

SAI Global File #004008

Burlington, Ontario, Canada

# 4860P

# SN63PB37 No CLEAN SOLDER PASTE

# Safety Data Sheet

# **Section 1: Identification**

# **Product Identifier and Other Means of Identification**

**Product Identifier: 4860P** 

Other Means of Identification: Sn63Pb37 No Clean Solder Paste

Related Part # 4860P-35G, 4860P-250G, 4860P-500G

# Recommended Use and Restriction on Use

**Use:** Solder paste

**Uses Advised Against:** Do not use brazing soldering methods such as high temperature

torch soldering or torch welding.

Do NOT use to make joints and fittings in private or public potable water supplies (prohibited by the Federal Hazardous Substance Act).

# **Details of Manufacturer or Importer**

#### Manufacturer

MG Chemicals 1210 Corporate Drive Burlington, Ontario L7L 5R6 CANADA

+1-800-340-0772 Fax +1-800-340-0773 E-mail support@mgchemicals.com Web www.mgchemicals.com

MG Chemicals (Head Office) 9347-193 Street

Surrey, British Columbia V4N 4E7 CANADA

+1-905-331-1396 +1-905-331-2682 Fax E-mail info@mgchemicals.com

**E-MAIL** (Competent Person): 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 service CANADA—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<br>Word | Pictograms  |
|--------------------------------------|-------------------|------------|----------------|-------------|
| Specific Target Organ Toxicity       | Repeated Exposure | 1          | Danger         | Health      |
| Reproductive Toxicity                |                   | 1          | Danger         | Health      |
| Carcinogenicity                      |                   | 2          | Warning        | Health      |
| Eye Irritation                       |                   | 2A         | Warning        | Exclamation |
| Hazardous to the Aquatic Environment | Chronic           | 1          | Warning        | Environment |
| Lactation Effect                     |                   | additional | none           | none        |

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 | DANGER  |
|-------------|---|
| Pictograms  | Hazard Statements   |
|             | H372: Causes damage to central nervous system, blood and kidneys through prolonged or repeated exposure |
|             | H360: May damage fertility or the unborn child  |
|             | H351: Suspected of causing cancer   |
|             | H319: Causes serious eye irritation   |
| ***         | H410: Very toxic to aquatic life with long lasting effects  |

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| Pictograms            | Hazard Statements  |  |
|-----------------------|--|--|
| No symbol             | H362: May cause harm to breast-fed children  |  |
| Prevention            | Precautionary Statements   |  |
| P102                  | Keep out of reach of children.   |  |
| P201, P202            | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.                |  |
| P263                  | Avoid contact during pregnancy and while nursing.  |  |
| P260                  | Do not breathe vapors or fumes.  |  |
| P264                  | Wash hands thoroughly after handling.  |  |
| P280                  | Wear protective gloves, eye protection, and protective clothing.   |  |
| P270                  | Do not eat, drink or smoke when using this product.  |  |
| P273                  | Avoid release to the environment.  |  |
| Response              | Precautionary Statements   |  |
| P305 + P351 +<br>P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |  |
| P337 + P313           | If eye irritation persists: Get medical attention or advice.   |  |
| P308 + P313           | IF exposed or concerned: Get medical advice or attention.  |  |
| P314                  | Get medical advice or attention if you feel unwell.  |  |
| P391                  | Collect Spillage   |  |
| Storage               | Precautionary Statements   |  |
| P405                  | Store locked up.   |  |
| Disposal              | Precautionary Statements   |  |
| P501                  | Dispose of contents in accordance to local, regional, national and international regulations.                                    |  |

# **Hazards Not Otherwise Classified**

| Other Criteria          | Hazard Statements/Precautionary Statement  | Signal<br>Word | Pictograms |
|-------------------------|--|----------------|------------|
| Child proofing measures | Contains lead. Should not be used on surfaces liable to be chewed or sucked by children. | None           | None       |

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# Section 3: Composition/Information on IngredientsCAS #Chemical Name%(weight)7440-31-5tin (powder)55-55.9%

