



OPTICUT® GPM

Version 1.2 Revision
Date 01/15/2013

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : OPTICUT® GPM
 MSDS Number : REL_76154

 Company : Lighthouse Lubricants
 P.O. Box 880545
 Boca Raton, FL 33488

 Telephone : 913-706-5194
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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Component	CAS-No.	Weight percent
Trade Secret Registry	735517-5084P	5.00 - 10.00
Triethanolamine	102-71-6	5.00 - 10.00
Trade Secret Registry	735517-5158P	1.00 - 5.00

Unidentified ingredients are considered not hazardous under Federal Hazard Communication Standard (29CFR 1910.1200).

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Form : liquid
 Color : dark blue
 Odor : none
 Hazard Summary : Irritating to eyes. May cause skin irritation. Also harmful by inhalation and if swallowed.

Route(s) of Entry	Inhalation	Skin	Ingestion
	yes	yes	yes

Carcinogenicity:

NTP No substance in this product is listed by NTP as a carcinogen
 IARC No substance in this product is listed by IARC as a carcinogen
 OSHA No substance in this product is regulated by OSHA as a carcinogen

SECTION 4. FIRST AID MEASURES

Inhalation : Remove person to fresh air. If signs/symptoms continue, get medical attention.



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- Skin contact : Flush skin with large amounts of water. If irritation develops and persists, get medical attention.
- Eye contact : Rinse immediately with plenty of water for at least 15 minutes. Keep eye wide open while rinsing. Seek medical advice.
- Ingestion : Rinse mouth. Drink plenty of water. Obtain medical attention.

SECTION 5. FIRE-FIGHTING MEASURES

- Flash point : Note: does not flash
- Lower explosion limit : Note: Not applicable.
- Upper explosion limit : Note: Not applicable.
- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : In the event of fire, cool tanks with water spray.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Ensure adequate ventilation.
Material can create slippery conditions.
- Methods for cleaning up : Ventilate area.
Clean up with inert absorbent material.
Keep in suitable, closed containers for disposal.
Flush with plenty of water.
- Additional advice : Never return spills in original containers for re-use.

SECTION 7. HANDLING AND STORAGE

- Handling**
Handling : Use only with adequate ventilation.
- Storage**
Requirements for storage areas and containers : Keep containers dry and tightly closed to avoid moisture absorption and contamination.
Store indoors in a cool, well-ventilated place.



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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Component	ACGIH TLV (TWA)	OSHA PEL (TWA)
Trade Secret Registry	NONE	NONE
Triethanolamine	5 mg/m3	NONE
Trade Secret Registry	NONE	NONE

- Eye protection : Safety glasses with side-shields
- Hand protection : Impervious gloves
- Skin and body protection : Rubber or plastic apron
- Respiratory protection : If the occupational exposure limits cannot be met, suitable respirator equipment shall be worn.
- Hygiene measures : Avoid contact with skin, eyes and clothing.
Wear suitable gloves and eye/face protection.
Wear suitable protective clothing.
Wash hands before breaks and immediately after handling the product.
Provide adequate ventilation.
Do not inhale fumes.
Keep away from food and drink.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- pH : 9.2 - 10.4
at 52.2 g/l
- Freezing point : Note: no data available
- Boiling point/boiling range : Note: no data available
- Vapour pressure : Note: no data available
- Bulk density : 8.71 lb/gal
- Water solubility : Note: completely soluble
- Partition coefficient:
noctanol/water : Note: no data available
- Relative density : 1.043
- Evaporation rate : Note: No data available

SECTION 10. STABILITY AND REACTIVITY

- Conditions to avoid : freezing
Direct sources of heat.
- Materials to avoid : Avoid contact with Nitrous Acid
Strong acids



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Hazardous decomposition products : Nitrogen Oxides
Carbon oxides
Boron oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity: : Mixture; Not Determined.
Acute oral toxicity
Triethanolamine : LD50, rat
Dose: 8,000 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Advice on Disposal : Refer to all federal, provincial, state and local regulation prior to disposition of container and unused contents by reuse, recycle or disposal.

SECTION 14. TRANSPORT INFORMATION

Refer to Bill of Lading.

SECTION 15. REGULATORY INFORMATION

TSCA Status : All components of this material comply with US TSCA requirements.
SARA 313 Components : NONE
CERCLA Reportable Quantity : NONE
California Prop. 65 : N.D



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NFPA : 200
HMIS : 200 C

SECTION 16. OTHER INFORMATION

Further information

Lighthouse Lubricants warrants that the products described herein will conform with its published specifications. The products supplied by Lighthouse Lubricants and information related to them are intended for use by buyers having necessary industrial skill and knowledge. Buyers should undertake sufficient verification and testing to determine the suitability of the Lighthouse Lubricants materials for their own particular purpose. Since buyer's conditions of use of products are beyond Lighthouse Lubricants' control, Lighthouse Lubricants does not warrant any recommendations and information for the use of such products.

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