

8329

AEROSOL

# Safety Data Sheet

## Section 1: Identification

### Product Identifier and Other Means of Identification

**Product Identifier:** 8329**Other means of Identification:** Epoxy Mold Release (Aerosol)**Related Part #** 8329-350G

### Recommended Use and Restriction on Use

**Use:** For preventing epoxies from sticking to molds**Uses Advised Against:** Not available

### Details of Manufacturer or Importer

**Manufacturer**MG Chemicals  
1210 Corporate Drive  
Burlington, Ontario L7L 5R6  
CANADAMG Chemicals (Head Office)  
9347-193 Street  
Surrey, British Columbia V4N 4E7  
CANADA**TEL** +1-800-340-0772**FAX** +1-800-340-0773**E-MAIL** [support@mgchemicals.com](mailto:support@mgchemicals.com)**WEB** [www.mgchemicals.com](http://www.mgchemicals.com)**TEL** +1-905-331-1396**FAX** +1-905-331-2682**E-MAIL** [info@mgchemicals.com](mailto:info@mgchemicals.com)**E-MAIL** (Competent Person): [sds@mgchemicals.com](mailto:sds@mgchemicals.com)

### Emergency Phone Number

**For hazardous material incidents ONLY** (leaks, spills, fires, exposures or accidents)USA or CANADA—Call Verisk 3E at **+1-866-519-4752** or **+1-760-476-3962**

(Service access code: 335388)

**For emergencies involving the transport of dangerous goods;** 24/7 serviceCANADA—Call CANUTEC collect at **+1-613-996-6666** or **\*666** on cellular phones

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**Section 2: Hazard(s) Identification**
**Classification of Hazardous Chemical**
**GHS Categories**

Criteria		Category	Signal Word	Pictograms
Flammable Aerosol		1	Danger	Flame
Gas Under Pressure	Liquefied gas	Liquefied gas	Warning	Gas Cylinder
Aspiration Hazard		1	Danger	Health
Skin Irritation		2	Warning	Exclamation
Specific Target Organ Toxicity	Single Exposure	3	Warning	Exclamation
Hazardous to the Aquatic Environment	Acute	1	Warning	Environment

*Note:* The degree of severity is ranked within each hazard class from 1 (Highest Severity) to up to 5 (Lowest Severity), which is opposite to HMIS and NFPA conventions. Severity category rankings do not allow comparisons between classes.

**Label Elements**

<b>Signal Word</b>	<b>DANGER</b>
<b>Pictograms</b>	<b>Hazard Statements</b>
	H222: Extremely flammable aerosol
	H280: Contains gas under pressure; may explode if heated
	H304: May be fatal if swallowed and enters airways

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Signal Word	DANGER
Pictograms	Hazard Statements
	H315: Causes skin irritation H336: May cause drowsiness or dizziness
	H400: Very toxic to aquatic life
Prevention	Precautionary Statements
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, flames, and other ignition sources. No Smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing mist, vapours, and spray.
P271	Use only outdoors or in a well-ventilated area.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves, eye protection, and face protection.
P273	Avoid release to the environment.
Response	Precautionary Statements
P302 + P352	IF ON SKIN: Wash with plenty water.
P332 + P313	If skin irritation occurs: Get medical advice or attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P304 + P340, P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P331	Do NOT induce vomiting.
P391	Collect spillage.

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<b>Storage</b>	<b>Precautionary Statements</b>
P410 + P412 + P403	Protect from sunlight. Do not expose to temperatures exceeding 50 °C [122 °F]. Store in a well-ventilated place.
P405	Store locked up.
<b>Disposal</b>	<b>Precautionary Statements</b>
P501	Dispose of container in accordance to local, regional, national, and international regulations.