7439-92-1 lead (powder) 32.1–33.0% 143-22-6 2-(2-butoxyethoxy)ethoxy)ethanol <2%

# **Section 4: First-Aid Measures**

| Exposure Condition | GHS Code/Symptoms/Precautionary Statements   |  |  |
|--------------------|--|--|--|
| IF IN EYES         | P305 + P351 + P338, P337 + P313  |  |  |
| Immediate Symptoms | irritation, redness, pain  |  |  |
| Response           | Rinse cautiously with water for 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.                                  |  |  |
|                    | If eye irritation persists: Get medical advice or attention.   |  |  |
| IF INHALED         | P304 + P340, P308 + P313   |  |  |
| Immediate Symptoms | cough, irritation of the respiratory track (in extreme exposure cases: metallic taste, nausea, vomiting, and muscle cramps)                      |  |  |
| Response           | Remove person to fresh air and keep comfortable for breathing.   |  |  |
|                    | If exposed or concerned: Get medical advice or attention.  |  |  |
| IF ON SKIN         | P302 + P352, P362 + P364, P332 + P313  |  |  |
| Immediate Symptoms | low toxicity: mild irritation  |  |  |
| Response           | Wash with plenty of water. Take off contaminated clothing and wash it before reuse.  If skin irritation occurs: Get medical advice or attention. |  |  |

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IF SWALLOWEDP301 + P330, P308 + P313Immediate Symptomsabdominal pain, nausea, headaches, vomiting, metallic taste, and muscle crampsDelayed SymptomsDevelopmental delays, high blood pressure, anemia, memory lossResponseRinse mouth.If feeling unwell or concerned: Get medical advice or

**Section 5: Fire-Fighting Measures** 

**Extinguishing Media** In case of fire: Use extinguish media suitable for surrounding.

In presence of molten metal, do NOT use water on fires.

**Specific Hazards** Not flammable or combustible, but burns if involved in a fire.

In a fire, this product can release metal oxide fumes and

irritation flux fumes.

attention.

Toxic for aquatic environment: Prevent fire-fighting wash from

entering waterway or sewer system.

**Combustion Products** Produces CO and  $CO_2$ , oxides  $(SnO_x)$ , lead oxides  $(PbO_x)$ .

**Fire-Fighter** Wear self-contained breathing apparatus and full fire-fighting

turn-out gear.

#### Section 6: Accidental Release Measures

**Personal Protection** See personal protection equipment in Section 8.

Precautions for

Response

Do not breathe vapors or fumes.

**Environmental Precautions** 

Avoid release to the environment. Prevent spill from entering

drains and waterways. Do not flush to sewer.

**Containment Methods** 

None required—this product is not readily flowable.

**Cleaning Methods** 

Collect paste in a sealable waste container. Sprinkle inert

absorbent compound onto spill, then sweep into the

container. Wipe up further residue with paper towel and place dirty towels in container. Wash spill area with soap and water

to remove the last traces of residue.

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

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# Section 7: Handling and Storage

**Prevention** Keep out of reach of children.

Obtain special instructions before use. Do not handle until all

safety precautions have been read and understood.

To prevent the formation of exposure to lead vapors, do not use

soldering methods that exceed a 450 °C [842 °F].

Do not breathe fumes or vapors.

Do not eat, drink, or smoke when using this product. Remove contaminated clothing and protective equipment before entering

eating areas.

Avoid contact during pregnancy and while nursing.

**Handling** Avoid release to the environment. Collect spillage.

Wear protective gloves, protective clothing, and eye protection.

Take off contaminated clothing and wash it before reuse. Contaminated clothing should not be allowed out of the

workplace.

Wash hands thoroughly after handling.

