

Material Safety Data Sheet

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Section 1: Product Identification

MSDS Code: 836 - aerosol **Name: Label and Adhesive Remover**

Related Part Numbers: 836-140G

Use: For removing labels and adhesives.

Section 2: Hazardous Ingredients

CAS#	Chemical Name	Percentage by weight	ACGIH TWA	Osha Pel	Osha Stel
64742-88-7	Petroleum naphtha	40 – 70	100ppm	N/e	N/e
5989-27-5	d-limonene	15 – 40	N/e	N/e	N/e
811-97-2	1,1,1,2-tetrafluoroethane	10 – 30	1000ppm	N/e	N/e

Section 3: Hazards Identification

WHMIS Codes: A, B5, D2B

NFPA Ratings: Health 2 Flammability 1 Reactivity 0

HMIS Ratings: Health 2 Flammability 1 Reactivity 0

Eyes: Vapors from this product are irritating to the eyes. This product causes irritation, redness, and pain.

Skin: May cause defatting, drying, and cracking of the skin. Skin contact can cause irritation, especially under the fingernails.

Inhalation: Mist or spray may be irritating to the nose, throat, and respiratory tract. May cause hearing loss, liver damage, kidney damage, central nervous system depression, dizziness, headache, diarrhea, nausea, and vomiting.

Ingestion: This product causes irritation, a burning sensation of the mouth and throat, and abdominal pain. May cause hearing loss, liver damage, kidney damage, central nervous system depression, dizziness, headache, diarrhea, nausea, and vomiting.

Chronic: Prolonged use may cause dermatitis.

Section 4: First Aid Measure

Eyes: Remove contact lenses. Flush with water or saline for 20 minutes. If irritation persists, repeat flushing. Obtain medical attention immediately.

Skin: Wash skin with large amounts of soap and water. If irritation, redness, or a burning sensation develops and persists, obtain medical advice.

Inhalation: Immediately remove from exposure to fresh air. If breathing is difficult, give oxygen. Give artificial respiration ONLY if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing AND no pulse. Get medical aid immediately.

Ingestion: Do not induce vomiting. If conscious, give 1/2 - 1 glasses of water. Get medical aid immediately.

Section 5: Fire Fighting Measures

Autoignition Temperature: 237°C**Flash Point:** 39°C**LEL / UEL:** 1 / 7**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.**General Information:** Will burn if involved in a fire. Containers may explode in the heat of a fire. Vapors from this product are heavier than air and may "travel" to a source of ignition and "flash back". Rags and other materials containing this product may heat and spontaneously ignite. Store wiping rags and similar material in metal cans with tight fitting lids.

Section 6: Accidental Release Measures

Spill Procedure: Remove all sources of ignition. Provide adequate ventilation. Wear appropriate personal protection. Sprinkle absorbent compound onto spill, then sweep into a plastic or metal container. Wipe up further residue with paper towel and place in container. Wash spill area with soap and water.

Section 7: Handling and Storage

Handling: Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not ingest or inhale. Do not expose container to heat or flame.**Storage:** Keep away from sources of ignition. Store in a cool, dry, well-ventilated area, away from incompatible substances.

Section 8: Exposure Controls

Routes of entry: Eyes, ingestion, inhalation, and skin.**Ventilation:** Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.**Personal Protection:** Wear appropriate protective eyeglasses or chemical safety goggles. Wear appropriate protective clothing to prevent skin contact. Use a NIOSH approved respirator when necessary.

Section 9: Physical and Chemical Properties

Physical State:	Aerosol	Odor:	Orange rind	Solubility:	Negligible	Evaporation Rate:	<1 (ether=1)		
Boiling Point:	160°C	Specific Gravity:	0.87	Vapor Pressure:	74 PSI @21°C	Vapor Density:	>1 (Air=1)	pH:	N/a

Section 10: Stability and Reactivity

Stability: Stable at normal temperatures and pressures.**Conditions to avoid:** Temperatures over 40°C, ignition sources, and incompatible substances.**Incompatibilities:** Alkali and alkaline earth metals, powdered aluminum, zinc, magnesium, and beryllium. Strong oxidizers. Lewis or mineral acids. Reacts explosively with iodine pentafluoroethylene.**Polymerization:** Will not occur.**Decomposition:** Thermal decomposition products are toxic and may contain oxides of carbon, halogens, halogen acids, and possibly carbonyl halides.

Section 11: Toxicological Information

Sensitization: (effects of repeated exposure)	May cause skin sensitization or other allergic reactions.	
Carcinogenicity: (risk of cancer)	The ingredients of this product are not classified as being carcinogenic by ACGIH (American Conference of Governmental Industrial Hygienists) or IARC (International Agency for Research on Cancer), not regulated as carcinogens by OSHA (Occupational Safety and Health Administration), and not listed as carcinogens by NTP (National Toxicology Program)	
Teratogenicity: (risk of malformation in an unborn fetus)	Not known to.	
Reproductive Toxicity: (risk of sterility)	Not known to.	
Mutagenicity: (risk of heritable genetic effects)	Not known to.	
Lethal Exposure Concentrations:		
Ingestion (LD50): 2300 mg/kg (rat)	Inhalation (LC50): 2965 mg/m ³ (rat)	Skin (LD50): > 5000 mg/kg (rat)

Section 12: Ecological Information

General Information:	Avoid runoff into storms and sewers that lead into waterways. Water runoff can cause environmental damage.				
Environmental Impact Data: (percentage by weight)					
CFC: 0	HFC:	Cl.Solv: 0	VOC: 45	HCFC: 0	ODP: 0

Section 13: Disposal Information

General Information:	Dispose of in accordance with all local, provincial, state, and federal regulations. Water runoff can cause environmental damage.
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Section 14: Transportation Information

Ground:

Consumer Commodity, ORM-D

Air:

Shipper must be trained and certified. Refer to IATA regulations.

Sea:

UN# 1950. Class 2.1. Shipper must be trained and certified. Refer to IMDG regulations.

Section 15: Regulatory Information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

SARA (Superfund Amendments and Reauthorization Act of 1986, USA, 40 CFR 372.4)

None of the chemicals in this product have a reportable quantity.

EPCRA (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45)

This product does not contain any chemicals subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372.

TSCA (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

Section 15: Regulatory Information Cont.

CAA (Clean Air Act, USA)

This product does not contain any class 1-ozone depletors.
This product does not contain any class 2-ozone depletors.
This product does not contain any chemicals listed as hazardous air pollutants.

California Proposition 65 (Chemicals known to cause cancer or reproductive toxicity, May 1, 1997 revision, USA)

This product does not contain any chemicals listed.

Health Canada

Labeling and containers used in this product are listed in compliance with Consumer Chemicals and Container regulations.

Environment Canada

Chemicals in this product are listed on the Domestic Substances List in the Canadian Environmental Protection Act
This product does not contain any ozone depleting substances.

Industry and Science Canada

Labeling, product identity, net quantity declaration, minimum printing type size heights, and packaging of this product is in compliance with the Consumer Packaging and Labeling Act and Regulations. This product is not slack filled in accordance to chapter 4 prohibitions.

RoHS (The restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2004).

This product is RoHS compliant.

Section 16: Other Information

Definitions: N/a = not applicable, n/e = not established

Disclaimer: This material safety data sheet is provided as an information resource only. M.G. Chemicals believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to verify its validity. The buyer assumes all responsibility of using and handling the product in accordance with federal, state, and local regulations.