

Material Safety Data Sheet

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Section 1: Product Identification

MSDS Code: 8361-aerosol

Name: Label & adhesive remover

Related Part Numbers: 8361-140G

Use: For removing labels and adhesives

Section 2: Hazardous Ingredients

| CAS# | Chemical Name | Percentage by weight | ACGIH TWA | Osha PeI | Osha Stel |
|------------|-------------------------------|----------------------|-----------|----------|-----------|
| 64742-47-8 | Petroleum hydro treated light | 51-56 | N/E | N/E | N/E |
| 5989-27-5 | D-limonene | 16-20 | N/E | N/E | N/E |
| 811-97-2 | 1,1,1,2-tetrafluoroethane | 24-29 | 1000 ppm | N/E | N/E |

Section 3: Hazards Identification

NFPA Ratings: Health 2 Flammability 2 Reactivity 0

HMIS Ratings: Health 1 Flammability 1 Physical Hazard 0

Eyes: Vapors from this product are irritating to the eyes. Symptoms include stinging, tearing, redness and swelling of eyes. This product causes irritation, redness, and pain.

Skin: May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Inhalation: Breathing of vapor or mist is possible. Breathing small amount of this material during normal handling is not likely to cause harmful effects. Breathing large amount may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits.

Ingestion: Swallowing small amount of this material during normal handling is not likely to cause harmful effects. Swallowing large amount may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammations and other lung inquiry.

Chronic: N/A

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

Inhalation: If symptoms develop, individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet, seek immediate attention.

Ingestion: Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth, place individual on the left side with the head down. Contact a physician, medicals facility or poison center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Section 5: Fire Fighting Measures

Autoignition Temperature: 216 °C /421 °F **Flash Point:** 66 °C/ 150 °F, **LEL / UEL:** 1.3/8.1
Extinguishing Media: Foam, dry chemicals, water fog
General Information: Do not use near potential sources of ignition, open flame, hot surfaces and /or live electrical appliances. Containers may explode in the heat of a fire.

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 in water: Slightly | Evaporation Rate: < 0.3 (N-Butyl Acetate) |
| Boiling Point: 246 °C /475°F | Specific Gravity: 0.82 @21°C | Vapor Pressure: 74 PSI @21°C | Vapor Density: 5.3 (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: Strong oxidizing agents
Polymerization: Will not occur.
Decomposition: N/a

Section 11: Toxicological Information

Sensitization: (effects of repeated exposure) N/a
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)

N/A

Reproductive Toxicity: (risk of sterility)

N/A

Mutagenicity: (risk of heritable genetic effects)

N/A

Lethal Exposure Concentrations:

| | Ingestion (LD50): | Inhalation (LC50): | Skin (LD50): | Inhalation (TCLo): |
|------------------------------|--------------------------|--------------------------------|----------------------|-----------------------------------|
| Petroleum hydrotreated light | >8,000 mg/kg (Rat) | N/E | 4,000 mg/kg (Rabbit) | N/E |
| D-limonene | 4400 mg/kg (Rat) | N/E | >5000 gm/kg (Rabbit) | N/E |
| 1,1,1,2-tetrafluoroethane | N/E | 1500 gm/m ³ /4H Rat | N/E | 5000 ppm/6H/2Y (Intermittent) Rat |

Section 12: Ecological Information

General Information:

Volatile Organic Compounds, % by weight: 20%

Volatile Organic Compounds, grams per litre: 164 g/L

Section 13: Disposal Information

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

Section 14: Transportation Information

Ground: (all sizes 1 liter or less)

Consumer Commodity, ORM-D

Air:

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

Shipping name: Consumer Commodity ORM-D, ID/UN Number: ID8000, Hazard Class: 9

Sea:

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

Shipping name: Aerosols, flammable, in Limited Quantities, ID/UN Number: UN#1950, Hazard Class: 2.1

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.

Canada

DSL

All ingredients in this product are listed on the Domestic Substances list

Health Canada

Products produced by MG Chemicals intended for retail display conform to the Canadian Consumer Labeling regulations.

Industry and Science Canada

MG Labels products intended for the workshop to conform to WHMIS labeling regulations. Product identification, net quantity declaration, minimum printing type size heights, and packaging of this product is in compliance.

WHMIS

This product belongs to the following categories: **B3, D2B**

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.

USA

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)

No data 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.

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

This product does not contain any chemicals listed.

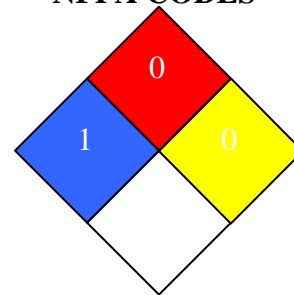
California Air Resource Board Consumer Products Regulations

This product complies with the Label and Adhesive remover category; 20% by weight.

HMIS RATING

| | |
|-----------------------------|---|
| HEALTH: | 1 |
| FLAMMABILITY: | 0 |
| PHYSICAL HAZARD: | 0 |
| PERSONAL PROTECTION: | |

NFPA CODES



Europe

RoHS

This product does not contain any lead, cadmium, mercury, hexavalent chromium, PBB's, or PBDE's, and complies with European RoHS Regulations.

WEEE

This product is not a piece of electrical or electronics equipment, and is therefore not governed by this regulation.

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.