### Hazards Not Otherwise Classified

<b>Other Criteria</b>	<b>Hazard Statements/Precautionary Statement</b>	<b>Signal Word</b>	<b>Pictograms</b>
Simple Asphyxiant	May displace oxygen and cause rapid suffocation.	Warning	None
Defats skin	Repeated exposure may cause skin dryness or cracking.	None	None

### Section 3 : Composition/Information on Ingredients

<b>CAS #</b>	<b>Chemical Name</b>	<b>%(weight)</b>
142-82-5	heptane	63%
74-98-6	propane	23%
75-28-5	isobutane	11%
64742-49-0	odorless mineral oil	3%

### Section 4: First-Aid Measures

<i>Exposure Condition</i>	<i>GHS Code/Symptoms/Precautionary Statements</i>
<b>IF ON SKIN</b>	P302 + P352, P332 + P313, P362 + P364
<b>Immediate Symptoms</b>	<i>dry skin, irritation</i>
<b>Response</b>	Wash with plenty water. If skin irritation occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse.

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<b>IF INHALED</b>	P304 + P340, P312
<b>Immediate Symptoms</b>	<i>dizziness, drowsiness, cough, headaches, or nausea</i>
<b>Response</b>	Remove person to fresh air and keep comfortable for breathing. If feeling unwell: Call a POISON CENTRE or doctor.
<b>IF SWALLOWED</b>	P301 +P310, P331
<b>Immediate Symptoms</b>	<i>nausea, sore throat, diarrhea, or vomiting</i>
<b>Response</b>	IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.
<b>IF IN EYES</b>	P305 + P351+ P338, P337 + P313
<b>Immediate Symptoms</b>	<i>mild irritation, redness, pain</i>
<b>Response</b>	Rinse cautiously with water for 15 minutes or more. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

### Section 5: Fire-Fighting Measures

<b>Extinguishing Media</b>	In case of fire: Use dry chemical, carbon dioxide, chemical foam, or water spray to extinguish.  Use water spray to cool containers.
<b>Specific Hazards</b>	Aerosol container may erupt with force at temperatures above 50 °C [122 °F].  The vapors are heavier than air and may accumulate in low-lying areas. Vapors may travel long distances and ignite at an ignition source, which can cause a flashback or an explosion.
<b>Combustion Products</b>	Produces carbon oxides (CO, CO <sub>2</sub> ).
<b>Fire-Fighter</b>	Wear self-contained breathing apparatus and full fire-fighting turn-out gear.

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**Section 6: Accidental Release Measures**

<b>Personal Protection</b>	Use personal protection recommended in Section 8.
<b>Precautions for Response</b>	Avoid breathing the mist, spray, and vapors. Remove or keep away all sources of extreme heat or open flames.
<b>Environmental Precautions</b>	Avoid releasing to the environment. Prevent spill from entering drains and waterways.
<b>Containment Methods</b>	Not applicable
<b>Cleaning Methods</b>	Collect liquid in a sealable, solvent-resistant container. Sprinkle inert absorbent compound onto spill, then sweep into the container. Wash spill area with soap and water to remove the last traces of residue.
<b>Disposal Methods</b>	Dispose of spill waste according to Section 13.

**Section 7: Handling and Storage**

<b>Prevention</b>	Keep out of reach of children. Keep away from heat, hot surfaces, sparks, flames, and other ignition sources. No Smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid breathing mist, vapours, and spray.
<b>Handling</b>	Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling. Avoid release to the environment.
<b>Storage</b>	Protect from sunlight. Do not expose to temperatures exceeding 50 °C [122 °F]. Store in a well-ventilated place. Store locked up.

