



Quality System Certified to ISO 9001:2008

SAI Global File #004008

Burlington, Ontario, Canada

8329-AEROSOL

EPOXY MOLD RELEASE

# Safety Data Sheet

## Section 1: Identification

### Product Identifier and Other Means of Identification

**Product Name:** Epoxy Mold Release

**Other means of identification:** Not applicable

**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  
CANADA

MG Chemicals (Head Office)  
9347-193 Street  
Surrey, British Columbia V4N 4E7  
CANADA

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**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 CHEMTREC at **+1-800-424-9300**





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

**8329-AEROSOL****EPOXY MOLD RELEASE****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**

|   |   |
|---|---|
| Signal Word   | <b>DANGER</b>   |
| Pictograms  | <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                      |
|  | H315: Causes skin irritation<br>H336: May cause drowsiness or dizziness |

*Section continued on the next page*

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| Signal Word   | <b>DANGER</b>  |
|---|--|
| Pictograms  | Hazard Statements  |
|  | 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/spray.  |
| P271  | Use only outdoors or in a well-ventilated area.  |
| P264  | Wash hands thoroughly after handling.  |
| P280  | Wear protective gloves/eye protection/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/attention.   |
| P362 + P364   | Take off contaminated clothing and wash it before reuse.   |
| P304 + P340,<br>P312  | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. |
| P301 + P310   | IF SWALLOWED: Immediately call a POISON CENTER/doctor.   |
| P331  | Do NOT induce vomiting.  |
| P391  | Collect spillage.  |
| Storage   | Precautionary Statements   |
| P410 + P412 +<br>P403   | Protect from sunlight. Do not expose to temperatures exceeding 50 °C [122 °F]. Store in well-ventilated place.             |
| P405  | Store locked up.   |

*Section continued on the next page*

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Continued...

| Disposal | Precautionary Statements   |
|----------|--|
| P501     | Dispose of contents/container in accordance to local/regional/international regulations. |

### Hazards Not Otherwise Classified

| Other Criteria | Hazard Statements/Precautionary Statement             | Signal Word | Pictograms |
|----------------|---|-------------|------------|
| Defats skin    | Repeated exposure may cause skin dryness or cracking. | None        | None       |

### Section 3: Composition/Information on Ingredients

| CAS #      | Chemical Name        | % (weight) |
|------------|----------------------|------------|
| 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

| Exposure Condition        | GHS Code/Symptoms/Precautionary Statements  |
|---------------------------|---|
| <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.<br>If skin irritation occurs: Get medical advice/attention.<br>Take off contaminated clothing and wash it before reuse. |
| <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.<br>If feeling unwell: Call a POISON CENTRE/doctor.                               |

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|                           |  |
|---------------------------|--|
| <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/doctor.<br>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.<br>If eye irritation persists: Get medical advice/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.<br><br>Use water spray to cool containers.   |
| <b>Specific Hazards</b>    | Aerosol container may erupt with force at temperatures above 50 °C [122 °F].<br><br>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.  |

**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/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   |

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**Cleaning Methods** 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.

**Disposal Methods** Dispose of spill waste according to Section 13.

**Section 7: Handling and Storage**

**Prevention** 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/spray.

**Handling** Use only outdoors or in a well-ventilated area.  
Wear protective gloves/clothing/eye protection.  
Wash hands thoroughly after handling.  
Avoid release to the environment.

**Storage** Protect from sunlight. Do not expose to temperatures exceeding 50 °C [122 °F]. Store in well-ventilated place.  
Store locked up.

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

| Chemical Name | Country         | Long Term Exposure Limits (PEL) | Short Term Exposure Limits (STEL) |
|---------------|-----------------|---------------------------------|-----------------------------------|
| heptane       | ACGIH           | 400 ppm                         | 500 ppm                           |
|               | U.S.A. OSHA PEL | 500 ppm                         | Not established                   |
|               | Canada AB       | 400 ppm                         | 500 ppm                           |
|               | Canada BC       | 400 ppm                         | 500 ppm                           |
|               | Canada ON       | 400 ppm                         | 500 ppm                           |
|               | Canada QC       | 400 ppm                         | 500 ppm                           |

