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Material Safety Data Sheet

Product Name: **ASTRO-CUT C** Effective Date: 10/10/00 Date Printed: 03/25/02 Page: 1

NFPA Rating:

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

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

CHEMICAL NAME	CAS #	%
Heavy Naphthenic, severely hydrotreated chemically neutralized oil	64742-52-5	30-55
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:	105° C.
Vapor Pressure:	Not determined
Vapor Density:	Not determined
Solubility In Water:	Complete/Forms emulsion
pH: @ 20:1	9.2 ± 0.3
Sp. Gravity: @ 60° F.	0.95 ± 0.01
Appearance:	Amber hazy 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: Water spray, foam or carbon dioxide

FIRE & EXPLOSION HAZARDS: Intense heat can cause drums to rupture. Cool fire-exposed containers with water.

FIRE-FIGHTING EQUIPMENT: Treat as hot oil. Fire Fighters should wear 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 oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may product asphyxiants.

HAZARDOUS POLYMERIZATION: Will not occur

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5) ENVIRONMENTAL AND DISPOSAL INFORMATION:

ACTION TO TAKE FOR SPILLS/LEAKS: Treat as oil spill. Dike area. Clean up with absorbents. 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: May cause irritation

SKIN ABSORPTION: Not likely to occur

INGESTION: May cause nausea

INHALATION: Warning: Inhalation of oil mist is harmful and may cause lung damage.

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 and water.

INGESTION: Do not induce vomiting, do not administer liquids. Obtain medical assistance.

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:

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

Triethanolamine ACGIH TLV: 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 above 5 mg/m³, use NIOSH approved respirator.

SKIN PROTECTION: Oil resistant gloves for prolonged or repeated contact

EYE PROTECTION: Safety glasses



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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.

Laundry contaminated clothing before reuse. Avoid prolonged breathing of mist and vapors. Use as directed. Normal precautions common to good manufacturing should be followed in handling and storing. Store away from food. Wash hands before eating, drinking, or smoking.

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