

**MATERIAL SAFETY DATA SHEET**

**MANUFACTURED FOR:**

**PREPARATION DATE:** 01/18/02nc

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**HAZARD RATING**

Health-2      Reactivity-1      Flammability-4      Special Hazard-Unk

**SECTION I - GENERAL INFORMATION**

Trade Name & Syn...      **CLEARCO MIST ADHESIVE SPRAY 600**

**SECTION II - INGREDIENTS**

INGREDIENT DESCRIPTION	% Weight	CAS Number	TLV TWA	TLV STEL	TLV Ceiling	Skin Designation	mmHg	Carcinogen	SARA 313
Dimethyl Ether	15%	115-10-6	1000 ppm.	No Info	No Info	NO	4039.0	NO	NO
Isobutane	10%	75-28-5	800 ppm.	No Info	No Info	NO	1603.2	NO	NO
Propane	10%	74-98-6	1000 ppm.	No Info	No Info	NO	5688.6	NO	NO
Hexane	50%	110-54-3	50 ppm.	No Info	No Info	NO	125.0	NO	NO

**SECTION III - PHYSICAL DATA**

Boiling Point (F)..... -44- 500°F  
Vapor Density (Air=1)..... Above 1.0  
Product Density..... 5.8 lbs./gal (U.S.)  
Solubility..... Negligible  
Evaporation Rate ..... Is faster than Butyl Acetate  
Volatile by Weight..... 82.2%  
Volatile by Volume..... 87.8%  
Appearance ..... White Liquid  
Odor..... Mint when wet

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

**FLAMMABILITY CLASSIFICATION:**

**Flash Point** ..... -156°F    LEL: 1.0%    UEL: 18.0%  
(Pensky-Martens Closed Cup)

**OSHA - FLAMMABLE LIQUID - CLASS 1A**  
**DOT - CONSUMER COMMODITY ORM-D**

**Extinguishing Media**.....Water Fog Dry Chemical Carbon Dioxide Foam

**Unusual Fire & Explosion Hazards**.....Vapors are heavier than air and travel along the ground or may be moved by ventilation and ignited by ignition sources at locations distant from material handling point. All 5 gal pails and larger should be grounded and/or bonded during material transferal. For aerosol products - exposure to temperatures over 130°F may cause containers to burst, releasing highly flammable gas.

**Special Fire-fighting Procedures**.....Wear self-contained breathing apparatus with a full face-piece operated in pressure-demand or other positive pressure mode when fighting fires.

**SECTION V - HEALTH HAZARD DATA**

**Effects of Over Exposure**....Eye contact: can cause severe irritation, redness, tearing, blurred vision. Skin Contact: Prolonged or repeated contact can cause moderate irritation de-fatting, dermatitis. Inhalation: Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness,

fatigue, nausea, headache, possible unconsciousness, and even asphyxiation. Overexposure may cause damage to the nervous system.

**Medical Conditions Prone to Aggravation by Exposure:** Central Nervous System Disorders.

**Primary Routes of Entry:** Inhalation Dermal

**Emergency and First Aid Procedures:** Skin contact: Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use. Get medical attention if irritation persists. Eye Contact: Flush with large amount of water, lifting upper and lower lids occasionally, get medical attention. Ingestion: Do not induce vomiting. Give two glasses of water if conscious. Never give anything by mouth to an unconscious person. Get immediate medical attention. Inhalation: Remove individual to fresh air. If breathing is difficult, administer oxygen. Give artificial respiration if breathing has stopped. Keep person warm, quiet. Get medical attention.

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#### **SECTION VI - REACTIVITY DATA**

Stability	This product is stable under normal storage conditions
Hazardous Polymerization	Will Not occur under normal storage conditions
Hazardous Decomposition Products:	Carbon Monoxide and Carbon Dioxide. Various Hydrocarbons
Conditions to Avoid	Heat, Sparks, Flame, Red Hot Metal
Incompatibilities	Oxidizing Agents, Reducing Agents Bromide.

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#### **SECTION VII - SPILL OR LEAK PROCEDURES**

**Steps to be taken in case Material is Released or Spilled:** Eliminate sources of ignition & ventilated area. Persons not properly equipped should be excluded from area. Stop spill at source - prevent spreading. Avoid Inhalation of vapors. Avoid skin contact with liquid. Soak up on absorbent material and place into container for disposal. Use plastic scoops for flammable materials.

**Waste Disposal Method:** Dispose of in accordance with all local, state and federal regulations.

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#### **SECTION VIII - SAFE HANDLING AND USE INFORMATION**

**Respirator Protection** If workplace exposure limits of product or any component is exceeded, a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (Negative Pressure Type) under specified conditions. See your safety equipment supplier. Engineering or administrative controls should be implemented to reduce exposure.

**Ventilation:** Provide sufficient mechanical ventilation (General and/or local exhaust)

**Ventilation to Maintain Exposure Below TLV(s):**

**Protective Gloves** Wear resistant gloves such as: PVC/NITRILE, NEOPRENE

**Eye Protection** OSHA approved chemical splash goggles are advised, however, OSHA regulations also permit other type safety glasses. (Consult your safety equipment supplier)

**Other Protective Equipment:** To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

**Hygienic Work Practices** Wash hands before eating or smoking. Smoke in designated areas only. Remove and launder clothing.

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#### **SECTION IX - SPECIAL PRECAUTIONS**

**Precautions to be Taken in Handling and Storage:** It is recommended that this material be stored in a cool, dry, ventilated area. Keep away from heat sources, open flame, sparks. Do not store above 120°F. Do not store in direct sunlight. Do not transfer to unmarked containers. Keep from reach of children. Do not puncture, incinerate, or place aerosol product containers in compactors.

**Other Precautions:** Containers of this material may be hazardous when emptied, since containers retain product residues (vapor, liquid, and/or solid). All hazard precautions given must be observed. Do not flame cut, braze, or use welding torch. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

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#### **SECTION X - SHIPPING HAZARD DATA**

HM-181 DOT Proper Shipping Name	Consumer Commodity	IATA Proper Shipping Name	Aerosols, Flammable N.O.S.
HM-181 DOT Hazard Classification	ORM-D	IATA Class or Division	2
HM-181 United Nations Number	None	IATA Subsidiary Risk	3
HM-181 Label(s) Required	None	IATA Hazard Labels (2)	Flammable Gas
DOT Emergency Response Guide Number	12	United Nations Number	1950

National Motor Freight Class Compounds, Lubricating #50303, Class 55

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#### **DISCLAIMER**

The information on this data sheet represents our current data and is believed to be accurate but is not warranted whether originating with the company or not. Any use of this product which is not in conformance with this data sheet or which involves the use of this product in combination with any other product or any other process is the responsibility of the user.