**Section 8: Exposure Controls/Personal Protection**
**Substances with Occupational Exposure Limit Values**

<b>Chemical Name</b>	<b>Country</b>	<b>Long Term Exposure Limits (PEL)</b>	<b>Short Term Exposure Limits (STEL)</b>
heptane	ACGIH U.S.A. OSHA PEL Canada AB Canada BC Canada ON Canada QC	400 ppm 500 ppm 400 ppm 400 ppm 400 ppm 400 ppm	500 ppm Not established 500 ppm 500 ppm 500 ppm 500 ppm
propane	ACGIH U.S.A. OSHA PEL Canada AB Canada BC Canada ON Canada QC	See footnote a) 1000 ppm 1000 ppm 1000 ppm 1000 ppm 1000 ppm	Not established Not established Not established Not established Not established Not established
isobutane <i>alkane (C2-C4)</i> <i>aliphatic hydrocarbon</i> <i>gas</i>	ACGIH U.S.A. OSHA PEL Canada AB  Canada BC Canada ON Canada QC	See footnote a) Not established 1 000 ppm  1 000 ppm 800 ppm Not established	Not established Not established Not established  Not established Not established Not established
odorless mineral oil	ACGIH U.S.A. OSHA PEL Canada AB Canada BC Canada ON Canada QC	See hexane PEL See hexane PEL See hexane PEL See hexane PEL See hexane PEL See hexane PEL	Not established Not established Not established Not established Not established Not established

*Note:* Ingredients are listed in descending weight contribution order (from greatest to least). The ACGIH<sup>1</sup>, OSHA (Table Z-1), and Canadian provinces exposure limits were consulted. Limits from the RTECS<sup>2</sup> database and from supplier's (M)SDS were also consulted. Short term exposure limits (STEL) are for 15 min and long term permissible exposure limits (PEL) for 8 h.

a) Refer to the ACGIH Appendix F: Minimum Oxygen Content for Asphyxia TLV Basis

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### Engineering Controls

**Ventilation** Keep airborne concentrations below the occupational exposure limits (OEL).

### Personal Protective Equipment

**Eye protection** Wear appropriate protective eyeglasses or chemical safety goggles.

**RECOMMENDATION:** Use safety glasses with lateral protection (side shields).

**Skin Protection** Use of protective gloves chemically resistant gloves if skin contact is likely.

For incidental exposure, you may use nitrile gloves.

**Respiratory Protection** For over-exposures up to 10 x OEL of mist/vapors/spray, wear respirator such as a half-mask respirator with organic vapor cartridges.

Above 10 x OEL, use a positive-pressure, air-supplied respirator or a self-contained breathing apparatus.

**RECOMMENDATION:** Consult your local safety supply store to ensure that your respirator has a NIOSH (U.S.) approved filter cartridges appropriate for the ingredients listed in Section 3. The respirator should be fitted to the employee by a professional. Ensure vapor cartridges are stored in sealed plastic bags when not being used.

### General Hygiene Considerations

Wash hands thoroughly with water and soap after handling.

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**Section 9: Physical and Chemical Properties**

<b>Physical State</b>	Liquid, aerosol format	<b>Lower Flammability Limit</b>	0.5%
<b>Appearance</b>	Colorless	<b>Upper Flammability Limit</b>	9.5%
<b>Odor</b>	Hydrocarbon	<b>Vapor Pressure @20 °C</b>	448-551 kPa [65-80 psi]
<b>Odor Threshold</b>	Not available	<b>Vapor Density</b>	>1 (Air =1)
<b>pH</b>	Not available	<b>Relative Density @25 °C</b>	0.7
<b>Freezing/Melting Point</b>	Not available	<b>Solubility in Water</b>	Negligible
<b>Initial Boiling Point</b>	205 °C [401 °F]	<b>Partition Coefficient n-octanol/water</b>	Not available
<b>Flash Point</b>	-7 °C [19.4 °F]	<b>Auto-ignition Temperature</b>	Not available
<b>Evaporation Rate</b>	>1 (Ether =1)	<b>Decomposition Temperature</b>	Not available
<b>Flammability</b>	Extremely Flammable	<b>Viscosity @40 °C</b>	<20.5 mm <sup>2</sup> /s

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	Not available.
<b>Chemical Stability</b>	Chemically stable at normal temperatures and pressures
<b>Conditions to Avoid</b>	Temperatures above 50 °C [122 °F], open flames, and incompatible substances
<b>Incompatibilities</b>	Strong oxidizing agents and strong acids
<b>Polymerization</b>	Will not occur
<b>Decomposition</b>	Will not decompose under normal conditions. For thermal decomposition, see combustion products in Section 5.