**Storage** Store locked up.



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# **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)   |
|---------------|---|--|---|
| tin           | ACGIH U.S.A. OSHA PEL Canada AB Canada BC Canada ON Canada QC | 2 mg/m <sup>3</sup><br>2 mg/m <sup>3</sup><br>2 mg/m <sup>3</sup><br>2 mg/m <sup>3</sup><br>2 mg/m <sup>3</sup><br>2 mg/m <sup>3</sup>                   | Not established |
| lead          | ACGIH U.S.A. OSHA PEL Canada AB Canada BC Canada ON Canada QC | 0.05 mg/m <sup>3</sup><br>0.05 mg/m <sup>3</sup><br>0.05 mg/m <sup>3</sup><br>0.05 mg/m <sup>3</sup><br>0.05 mg/m <sup>3</sup><br>0.15 mg/m <sup>3</sup> | Not established<br>Not established<br>Not established<br>Not established<br>Not established                     |

Note: Ingredients are listed in descending weight contribution order (from greatest to least). The ACGIH¹, OSHA, and Canadian provinces exposure limits were consulted. Limits from the RTECS database² and from suppliers' SDS were also consulted. Short term exposure limits (STEL) are for 15 min and long term permissible exposure limits (PEL) for 8 h.

# **Engineering Controls**

#### Ventilation

Keep airborne concentrations below exposure limits.

Soft soldering temperatures (<450 °C) are generally too low to generate significant amounts of metal vapors, but dust, metal oxide, or flux decomposition fumes can occur.

**RECOMMENDATION:** For frequent or prolonged soldering processes, use of a local exhaust system to avoid exposure to thermal decomposition products. Reflow oven are typically vented outside or use a specially designed filtered recirculation system.

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# **Personal Protective Equipment**

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

goggles.

**RECOMMENDATION:** Ensure that glasses have side shields for

lateral protection.

**Skin Protection** For incidental contacts, use disposable nitrile, neoprene, PVC

gloves, or other chemically resistant gloves.

If contact with molten metal is likely, wear thermally resistant

gloves.

**Respiratory Protection** If exposed to vapors or dust above the exposure limit, a

suitable wear respirator meeting local, regional, and national

guidelines.

Generally, for emergencies and exposure above 0.5 mg/m<sup>3</sup>, use a self-contained breathing apparatus with full face piece

operated in a pressure positive mode.

**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**

| Physical State                          | Solid                | Lower Flammability<br>Limit           | Not<br>available              |
|---|----------------------|---------------------------------------|-------------------------------|
| Appearance                              | Paste,               | Upper Flammability                    | Not                           |
|   | metallic grey        | Limit                                 | available                     |
| Odor                                    | Mild                 | Vapor Pressure<br>@20 °C              | Not<br>available              |
| Odor Threshold                          | Not<br>available     | Vapor Density                         | Not<br>available              |
| pH                                      | Not                  | Relative Density                      | Not                           |
|   | available            | @25 °C                                | available                     |
| Freezing/Melting<br>Point <sup>a)</sup> | ≥98.3 °C<br>[209 °F] | Solubility in Water <sup>c)</sup>     | Slightly soluble flux mixture |
| Initial Boiling                         | ≥300 °C              | Partition Coefficient n-octanol/water | Not                           |
| Point <sup>a)</sup>                     | [≥572 °F]            |                                       | available                     |
| Flash Point b)                          | 98.3 °C              | Auto-ignition                         | Not                           |
|   | [209 °F]             | Temperature                           | available                     |
| Evaporation                             | Not                  | Decomposition                         | Not                           |
| Rate                                    | available            | Temperature                           | available                     |
| Flammability                            | Non<br>Flammable     | Viscosity<br>@40 °C                   | >20.5 mm <sup>2</sup> /s      |

a) Lowest literature value for organic solvent component

b) Based on organic solvent component

c) Metal components are sparingly soluble



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# **Section 10: Stability and Reactivity**

**Reactivity** Tin may react violently in presence of disulfur dichloride and iodine

bromide.

Chemical Stability

Chemically stable at normal temperatures and pressures

Conditions to Avoid Extreme temperatures above 450 °C [842 °F], such as those due to

welding.

