

Website: <http://www.monroefluid.com>

## Material Safety Data Sheet

Product Name: **ASTRO-CUT SYN**      Effective Date: 02/11/02      Date Printed: 03/25/02      Page: 1

### NFPA Rating:

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

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

CHEMICAL NAME	CAS #	%
Alkanolamine	141-43-5	1-5
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:	212° F.
Vapor Pressure:	As water
Vapor Density:	As water
Solubility In Water:	Complete
pH @ 20:1:	9.5 ± 0.3
Sp. Gravity: @ 60° F.	1.03 ± 0.01
Appearance:	Blue Liquid, Slight Haze
Odor:	Sweet odor

### 3) FIRE AND EXPLOSION HAZARD DATA:

Flash Point:	None
Method Used:	PMCC

#### FLAMMABLE LIMITS:

LFL:	None
UFL:	None

EXTINGUISHING MEDIA: Product will not burn.

FIRE & EXPLOSION HAZARDS: Cool fire-exposed containers 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 oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: None known

HAZARDOUS POLYMERIZATION: Will not occur

Website: <http://www.monroefluid.com>

## Material Safety Data Sheet

Product Name: **ASTRO-CUT SYN**      Effective Date: 02/11/02      Date Printed: 03/25/02      Page: 2

### 5) ENVIRONMENTAL AND DISPOSAL INFORMATION:

**ACTION TO TAKE FOR SPILLS/LEAKS:** Use wet/dry vacuum, squeegee or mop to pick up material. Flush residue down drain, mop dry.

**DISPOSAL METHOD:** Skim off floating oils. Split out emulsified oils. Dispose of remaining liquids in accordance with federal, state, and local regulations.

### 6) HEALTH HAZARD DATA:

**EYE:** This product can cause redness, irritation, or a burning sensation.

**SKIN CONTACT:** Prolonged contact with skin may cause dryness or irritation.

**SKIN ABSORPTION:** Prolonged or repeated exposure can cause aggravate existing conditions.

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

**INHALATION:** No acute affects are expected.

**SYSTEMIC (other target organ) EFFECTS:** None known

**TERATOLOGY (birth defects):** None known

**REPRODUCTIVE EFFECTS:** None known

**MUTAGENICITY (effects on genetic material):** None known

**CARCINOGENICITY:**      IARC: NO      NTP: NO      OSHA: NO

### 7) FIRST AID:

**EYES:** Flush immediately with water for 15 minutes. Contact a physician.

**SKIN:** Wash with soap and water.

**INGESTION:** Dilute with water. Contact 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:** Alkanolamine: OSHA PEL 3 ppm TWA

Triethanolamine ACGIH TLV: 5 mg/m<sup>3</sup>

**VENTILATION:** Not normally required; Required if high levels of mist are generated.

**RESPIRATORY PROTECTION:** None normally required

**SKIN PROTECTION:** Protective rubber gloves

**EYE PROTECTION:** Safety glasses or goggles



EMERGENCY PHONE NUMBERS  
CHEMTREC (800) 424-9300  
Monroe Fluid Technology (800) 828-6351

Website: <http://www.monroefluid.com>

## Material Safety Data Sheet

Product Name: **ASTRO-CUT SYN**      Effective Date: 02/11/02      Date Printed: 03/25/02      Page: 3

9) **ADDITIONAL INFORMATION:**  
**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 clothing before reuse. 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. Store indoors in cool dry areas. Use as directed.

**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