



EMERGENCY NUMBERS: CHEMTREC (800) 424-9300
Monroe Fluid Technology (800) 828-6351
Website: <http://www.monroefluid.com>

36 Draffin Road,
Hilton, NY 14468
Phone: 800-828-6351 585-392-3434
Fax: 585-392-2691

Material Safety Data Sheet

Product Name: **ASTRO-SOL A-HP** Eff. Date: 01/28/11 Date Printed: 02/15/11 Page: 1

HMIS Rating:

Health: 1 Flammability: 0 Reactivity: 0 Personal Protection: B

1) INGREDIENTS: (% wt., unless otherwise noted)

CHEMICAL NAME	CAS #	%
Heavy Naphthenic, severely hydrotreated chemically neutralized oil	64742-52-5	50 -70
Triethanolamine	102-71-6	1-5

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other substances not "Hazardous" per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

2) PHYSICAL DATA:

Boiling Point: 215° F.
Vapor Pressure: <1
Vapor Density: <1
Solubility In Water: Complete
pH: @ 5% in water: 9.2 ± 0.3
Sp. Gravity: 0.97 ± 0.01
Appearance: Amber liquid
Odor: Bland

3) FIRE AND EXPLOSION HAZARD DATA:

Flash Point: 355 °F
Method Used: COC

FLAMMABLE LIMITS:

LFL: Not determined
UFL: Not determined

EXTINGUISHING MEDIA: Foam or dry chemical

FIRE & EXPLOSION HAZARDS: Intense heat may cause unopened drums to rupture. Cool fire-exposed surfaces with water.

FIRE-FIGHTING EQUIPMENT: Use NIOSH-approved self-contained breathing apparatus.

4) REACTIVITY DATA:

STABILITY: (conditions to avoid) Stable under normal storage and use conditions

INCOMPATIBILITY: (specific materials to avoid) Strong acids or bases

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon

HAZARDOUS POLYMERIZATION: Will not occur



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5) ENVIRONMENTAL AND DISPOSAL INFORMATION:

ACTION TO TAKE FOR SPILLS/LEAKS: Contain spill, collect onto inert absorbent. Do not flush into drain or sewers. Place in a DOT approved container for disposal.

DISPOSAL METHOD: Dispose of according to federal, state and local regulations.

6) HEALTH HAZARD DATA:

EYE: Contact may cause irritation.

SKIN CONTACT: Prolonged or repeated contact may cause drying and defatting of the skin, leading to irritation.

SKIN ABSORPTION: Not likely to occur

INGESTION: Small amounts ingested incidental to normal handling are not likely to cause injury; Larger amounts ingested may cause injury.

INHALATION: Inhalation of vapors or mist may be irritating to respiratory passages.

SYSTEMIC (other target organ) EFFECTS: None known

TERATOLOGY (birth defects): No adverse effects expected

REPRODUCTIVE EFFECTS: No adverse effects expected

MUTAGENICITY (effects on genetic material): No adverse effects expected

CARCINOGENICITY: IARC: NO NTP: NO OSHA: NO

7) FIRST AID:

EYES: Flush with large amounts of water.

SKIN: Wash off with soap in flowing water or shower.

INGESTION: Consult a physician.

INHALATION: Remove to fresh air. If symptoms persist, consult a physician.

NOTE TO PHYSICIAN: Treatment of overexposure should be directed toward the control of symptoms and the clinical condition.

8) HANDLING PRECAUTIONS :

EXPOSURE GUIDELINE:

Triethanolamine: ACGIH TLV: 5 mg/m³

Heavy Naphthenic, severely hydrotreated chemically neutralized oil (as mist) OSHA PEL: 5 mg/m³

VENTILATION: General room ventilation should be satisfactory. Local exhaust ventilation may be necessary if misting is generated.

RESPIRATORY PROTECTION: None normally required. If mist is in excess of 5 mg/m³, use NIOSH-approved respirator.

SKIN PROTECTION: Oil-resistant gloves for prolonged or repeated contact

EYE PROTECTION: Safety glasses

9) ADDITIONAL INFORMATION:



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SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Product contains Amines. Sodium Nitrite or other nitrosating agents should not be added to this product. This step will prevent the formation of nitrosamines which are known to be animal carcinogens. Launder contaminated clothes before reuse. Avoid prolonged breathing of mist and vapors. Use as directed. Normal precautions common to good manufacturing practices should be followed in handling and storing. Store away from food. Wash hands before eating, drinking or smoking and after handling.

REGULATORY INFORMATION: (Not meant to be all-inclusive--selected regulations represented).

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws and regulations. See MSD Sheet for health and safety information.

TOXIC SUBSTANCES CONTROL ACT (TSCA):

The components of this product are listed on the TSCA inventory.

This product contains the toxic chemical or chemicals listed below, which are subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act of 1986 ("SARA") and the requirements of 40 CFR part 372. None

This notice must not be detached from the foregoing MSDS. If the MSDS is copied for any reason, including distribution, this notice must also be copied and accompany all redistributed MSDS'. Failure to do so may subject you to penalties under law. This product contains the following ingredient(s) which are regulated under the Clean Air Act Section 112 hazardous air pollutants and is subject to all reporting requirements of CERCLA (Superfund). None

10) TRANSPORTATION INFORMATION:

PROPER SHIPPING NAME: Non-regulated

DOT HAZARD CLASS: Non-regulated