



Monroe
Fluid Technology

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Full Disclosure Material Safety Data Sheet

Product Name: **COOL TOOL II AEROSOL** Effective Date: 05/06/11 Date Printed: 05/09/11 Page: 1

HMIS Rating:

Health: 1 Flammability: 2 Reactivity: 0 Personal Protection: B

1a) HAZARDOUS INGREDIENTS (per OSHA 29 CFR 1910.1200): (% wt., unless otherwise noted)

| CHEMICAL NAME | CAS # | % |
|---------------|---------|----|
| Isobutane | 75-28-5 | 17 |
| Propane | 74-98-6 | 3 |

1b) NON-HAZARDOUS INGREDIENTS (per OSHA 29 CFR 1910.1200): (% wt., unless otherwise noted)

| CHEMICAL NAME | CAS # | % |
|---|-------------|-------|
| Lard Oil | 8016-28-2 | 60-65 |
| Tall Oil Fatty Acids | 61790-12-3 | 12-16 |
| Sulfurized Vegetable Fatty Oil | 68153-37-7 | 1-5 |
| 3,5 Di-Tert-butyl-4-hydroxy, hydrocinnamic acid, C ₇ -C ₉ branched esters | 125643-61-0 | <1.0 |

2) PHYSICAL DATA:

Boiling Point: > 400° F.
Vapor Density: Heavier than air
Evaporation Rate: Slower than Butylacetate
Percent Volatile: 20%
Solubility In Water: Insoluble
Specific Gravity: Lighter than water
Weight Per Gallon: 7.6 pounds
Appearance: Amber fluid
Odor: Bland

3) FIRE AND EXPLOSION HAZARD DATA:

FLAMMABILITY CLASSIFICATION: Flammable

WARNING STATEMENT:

Danger: Flammable. Contents under pressure, do not puncture or incinerate.

Do not expose to heat, open flame, or store above 120° F. Keep out of reach of children.

EXTINGUISHING MEDIA: Water, CO₂, Dry Chemical, Foam

FIRE & EXPLOSION HAZARDS:

Aerosol exposed to high temperatures will rupture, rocket and may cause secondary explosion.

FIRE-FIGHTING PROCEDURES: Copious amounts of water must be applied to reduce temperatures of any inventory not directly involved in fire.

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4) REACTIVITY DATA:

STABILITY: (conditions to avoid) Stable under normal storage and use conditions. Avoid heat, sparks and open flames.

INCOMPATIBILITY: (specific materials to avoid) Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Open flames can cause thermal degradation with the evolution of Hydrogen Chloride.

HAZARDOUS POLYMERIZATION: Will not occur

5) ENVIRONMENTAL AND DISPOSAL INFORMATION:

ACTION TO TAKE FOR SPILLS/LEAKS: Large spills or punctures should be well ventilated. Air movement to dilute leaking vapors is essential. Avoid ignition sources. Turn off electric power to area.

DISPOSAL METHOD: Dispose of in accordance with federal, state and local regulations.

6) HEALTH HAZARD DATA:

EYE: Contact may cause irritation.

SKIN CONTACT: Prolonged or repeated contact may cause mild irritation of the skin, defatting

SKIN ABSORPTION: Not likely to occur

INGESTION: Ingestion of sufficient amount of product is highly unlikely. However, if it occurs get prompt medical attention. Do not induce vomiting.

INHALATION: Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.

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 for 15 minutes. If irritation persists, contact a physician.

SKIN: Wipe off. Wash with soap and water. Small amounts will not damage skin. Repeated or prolonged contact should be avoided.

INGESTION: Do not induce vomiting. Consult a physician.

INHALATION: If breathing is affected by vapor inhalation, remove patient to fresh air, get emergency medical attention, administer artificial respiration and/or oxygen.

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

8) HANDLING PRECAUTIONS :

EXPOSURE GUIDELINE: Propane OSHA PEL: 1000 ppm; Isobutane OSHA PEL: 1800 mg/m³

VENTILATION: Use in ventilated areas only. Local exhaust ventilation may be necessary if misting is generated.

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RESPIRATORY PROTECTION: None required when used as directed

SKIN PROTECTION: None required when used as directed

EYE PROTECTION: None required when used as directed

9) **ADDITIONAL INFORMATION:**

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Handle as a Flammable Aerosol Level II. Use as directed. Normal precautions common to good manufacturing practices should be followed in handling and storing. Store away from food in a cool, dry, well ventilated area. Wash hands before eating, drinking or smoking and after handling.

Warehousing should be in compliance with local, state and federal codes as well as the regulations of your insurance carrier.

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.

VOLATILE ORGANIC COMPOUND (VOC) content: 20% by weight (propellants: isobutane, 17%; propane, 3%)

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):

Sec. 112 (r) Propane: TQ 10,000 lb; Isobutane : TQ 10,000 lb

10) **TRANSPORTATION INFORMATION:**

PROPER SHIPPING NAME: Consumer Commodity

DOT HAZARD CLASS: ORM-D