*Section continued on the next page*

**8329-AEROSOL****EPOXY MOLD RELEASE***Continued...*

| Chemical Name        | Country         | Long Term Exposure Limits (PEL) | Short Term Exposure Limits (STEL) |
|----------------------|-----------------|---------------------------------|-----------------------------------|
| propane              | ACGIH           | See footnote a)                 | Not established                   |
|                      | U.S.A. OSHA PEL | 1000 ppm                        | Not established                   |
|                      | Canada AB       | 1000 ppm                        | Not established                   |
|                      | Canada BC       | 1000 ppm                        | Not established                   |
|                      | Canada ON       | 1000 ppm                        | Not established                   |
|                      | Canada QC       | 1000 ppm                        | Not established                   |
| isobutane            | ACGIH           | Not established                 | Not established                   |
|                      | U.S.A. OSHA PEL | Not established                 | Not established                   |
|                      | Canada AB       | Not established                 | Not established                   |
|                      | Canada BC       | Not established                 | Not established                   |
|                      | Canada ON       | 1000 ppm                        | Not established                   |
|                      | Canada QC       | Not established                 | Not established                   |
| odorless mineral oil | ACGIH           | See hexane PEL                  | Not established                   |
|                      | U.S.A. OSHA PEL | See hexane PEL                  | Not established                   |
|                      | Canada AB       | See hexane PEL                  | Not established                   |
|                      | Canada BC       | See hexane PEL                  | Not established                   |
|                      | Canada ON       | See hexane PEL                  | Not established                   |
|                      | Canada QC       | See hexane PEL                  | 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

**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.

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**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.

**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>Specific Gravity @25 °C</b>   | 0.7                      |
| <b>Freezing/Melting Point</b>    | Not available          | <b>Solubility in Water</b>       | Negligible               |
| <b>Boiling Point</b>             | 205 °C [401 °F]        | <b>Partition Coefficient</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 (solid, gas)</b> | Not available          | <b>Viscosity @40 °C</b>          | <20.5 mm <sup>2</sup> /s |



**8329-AEROSOL****EPOXY MOLD RELEASE****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. |

**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<br>Rat <sup>a)</sup> | ≥2 000 mg/kg<br>Rabbit <sup>a)</sup> | 103 mg/L<br>Rat 4 h     |
| propane              | Not<br>Applicable                 | Not<br>Applicable                    | >800 000 ppm<br>Rat 4 h |
| isobutane            | Not<br>applicable                 | Not<br>applicable                    | >570 000 ppm<br>Rat 4 h |
| odorless mineral oil | ≥5 000 mg/kg<br>Rat               | ≥2 000 mg/kg<br>Rabbit               | Not<br>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

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**8329-AEROSOL****EPOXY MOLD RELEASE****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><br>(allergic reactions)               | Based on available data, the classification criteria are not met.  |
| <b>Carcinogenicity</b><br>(risk of cancer)                 | None of the ingredients are classified or listed as a carcinogen by IARC, ACGIH, CA Prop 65, or NTP                      |
| <b>Mutagenicity</b><br>(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.

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**8329-AEROSOL****EPOXY MOLD RELEASE****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

**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***Section continued on the next page*

**8329-AEROSOL**
**EPOXY MOLD RELEASE**
**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


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



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.

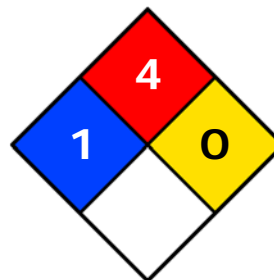
**Hazardous Products Act (R.S.C., 1985, c. H-3)**

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

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**8329-AEROSOL****EPOXY MOLD RELEASE****USA****Other Classifications****HMIS<sup>®</sup> 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<sup>®</sup> 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.

**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

**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.

**8329-AEROSOL****EPOXY MOLD RELEASE****Section 16: Other Information****SDS Prepared by** Regulatory Department**Date of Review** 16 May 2018**Supersedes** 18 November 2015**Reason for Changes:** Changes to better meet HCS 2012 and WHMIS 2015 information requirements.**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  |

**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)

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*Head Office*  
9347-193rd Street  
Surrey, British Columbia, Canada  
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**8329-AEROSOL****EPOXY MOLD RELEASE**

**Disclaimer** This material safety data sheet is provided as an information resource only. *M.G. Chemicals, Ltd.* believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to query and verify any information seeming suspect where doubt on the validity may exist. The buyer assumes all responsibility of using and handling the product in accordance with local, regional, national, and international regulations.