---------------------	------------------------

Client: TSI Laboratories
 Study: Soils
 Project: Taos
 Location: TSI
 Notes:

Batch No: 44243
 Sampled: 7/21/2016 10:30 AM
 Type: Grab
 Matrix: Soil

Case Narrative:

Analyte	Result	Units	Method	Analyst	Date/Time Analyzed	LOQ	MDL	DF	Qual	S/Out	Laboratory
TPH-S. nC6-nC12	177	mg/Kg-dr	TX 1005	A Schneider	7/27/2016 22:10	20	8.98		<input type="checkbox"/>	B- E Cert. # T104704328-16-12	
TPH-S. >nC12-nC28	6758	mg/Kg-dr	TX 1005	A Schneider	7/27/2016 22:10	20	9.37		<input type="checkbox"/>	B- E Cert. # T104704328-16-12	
TPH-S. >nC28-nC35	2093	mg/Kg-dr	TX 1005	A Schneider	7/27/2016 22:10	20			<input type="checkbox"/>	B- E Cert. # T104704328-16-12	
TPH-S. Total nC6-nC35	8000	mg/Kg-dr	TX 1005	A Schneider	7/27/2016 22:10	20	18.14		<input type="checkbox"/>	B- E Cert. # T104704328-16-12	

NOTE: The numbering system for the two tests are NOT consistent, therefore test samples must be cross referenced by actual geographic location. The area designated by 11 and 12 in the Pretreatment correspond to the area designated 1 in the Post Treatment

**Material Safety Data Sheet****1. Product and Company Identification**Effective Date: 08/16/2011
Revision: 00**DE-OIL-IT INDUSTRIAL GRADE CONCENTRATE**Principal Use: Cleans grease, fuel, or oil stains
Description: LiquidGreenworld Innovations, Valrico Florida
info@deoilit.com (407) 574-3898**2. Composition/Information on Ingredients**

<u>Ingredients:</u>	<u>%(w/w)</u>	<u>OSHA PEL</u>
Emulsifier	---	Not listed
Solvent	---	400 ppm
Cleaning agent	---	Not listed
Solubilizer	---	Not Listed
Water	---	Not listed

Ingredients not precisely identified are proprietary or non hazardous. Values are not product specifications.

3. Hazards Identification**Emergency Overview**Appearance: Clear LiquidPhysical Hazards: NoneHealth Hazards: None

* Hazard summary defined by OSHA Hazard Comm. Std., 29 CFR 1910.1200.

Potential Health Effects:General: This health hazard assessment based on information from commercial and scientific literature. Keep product away from children.Ingestion: Relative to other materials, this material is classified as "relatively non-toxic".Eye Contact: May cause irritation of eyes.Skin Contact: Non-irritating to skin.Skin Absorption: Not likely to be absorbed through skin.Inhalation: Inhalation of vapors or mists can cause headaches, nausea and irritation of nose, throat and lungs.**4. First Aid Measures:****Material Safety Data Sheet**First Aid - Eyes: Immediately flush eyes with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and treated by medical personnel.First Aid - Skin: Wash the material off the skin with soap and plenty of water. If redness, itching or a burning sensation develops, get medical attention.First Aid - Ingestion: Do not induce vomiting. Give 1 or 2 glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel. Never give anything by mouth to an unconscious person.First Aid - Inhalation: Remove victim to fresh air. If cough or other respiratory symptoms develop, consult medical personnel.**5. Fire Fighting Measures**Flashpoint and Method: Will not flashAutoignition Temperature: Not applicableExplosive Limits: Not applicableGeneral Hazards: Product is nonflammable.Fire Fighting Instructions: Use extinguishing media suitable for surrounding fire conditions.Fire Fighting Equipment: Self-contained breathing apparatus with full facepiece and protective clothing.Hazardous Combustion Products: None known.**6. Accidental Release Measures**Spill Measures: Soak up solution with paper towels. Throw in household garbage.**7. Handling and Storage**Handling: Avoid eye contact. Do not swallow solution.Storage: Store in a dry, well-ventilated area. Recommended storage temperatures are between 40 deg. F. (5 deg. C.) and 121 Deg. F. (60 deg. C.). Keep from freezing.**8. Exposure Controls/Personal Protection**Exposure Guidelines: No ACGIH TLV or OSHA PEL have been assigned to this product. Minimize exposure in accordance with good hygiene practices.Engineering Controls: Use ventilation adequate to maintain safe levels. Provide eyewash station and a safety shower in work area.Respiratory Protection: Normally not needed if controls are adequate.Protective Clothing: Clothing adequate to protect skin.Eye Protection: Normally not needed.**9. Chemical and Physical Properties**Appearance: Clear Liquid



Material Safety Data Sheet

Boiling Point: 212 deg. C. (100 deg. C.)
Vapor Pressure: No data
Vapor Density: No data
Solubility in Water: Soluble
pH: Neutral
Specif. Grav./Density: about 1.0
% Volatile: No data

10. Stability and Reactivity

Stability: Stable under normal conditions.
Incompatibility: None known
Hazardous Decomposition Products: None known
Hazardous Polymerization: Will not occur.

11. Toxicological Information

Possible Human Health Effects
Inhalation: Inhalation of mists may cause slight irritation of respiratory passages.
Skin Contact: Non-irritating to skin.
Eye Contact: May cause irritation of eyes.
Ingestion: Relative to other materials, this material is classified as "relatively non-toxic".
Other Effects of Overexposure: None known
Note to Physician: Not applicable

12. Ecological Information

Small quantities of this product will not harm aquatic organisms or wildlife if released into the environment.

13. Disposal Consideration

Disposal Method: Discarded product is not a hazardous waste under RCRA, 40 CFR 261.
Container Disposal: Empty container retains product residue. Observe all hazard precautions. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all product residue from container and puncture or otherwise destroy empty container before disposal.

14. Transport Information

DOT Hazard Description: Not regulated

15. Regulatory Information

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710
All ingredients are listed on the TSCA Chemical Substances Inventory.



Material Safety Data Sheet

CERCLA and SARA Regulations (40 CFR 355, 370, 372):

This product does not contain any chemicals subject to the reporting requirements under CERCLA.

California Proposition 65:

None

16. Other Information

This information is given in good faith.

HMIS and NFPA Ratings

Hazard:	HMIS Ratings:	NFPA Ratings:
Health:	1	1
Flammability:	0	0
Reactivity:	0	0

HMIS and NFPA Hazard Rating Codes:

0 - Least 1 - Slight 2 - Moderate 3 - High 4 - Severe