



Material Safety Data Sheet and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name I.D. ORANGE (AEROSOL)
Product use Aerosol Parts and Equipment Cleaner.
Product code 0097
Date of issue 11/02/06 **Supersedes** 11/06/00

Emergency Telephone Numbers **For MSDS Information:**
Compliance Services 1-877-I-BUY-ZEP (428-9937)

For Medical Emergency
INFOTRAC: (877) 541-2016 Toll Free - All Calls Recorded

For Transportation Emergency
CHEMTREC: (800) 424-9300 - All Calls Recorded
In the District of Columbia (202) 483-7616

Prepared By

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Section 2. Composition, Information on Ingredients

Name of hazardous ingredients	CAS #	% by Weight	Exposure Limits
LIGHT ALIPHATIC NAPHTHA; solvent naphtha (petroleum), medium aliphatics	64742-88-7	80 - 90	ACGIH TLV (United States). TWA: 100 ppm 8 hour(s). Supplier Suggested TLV (United States). TWA: 100 ppm 8 hour(s).
DIPROPYLENE GLYCOL METHYL ETHER; dipropylene glycol monomethyl ether	34590-94-8	5 - 10	ACGIH TLV / OSHA PEL (United States, 2003). Skin TWA: 100 ppm 8 hour(s). STEL: 150 ppm 15 minute(s).

Section 3. Hazards Identification

Acute Effects

Routes of Entry Dermal contact. Inhalation.

Skin Prolonged or repeated contact may dry skin and cause irritation. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering.

Eyes Direct contact may cause irritation and redness. Inflammation of the eye is characterized by redness, watering and itching.

Inhalation Material is irritating to mucous membranes and upper respiratory tract. Can cause central nervous system (CNS) depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Medical conditions aggravated by over-exposure Respiratory

Ingestion Aspiration hazard if swallowed. Can enter lungs and cause damage.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse health effects are lessened by following all prescribed safety precautions, including use of proper personal protective equipment.

Carcinogenic Effects

Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Chronic Effects

Prolonged skin contact may cause dermatitis with drying and cracking of skin.

See Toxicological Information (section 11)

HMIS

Health	1
Fire Hazard	2
Reactivity	0
Personal Protection	B

Section 4. First Aid Measures

Eye Contact

Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention.

Skin Contact

Wash affected area with soap or mild detergent and water. Remove contaminated clothing and shoes. Get medical attention if irritation develops.

Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion

Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, keep head lower than hips to help prevent aspiration. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point	Not available.	Flammable Limits	Not available.
Flammability	Flammable Aerosol. (CSMA)		
Fire hazard	Container explosion may occur under fire conditions or when heated. Cool closed containers exposed to fire with water.		
Fire-fighting procedures	Dry chemical, carbon dioxide, foam, water fog. Wear special protective clothing and positive pressure, self-contained breathing apparatus.		

**Section 6. Accidental Release Measures**

Spill Clean up Large spills are unlikely due to packaging.

Section 7. Handling and Storage

Handling	Keep away from heat, sparks and flame. Avoid contact with eyes, skin and clothing. Avoid breathing vapors, spray or mists. Wash contaminated clothing before reusing. Wash thoroughly after handling.
Storage	Store and use away from heat, sparks, open flame or any other ignition source. Keep away from heat and direct sunlight. Store below 120°F (49°C). Do not puncture or incinerate. Keep out of the reach of children.

Section 8. Exposure Controls, Personal Protection

	Personal Protection	Protective Clothing (Pictograms)
Eyes	Safety glasses.	
Body	For prolonged or repeated handling, use nitrile gloves.	
Respiratory	Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Wear appropriate respirator when ventilation is inadequate. Approved/certified respirator with organic vapor cartridge.	

Section 9. Physical and Chemical Properties

Physical State	Liquid. (Aerosol.)	Color	Colorless.
pH	Not applicable.	Odor	Mild.
Boiling Point	Not available.	Vapor Pressure	Not available.
Specific Gravity	0.799 (Water = 1)	Vapor Density	Not available.
Solubility	Insoluble in the following materials: cold water, hot water.	Evaporation Rate	Not available.
		VOC (Consumer)	96.9% 6.45 (lb/gal) 773 (g/l)

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	Avoid contact with strong oxidizers, excessive heat, sparks or open flame.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products	Carbon dioxide, Carbon monoxide, and other organic materials.

Section 11. Toxicological Information

Toxicity to Animals	Dipropylene Glycol Methyl Ether : [^] [25,45,50,70 ORAL (LD50): □ Acute: 5220 mg/kg [Rat]. DERMAL (LD50): □ Acute: 13000 mg/kg [Rabbit].
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Section 12. Ecological Information

Ecotoxicity	Not available.
Biodegradable/OECD	Not available.

Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.	Waste Stream	Code: - (None.) Classification: - (Non-hazardous waste)
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Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name	None.	UN number	Not regulated.
DOT Classification	Not a DOT controlled material (United States).		

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

TDG Classification Not a TDG-controlled material.

Section 15. Regulatory Information

U.S. Federal Regulations	SARA 313 toxic chemical notification and release reporting: No products were found. Clean Water Act (CWA) 311: No products were found. Clean Air Act (CAA) 112 regulated toxic substances: No products were found. All Components of this product are listed or exempt from listing on TSCA inventory.
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State Regulations California prop. 65: No products were found.

WHMIS (Canada) Not controlled under WHMIS (Canada).

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.