

REC'D JUN 24 1997

MATERIAL SAFETY DATA SHEET
 AMBU TRANE PART # 50676274-01-07

3121
 SELO0552

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Antiseize Lubricant 767
 Item No.: 76759
 Product Type: Aerosol lubricant

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
METHYLENE CHLORIDE*	75-09-2	60-65
Mineral oil	64742-54-7	15-20
COPPER*	7440-50-8	5-10
Graphite	7782-42-5	5-10
Mineral oil	64742-65-0	3-5
ALUMINUM	7429-90-5	1-3
CARBON DIOXIDE	124-38-9	1-3
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	112945-52-5	0.1-1
PROPYLENE OXIDE*	75-56-9	0.1-0.5

* This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
METHYLENE CHLORIDE	50 ppm TWA 174 mg/m3	500 ppm TWA 1000ppm ceiling	None
Mineral oil	5mg/m3 TWA mist	5mg/m3 TWA mist	None
COPPER	1 mg/m3 dust	1 mg/m3 dust	None
Graphite	2.5 mg/m3 dust, respirable	2.5 mg/m3 dust, respirable	None
Mineral oil	5mg/m3 TWA mist	5mg/m3 TWA mist	None
ALUMINUM	10 mg/m3 dust	15 mg/m3 dust	None
CARBON DIOXIDE	5,000 ppm TWA 9,000 mg/M3	10,000 ppm TWA 18,000 mg/M3	None
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	10 mg/m3 TWA	6 mg/m3 TWA	3 mg/m3 TWA resp. dust
PROPYLENE OXIDE	20 ppm TWA 48 mg/m3	20 ppm TWA 50 mg/m3	5 ppm 6 ppm STEL
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	
METHYLENE CHLORIDE	None	300ppm 5minutes in 3 hours	
Mineral oil	10 mg/m3 mist	None	
Mineral oil	10 mg/m3 mist	None	
CARBON DIOXIDE	30,000 ppm 54,000 mg/M3	30,000 ppm 54,000 mg/M3	

3. HAZARDS IDENTIFICATION

Toxicity: Skin and eye irritant. May irritate respiratory tract. Aspiration hazard if swallowed. May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of skin. Eye irritation may be severe. Corneal injury may result. Long term exposure to high concentrations of vapor may cause kidney damage. Methylene chloride will have an affect on the cardiovascular system.

Primary Routes of Entry: Inhalation, ingestion, contact.

Signs and symptoms of Exposure: Headache, nausea, dizziness. Narcosis at high concentration.

Existing Conditions Aggravated by Exposure: Graphite powder: emphysema, asthma.

Ingredients	Literature Referenced Target Organ and Other Health Effects			Carcinogen NTP IARC OSHA		
METHYLENE CHLORIDE	AC3	CNS	IRR LIV	YES	2B	NO
Mineral oil	No Data			NO	NO	NO
COPPER	BLO	CNS	GAS IMM IRR KID LIV MUT	NO	NO	NO
Graphite	SEN	SKI				
Mineral oil	LUN			NO	NO	NO
ALUMINUM	No Data			NO	NO	NO
	IRR	LUN		NO	NO	NO

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3. HAZARDS IDENTIFICATION

(continued)

CARBON DIOXIDE	CNS DEV	NO	NO	NO
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	NUI	NO	N/A	NO
PROPYLENE OXIDE	AC3 COR IRR MUT NER	YES	2A	NO

Abbreviations

N/A Not Applicable	2A Probably carcinogenic to humans
2B Possibly carcinogenic to humans	AC3 ACGIH animal carcinogen.
BLO Blood	CNS Central nervous system
COR Corrosive	DEV Developmental
GAS Gastrointestinal	IMM Immune system
IRR Irritant	KID Kidney
LIV Liver	LUN Lung
MUT Mutagen	NER Nervous System
NUI Nuisance dust	SEN Sensory
SKI Skin	

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.
 Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention.
 Skin Contact: Flush with water.
 Eye Contact: Flush at least 15 minutes with water. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: None Method: Tag Closed Cup
 Recommended Extinguishing Agents: Carbon dioxide, foam, dry chemical
 Hazardous Products formed by Fire or Thermal Decomp: Toxic chlorides, metal vapors.
 Unusual Fire or Explosion Hazards: None
 Explosive Limits:
 (% by volume in air) Lower 13% at 25°C Methylene chloride
 0.9% Mineral oil
 30% Aluminum metal
 (% by volume in air) Upper 23% at 25°C Methylene chloride
 7% Mineral oil
 Unknown Aluminum metal

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak: Maintain adequate ventilation. Soak up with an inert absorbent. Store in a closed container until disposal.

7. HANDLING AND STORAGE

Safe Storage: Store below 100°F
 (Contact Loctite Customer Service 1-800-243-4874 for shelf life information)
 Handling: Keep away from eyes. Avoid prolonged breathing of vapor. Avoid prolonged skin contact.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.
 Skin: Rubber or plastic gloves.
 Ventilation: Sufficient to maintain vapor concentration below TLV.
 See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Metallic liquid
 Odor: Sharp
 Boiling Point: Approximately 100°F
 pH: Does not apply
 Solubility in Water: Nil
 Specific Gravity: 1.3 (Base only)
 Volatile Organic Compound (EPA Method 24): 1.14%; 14.2 grams per liter of material

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9. PHYSICAL AND CHEMICAL PROPERTIES

(continued)

Vapor Pressure: Approximately 350 mm at 75° F
 Vapor Density: Approximately 2.9
 Evaporation Rate (Ether = 1): Not available

10. STABILITY AND REACTIVITY

Stability: Stable
 Hazardous Polymerization: Will not occur
 Incompatibility: Solvent may react violently with aluminum on prolonged contact.
 Hazardous Decomposition Products (non-thermal): None

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate following EPA and local regulations. Do not incinerate pressurized cans.
 EPA Hazardous Waste Number: F002/ - Hazardous waste per 40CFR 261.33(f)

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)
 Domestic Ground Transport
 Proper Shipping Name: Consumer Commodity
 Hazard Class or Division: ORM-D
 Identification Number: None
 Marine Pollutant: None
 IATA
 Proper Shipping Name: Aerosols, non-flammable, n.o.s. containing substances in Division 6.1, Packing Group III
 Class or Division: Class 2.2, Subsidiary Risk 6.1
 UN or ID Number: UN 1950

15. REGULATORY INFORMATION

CA Proposition 65: Warning: This product contains a chemical known to the State of California to cause cancer.

16. OTHER INFORMATION

Estimated NFPA(R) Code:
 Health Hazard: 2
 Fire Hazard: 0
 Reactivity Hazard: 0
 Specific Hazard: Does not apply

Estimated HMIS(R) Code:
 Health Hazard: 2
 Flammability Hazard: 0
 Reactivity Hazards: 0
 Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.
 HMIS is a registered trademark of the National Paint and Coatings Assn.

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