**Incompatibilities** Oxidizing agents, strong acids

Polymerization Will not occur

**Decomposition** 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

**Eyes** Causes serious eye irritation.

**Skin** Low toxicity: may cause skin irritation.

**Inhalation** May cause coughing and irritation of the respiratory track.

Overexposure to dust or metal fumes may lead to pneumoconiosis

(or Stannosis), anemia, and central nervous system effects.

**Ingestion** May cause abdominal pain, headache, nausea, vomiting or

muscular pain (see chronic effects).

**Chronic** Prolonged and repeated exposure to lead may cause

hemeatological effects, high blood pressure, and adverse central and peripheral nervous systems effects. Symptoms of lead poisoning include metallic taste, colic, nausea, vomiting, and

muscle cramps.

Ingestion or inhalation have fertility, developmental, and lactation

effects.

Overexposure to dust or metal fumes may lead to pneumoconiosis

(or Stannosis), anemia and central nervous system effects.

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# **Acute Toxicity (Lethal Exposure Concentrations)**

| Chemical Name                        | LD50         | LD50         | LC50                   |
|--------------------------------------|--------------|--------------|------------------------|
|                                      | oral         | dermal       | inhalation             |
| tin                                  | >2 000 mg/kg | >2 000 mg/kg | 4.75 mg/m³             |
|                                      | Rat          | Rabbit       | Rat 4 h                |
| lead                                 | >2 000 mg/kg | >2 000 mg/kg | 5.05 mg/m <sup>3</sup> |
|                                      | Rat          | Rat          | Rat 4 h                |
| 2-(2-(2-butoxyethoxy) ethoxy)ethanol | 3 540 mg/kg  | 2 505 mg/kg  | Not                    |
|                                      | Rat          | Rabbit       | available              |

*Note:* Toxicity data from the RTECS<sup>2</sup> and ECHA databases were consulted. The data from supplier SDSs were also consulted.

# **Other Toxicological Effects**

**Teratogenicity** 

(risk of fetus malformation)

| Other Toxicological Effects                            |  |
|--|--|
| Skin corrosion/irritation                              | Based on available data, the classification criteria are not met.                |
| Serious eye damage/irritation                          | Causes serious eye irritation. Metal powder is mechanically abrasive.            |
| <b>Sensitization</b> (allergic reactions)              | Based on available data, the classification criteria are not met.                |
| Carcinogenicity<br>(risk of cancer)                    | Carcinogen based on animal studies and North American guidelines and regulation. |
|  | Lead [CAS# 7439-92-1]  |
|  | IARC (Supl. 7, 1987) Group 2B: Possibly carcinogenic to humans                   |
|  | ACGIH A3: Confirmed animal carcinogen with unknown relevance to human            |
|  | CA Prop 65: Listed as a carcinogen   |
|  | NTP (2011 Report): Reasonably anticipated to be a human carcinogen               |
| Mutagenicity<br>(risk of heritable genetic<br>effects) | Based on available data, the classification criteria are not met.                |
| Reproductive Toxicity (risk to sex functions)          | Lead is believed to decrease fertility in males and females.                     |

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Lead present a reproductive and developmental hazard

based on epidemiological and animal studies.

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**STOT-single exposure** Based on available data, the classification criteria are not

met.

STOT-repeated exposure Epidemiological and animal studies confirmed

neurodevelopmental, neurodegenerative, peripheral nervous system, haematological, cardiovascular, kidney

and renal effects.

**Aspiration hazard** Not applicable. This product doesn't contain any Cat 1

ingredients and has a viscosity  $>20 \text{ mm}^2/\text{s}$ .

# 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.

Contains particles of lead of less than a 1 mm but more than 100 nm (larger than nanoparticles), which release ionic lead levels that is very toxic to the environment. While massive lead is insoluble in water, their powders is considered sufficiently soluble to give rise to an ecological hazard by EU regulators. The classification that follows takes into account to chronic aqueous toxicity of category 1 (M-factor chronic = 1 for lead) of the EU.