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**Section 11: Toxicological Information**
**Summary of Effects and Symptoms by Routes of Exposure**

<b>Eyes</b>	May cause mild irritation, redness, or pain.
<b>Skin</b>	May cause dry skin and irritation.
<b>Inhalation</b>	May cause dizziness, drowsiness, cough, headaches, or nausea.
<b>Ingestion</b>	May cause nausea, sore throat, diarrhea, or vomiting (see inhalation symptoms).
<b>Chronic</b>	Prolonged or repeated exposure may cause skin dryness, cracking, as well as defatting the skin.

**Acute Toxicity (Lethal Exposure Concentrations)**

<b>Chemical Name</b>	<b>LD50 oral</b>	<b>LD50 dermal</b>	<b>LC50 inhalation</b>
heptane	≥5 000 mg/kg Rat <sup>a)</sup>	≥2 000 mg/kg Rabbit <sup>a)</sup>	103 mg/L Rat 4 h
propane	Not applicable	Not applicable	>800 000 ppm Rat 4 h
isobutane	Not applicable	Not applicable	>570 000 ppm Rat 4 h
odorless mineral oil	≥5 000 mg/kg Rat	≥2 000 mg/kg Rabbit	Not available

*Note:* Limits from by RTECS<sup>2</sup> and ECHA databases were consulted. Data from suppliers' SDS were also consulted.

a) Toxicity values from key ECHA registrant studies

**Other Toxicological Effects**

<b>Skin corrosion/irritation</b>	Heptane and odorless mineral spirit causes skin irritation.
<b>Serious eye damage/irritation</b>	Based on available data, the classification criteria are not met.
<b>Sensitization</b> (allergic reactions)	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b> (risk of cancer)	None of the ingredients are classified or listed as a carcinogen by IARC, ACGIH, CA Prop 65, or NTP

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<b>Mutagenicity</b> (risk of heritable genetic effects)	Based on available data, the classification criteria are not met.
<b>Reproductive Toxicity</b> (risk to sex functions)	Based on available data, the classification criteria are not met.
<b>Teratogenicity</b> (risk of fetus malformation)	Based on available data, the classification criteria are not met.
<b>STOT-single exposure</b>	Heptane and odorless mineral spirit can affect the central nervous system by inhalation causing drowsiness or dizziness.
<b>STOT-repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Mixture containing more than 10% Class 1 aspiration toxicant and having a viscosity <20.5 mm <sup>2</sup> /s.

## Section 12: Ecological Information

Ecological classifications are based on the IMDG/GHS criteria in conjunction with ecotoxicological data from our suppliers, the European Chemical Agency database (<http://echa.europa.eu>), and other reliable sources.

The odorless mineral spirit component is classified as chronic category 2 environmental toxicant.

The heptane component is an acute category 1 aquatic toxicant (with minimal LC50 96 h of 4 mg/L for *Carassius auratus* (gold fish); EC 50 48 h 13 500 mg/L *Daphnia magna* (water flea)).

Propane and Isobutane do not meet classification criteria for aquatic environmental toxicants.

### Acute Ecotoxicity

Category 1

Very toxic to aquatic life

### Chronic Ecotoxicity

Available toxicity data does not meet classification thresholds

### Biodegradability

Not available

### Other Effects

Not available

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**Section 13: Disposal Information**

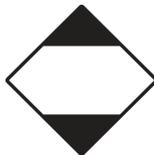
Dispose of contents in accordance with all local, regional, national, and international regulations.

**Section 14: Transport Information**

**Ground**

**Refer to TDG regulations** (Canadian Transportation of Dangerous Goods regulations); **USA DOT 49 CFR** (Parts 100 to 185) **Regulations.**

