



Safety Data Sheet in accordance with Regulation (EU) No. 453/2010 and OSHA 29 CFR 1910.1200 HCS

ASTRO-CUT SS-250

MATERIAL SAFETY DATA SHEET

1. Identification of the Substance/ Mixture and of the Company/ Undertaking

Product Name: ASTRO-CUT SS-250

Preparation Date: May 1, 2015

Revision Date: August 26, 2015

Recommended Use: Metalworking Fluid

Supplier: MONROE FLUID TECHNOLOGY

36 Draffin Road,
Hilton, NY 14468

Telephone: Phone: 800-828-6351 585-392-3434

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

2. Hazard Identification

GHS Classification: Not classified as hazardous

GHS Labeling:

Symbols: None

Signal Word: None

Precautionary Statements:

P501: Dispose of contents/ container to an approved waste disposal plant

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] and OSHA 29 CFR 1910.1200

HCS: Not classified as hazardous

Other Hazards Not Classified: No significant hazards

3. Composition/Information on Hazardous Ingredients

Mixture: Base oil, emulsifiers and additives.

Chemical Name	CAS Number	Concentration, Wt. %
Within the current knowledge of the supplier and in the concentrations applicable, there are no ingredients present which are classified as hazardous to health or the environment and hence required to be reported in this section.		

4. First Aid

Inhalation: Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance.

Eyes: Flush thoroughly with water. If irritation occurs, get medical assistance.



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Ingestion: Do not induce vomiting. Contact a physician.

Skin: Wash affected area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.

5. Fire-fighting Measures

Suitable extinguishing media: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Specific hazards: Intense heat may cause unopened drums to rupture. Cool fire-exposed surfaces with water.

Specific protective equipment and precautions for fire fighters: Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

Unusual Fire and Explosion Hazards: None

Flammability Properties:

Flash point: None
Method Used: TCC

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Contain spill, collect onto inert absorbent. Do not flush into drain or sewers. Place in an approved container for disposal.

Environmental Precautions: In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

Methods and materials for containment: Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, or basements.

7. Handling and Storage

Precautions for safe handling: 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.

Conditions for safe storage: Keep container closed. Store in a cool, well-ventilated area away from food or feed.

8. Exposure Controls/Personal Protection



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Control parameters:

Exposure Guidelines:

Base oil (as mist) OSHA PEL: 5 mg/m³ Triethanolamine ACGIH TLV: 5 mg/m³

Appropriate engineering controls: Proper protection and controls is dependent upon the potential exposure conditions. Adequate ventilation should be provided so that exposure limits are not exceeded.

Individual protective measures:

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

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

Eye protection: If contact is likely, safety glasses with shields or chemical goggles are required. Contact lenses should not be worn if the product could be splashed into the eyes.

Hand protection: Chemical/oil resistant gloves are recommended.

Body protection: Chemical/oil resistant clothing is recommended.

9. Physical and Chemical Properties

Appearance: Amber liquid

Odor: Bland odor

Odor Threshold: N/D

pH : @ 5% in water: 9.0 +/- 0.3

Freezing point: Not determined

Initial boiling point and boiling range: >100°C (212°F)

Flash Point (TCC): None

Evaporation Rate (n-butyl acetate = 1): N/D

Flammability (Solid, Gas): N/D

Flammable limits (Approximate volume % in air): Not explosive

Vapor pressure: <1mm Hg @ 20°C

Vapor density (Air = 1): N/D

Relative density: 1.0+/-0.01 @ 15.5°C

Partition coefficient n-octanol/water: N/D

Autoignition Temperature: N/D

Decomposition Temperature: N/D

Viscosity: N/D

10. Stability and Reactivity

Chemical stability: Stable at normal conditions

Possibility of hazardous reactions: Not expected and hazardous polymerization will not occur

Conditions to avoid: Stable under normal storage and use conditions.



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Incompatible Materials: Strong acids or bases.

Hazardous decomposition products: Oxides of carbon.

11. Toxicological Information

Inhalation: Inhalation of vapors or mists may be irritating to the respiratory tract.

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

Eyes: Contact may cause mild, short-lasting irritation.

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

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

12. Ecological Information

Persistence and degradability: Expected to be readily biodegradable

13. Disposal Considerations

Disposal methods: Dispose of in accordance with federal, state and local regulations

Precaution for disposal: All recovered material should be packaged, labeled, transported and disposed or reclaimed in conformance with Good Engineering Practices. Comply with all applicable governmental regulations. Avoid land filling of liquids. Reclaim where possible.

14. Transport Information

USA DOT (Land): Not regulated by D.O.T.

IMDG (Sea): Not regulated as a hazardous material or dangerous goods for transportation.

IATA (Air): Not regulated as a hazardous material or dangerous goods for transportation.

15. Regulatory Information

US TSCA: In compliance with the inventory

Canada DSL: In compliance with the inventory

OSHA HAZARD COMMUNICATION STANDARD: When used for its intended purpose, this



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material is classified as hazardous in accordance with OSHA 29CFR 1910.1200.

Complies with the following national/regional chemical inventory requirements: ENCS, IECSC, DSL, AICS, TSCA, KECI, PICCS

EPCRA: This material contains no extremely hazardous substances.

CERCLA: This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLA petroleum exclusion applies for this product. Contact local authorities to determine if other reporting requirements apply.

SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.

SARA (313) TOXIC RELEASE INVENTORY: This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.

Cal. Prop. 65 This product does not intentionally contain any chemicals known by the State of California to cause cancer and/or birth defects. Moreover, we do not routinely analyze its products for impurities which may be such chemicals.

VOC Content (SCAQMD ASTM 1868-10) : <100 g/l concentrate; <10 g/l at maximum recommended dilution of 10%.

16. Other Information

Special Precautions to be Taken in Handling and Storage:

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. Use as directed.

Disclaimer: This document has been prepared in good faith and from information provided to us by our suppliers and other sources considered to be reliable. No warranty, express or implied is given. The buyer is responsible to evaluate all available information when using this product for any particular use. The buyer is also responsible for complying with all Federal, State, Provincial, and Local Laws and regulations when using this product.