Based on available data for tin and 2-(2-(2-butoxyethoxy)ethoxy)ethanol, the GHS aqueous toxicity classification criteria are not met.

# **Acute Ecotoxicity**

Category 1

Very toxic to aquatic life.

# **Chronic Ecotoxicity**

Category 1

Very toxic to aquatic life with long lasting effects

Avoid release to the environment. Collect spillage.

#### Biodegradability

Non biodegrable.

#### **Bioaccumulation**

Lead is bioaccumulable

# **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.** 

TDG: Sizes under 450 kg 4860P-35G, 4860P-250G, 4860P-500G

**NOT REGULATED** in TDG per Special Provisions 99

49 CFR: Sizes 5 kg and under

**NOT REGULATED** in 49 CFR per exception 171.4 (c)(2)

49CFR: Sizes over 5 kg (USA)

FOR REFERENCE ONLY **UN number**: UN3077

**Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,

N.O.S. (lead powder)

Class: 9

Packing Group: III Marine Pollutant: Yes





**Special Provision 99 (2)**: These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to the handling, offering for transport or transporting of less than 450 kg of UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., or less than 450 L of UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., on a road vehicle or a railway vehicle. The dangerous goods must be contained in one or more small means of containment designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous goods that could endanger public safety.

**171.4 (c) Exceptions**: Single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass of 5 kg or less for solids, are not subject to any other requirements of this subchapter provided the packagings meet the general requirements in §§ 173.24 and 173.24a. This exception does not apply to marine pollutants that are a hazardous waste or a hazardous substance. In the case of marine pollutants also meeting the criteria for inclusion in another hazard class, all provisions of this subchapter relevant to any additional hazards continue to apply.

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#### Air

#### Refer to ICAO-IATA regulations.

Sizes 5 kg and under 4860P-35G, 4860P-250G, 4860P-500G

**NOT REGULATED** 

On the air waybill, write "Not Restricted, as per Special Provisions A197"

Sizes over 5 kg FOR REFERENCE ONLY UN number: UN3077

**Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

(lead powder) **Class:** 9

Packing Group: III Marine Pollutant: Yes





**Special Provision A197**: These substances when transported in single or combination packagings containing net quantity per single or inner packaging of less than 5 L or less for liquids or having a net mass of 5 kg or less for solids, are not subject to any other provisions of these Regulations provided the packagings meet the general provisions 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

#### Sea

# Refer to IMDG regulations.

Sizes 5 kg and under 4860P-35G, 4860P-250G, 4860P-500G

**NOT REGULATED** 

per 2.10.2.7

Sizes over 5 kg FOR REFERENCE ONLY UN number: UN3077

**Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

(lead powder) **Class:** 9

Packing Group: III
Marine Pollutant: Yes





**2.10.2.7**: Marine pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids are not subject to any other provision of this Code relevant to marine pollutants provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. In the case of marine pollutants also meeting the criteria for inclusion in another hazard class, all provisions of this Code relevant to any additional hazards continue to apply.

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



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# **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**

# 

#### **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 contains lead (CAS# 7439-92-1; reportable quantity = 10 lb), which is 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.

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**California Proposition 65** (Chemicals known to cause cancer or reproductive toxicity, USA).

This product contains lead, which is listed as a carcinogen and a reproductive toxicant.

# **Europe**

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

This product contains lead and is therefore subject to restricted uses with respect to the RoHS directive.

It does not contain any 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**

**Prepared by the** Regulatory Affairs Department

**Date of Revision** 06 March 2020 **Supersedes** 15 August 2019

**Reason for Changes:** Update to the emergency phone number information.

#### 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®)

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#### **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.

Email: support@mgchemicals.com

Phone: +1-905-331-1396

Mailing Addresses Manufacturing & Support Head Office

1210 Corporate Drive 9347–193rd Street

Burlington, Ontario, Canada Surrey, British Columbia, Canada

L7L 5R6 V4N 4E7

**Disclaimer** This 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.