Sizes 1 L and under  
**Limited Quantity**



**Air**

**Refer to ICAO-IATA Dangerous Goods Regulations.**

Sizes 1 L and under  
**Limited Quantity**

See package instruction Y203

Max Net Qty/Pkg 30 kg G



*FOR REFERENCE ONLY*

**UN number:** UN1950

**Shipping Name:** AEROSOLS, flammable

**Class:** 2.1

**Packing Group:** Not applicable

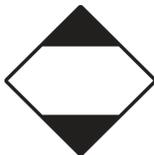
**Marine Pollutant:** Yes

**Sea**

**Refer to IMDG regulations.**

Sizes 1 L and under  
**Limited Quantity**

See special provision SP277



*FOR REFERENCE ONLY*

**UN number:** UN1950

**Shipping Name:** AEROSOLS, flammable

**Class:** 2.1

**Packing Group:** Not applicable

**Marine Pollutant:** Yes

**Note: Shipper must be appropriately trained and certified before involvement with the transport of dangerous goods.**

**Section 15: Regulatory Information****Canada****Domestic Substance List (DSL) / Non-Domestic Substance Lists (NDSL)**

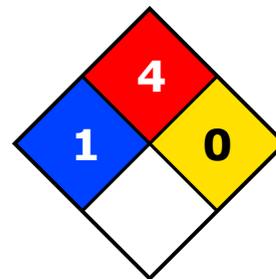
All hazardous ingredients are listed on the DSL/NDSL.

**Hazardous Products Act (R.S.C., 1985, c. H-3)**

The safety data sheet and label comply with the Hazardous Product Act and WHMIS 2015.

**USA****Other Classifications****HMIS® RATING**

<b>HEALTH:</b>	<b>1</b>
<b>FLAMMABILITY:</b>	<b>4</b>
<b>PHYSICAL HAZARD:</b>	<b>0</b>
<b>PERSONAL PROTECTION:</b>	

**NFPA® 704 CODES**

*Approximate HMIS and NFPA Risk Ratings Legend:*

0 (Low or none); 1 (Slight); 2 (Moderate); 3 (Serious); 4 (Severe)

**CAA** (Clean Air Act, USA)

This product does not contain any class 1 ozone depleting substances.

This product does not contain any class 2 ozone depleting substances.

This product does not contain substances that are listed as hazardous air pollutants.

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

This product does not contain any chemicals 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 known to cause cancer or reproductive toxicity, USA).

This product does not contain any listed substances in California.

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**Europe****RoHS** (Restriction of Hazardous Substances Directive)

This product does not contain any lead, cadmium, mercury, hexavalent chromium, PBB's, PBDE's, DEHP, BBP, DBP, or DIBP and complies with European RoHS regulations.

**WEEE** (Waste Electrical and Electronic Equipment Directive)

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

**Section 16: Other Information****SDS Prepared by** MG Chemicals' Regulatory Department**Date of Review** 04 July 2022**Supersedes** 09 March 2020**Reason for Changes:** Update to section 2, Hazards Not Otherwise Classified**Reference**

1) ACGIH 2017 TLVs and BEIs: Based on the documentation of the threshold limit values for chemical substances and physical agents & biological exposure indices, American Conference of Governmental of Industrial Hygienist Cincinnati, OH (2017).

2) All toxicological data were checked against the RTECS (Registry of Toxic Effects of Chemical Substances®)

**Abbreviations**

ACGIH	American Conference of Governmental Industrial Hygienists (USA)
EC50	Half maximal effective concentration
EL50	Half maximal effective loading
NOELR	No observable effect loading ratio
GHS	Globally Harmonized System of Classification of Labeling of Chemicals
LC50	Lethal Concentration 50%
LCLo	Lowest published lethal concentration
LD50	Lethal Dose 50%
PEL	Permissible Exposure Limit
STEL	Short-Term Exposure Limit
TCLo	Lowest published toxic concentration
TWA	Time Weighted Average
VOC	Volatile Organic Content

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**Technical Queries** Contact us regarding any questions, improvement suggestions, or problems with this product. Application notes, instructions, and FAQs are located at [www.mgchemicals.com](http://www.mgchemicals.com).

Email: [support@mgchemicals.com](mailto:support@mgchemicals.com)

**Mailing Addresses** *Manufacturing & Support*  
1210 Corporate Drive  
Burlington, Ontario, Canada  
L7L 5R6

*Head Office*  
9347-193rd Street  
Surrey, British Columbia, Canada  
V4N 4E7

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