

Safety Data Sheet

FOR REGULATORY AND SDS QUESTIONS (U.S. AND CANADA): CALL THE PRODUCT STEWARDSHIP LINE 1- 908-791-2336 9 AM TO 6 PM ET (Mon-Fri)

Section 1. Identification

| Product name | 1 | 44 Sn60Pb40 Solder Wire / Preform |
|--------------------------------|---|-----------------------------------|
| Product code | 1 | 44Alloy60 |
| Product type | 1 | Solid. |
| Date of issue/Date of revision | : | March 10 2023. |

| Manufacturer - Supplier | Telephone no.: | Emergency phone: |
|--|----------------------------------|---|
| Alpha Assembly Solutions Inc. 800 West Thorndale Avenue Itasca, IL 60143 USA | ∲≠800-253-7837 1-630-616-4000 | DOMESTIC NORTH AMERICA 202-464-2554 |
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Section 2. Hazards identification

| OSHA/HCS status | : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). | |
|--|--|--|
| Classification of the substance or mixture | SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 2 TOXIC TO REPRODUCTION - Category 1A SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1 | |
| GHS label elements | | |
| Hazard pictograms | | |
| Signal word | : Danger | |
| Hazard statements | May cause an allergic skin reaction. Suspected of causing cancer. May damage fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. (nervous system, reproductive organs) Very toxic to aquatic life with long lasting effects. | |
| Precautionary statements | | |
| Prevention | : Øbtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Avoid release to the environment. Do not breathe dust. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. | |
| | | |

Section 2. Hazards identification

| Response | : Collect spillage. IF exposed or concerned: Get medical advice or attention. Wash contaminated clothing before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. |
|-------------------------------------|---|
| Storage | : Store locked up. |
| Disposal | Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| Hazards not otherwise classified | : None known. |

Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

| Ingredient name | % | CAS number |
|---------------------|---------|------------|
| tin | 50-60 | 7440-31-5 |
| lead | 30-40 | 7439-92-1 |
| Rosin/Resin | 1-10 | - |
| Proprietary Alcohol | 0.1-1.0 | - |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

| Description of necessa | ry first aid measures |
|------------------------|--|
| Eye contact | Check for and remove any contact lenses. Immediately flush eyes with running water for at least 30 minutes, keeping eyelids open. Get medical attention. |
| Inhalation | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| Skin contact | : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 15 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| Ingestion | : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| Most important sympto | ms/effects, acute and delayed |
| Potential acute health | <u>effects</u> |
| Eye contact | : No known significant effects or critical hazards. |

| Lye contact | . No known significant effects of critical hazards. |
|--------------|---|
| Inhalation | : No known significant effects or critical hazards. |
| Skin contact | : May cause an allergic skin reaction. |

Continued on next page

Section 4. First aid measures

| Ingestion | : No known significant effects or critical hazards. |
|----------------------------|---|
| Over-exposure signs/sym | <u>ptoms</u> |
| Eye contact | : No specific data. |
| Inhalation | : Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations |
| Skin contact | : Adverse symptoms may include the following: irritation redness reduced fetal weight increase in fetal deaths skeletal malformations |
| Ingestion | : Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations |
| Indication of immediate me | dical attention and special treatment needed, if necessary |
| Notes to physician | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| Specific treatments | : No specific treatment. |
| Protection of first-aiders | : No action shall be taken involving any personal risk or without suitable training. If it is suspected that mists are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. |

See toxicological information (Section 11)

Section 5. Fire-fighting measures

| Extinguishing media | |
|--|--|
| Suitable extinguishing media | : Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media | : None known. |
| Specific hazards arising from the chemical | This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. |
| Hazardous thermal decomposition products | : Decomposition products may include the following materials: metal oxide/oxides |
| Special protective actions for fire-fighters | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| Special protective equipment for fire-fighters | : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

Section 6. Accidental release measures

| Personal precautions, protect | tiv | e equipment and emergency procedures | | |
|--------------------------------|------|---|--|--|
| For non-emergency personnel | : | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. | | |
| For emergency responders | : | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". | | |
| Environmental precautions | : | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage. | | |
| Methods and materials for co | onta | ainment and cleaning up | | |
| Small spill | : | Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. | | |
| Large spill | : | Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: | | |

see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

| Ρ | recautior | is for | safe | handling |
|---|------------------|--------|------------|-----------------|
| | <u>ioouulloi</u> | | <u>uiu</u> | Harranny |

| riecautions for sale nationing | |
|--|--|
| Protective measures | : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. |
| Advice on general occupational hygiene | : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| Conditions for safe storage, including any incompatibilities | : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. |

Section 8. Exposure controls/personal protection

| • | • • |
|----------------------------------|---|
| Control parameters | |
| Occupational exposure limi | <u>ts</u> |
| ţĭń | ACGIH TLV (United States, 3/2017). TWA: 2 mg/m ³ , (as Sn) 8 hours. NIOSH REL (United States, 10/2016). TWA: 2 mg/m ³ , (as Sn) 10 hours. OSHA PEL (United States, 6/2016). TWA: 2 mg/m ³ , (as Sn) 8 hours. |
| lead | OSHA PEL (United States, 5/2005). TWA: 0.05 mg/m³ 8 hours. OSHA PEL 1989 (United States, 3/1989). TWA: 50 μg/m³, (as Pb) 8 hours. ACGIH TLV (United States, 3/2017). Notes: as Pb TWA: 0.05 mg/m³, (as Pb) 8 hours. OSHA PEL (United States, 6/2016). Notes: as Pb TWA: 50 μg/m³, (as Pb) 8 hours. NIOSH REL (United States, 10/2016). Notes: See Appendix C - Supplemental Exposure Limits Note: The REL and PEL also apply to other lead compounds (as Pb). TWA: 0.05 mg/m³ 8 hours. |
| Rosin/Resin | ACGIH TLV (United States, 3/2017). Skin sensitizer. Inhalation sensitizer. |
| Proprietary Alcohol | OARS WEEL (United States, 10/2011). TWA: 0.5 ppm 8 hours. |
| Appropriate engineering controls | : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. |
| Environmental exposure controls | : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. |
| Individual protection measur | <u>es</u> |
| Hygiene measures | : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. |
| Eye/face protection | : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. |
| Skin protection | |
| Hand protection | : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. |
| Body protection | : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |

Section 8. Exposure controls/personal protection

| Other skin protection | : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
|------------------------|--|
| Respiratory protection | : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. |

Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

| Physical state | : Solid. |
|---|-------------------|
| Color | : Silver. Gray. |
| Odor | : Characteristic. |
| Odor threshold | : Not available. |
| рН | : Not available. |
| Melting point/freezing point | : Not available. |
| Boiling point, initial boiling point, and boiling range | : 1740°C (3164°F) |
| Flash point | : Not applicable. |
| Evaporation rate | : Not available. |
| Flammability | : Not available. |
| Lower and upper explosion limit/flammability limit | : Not applicable. |
| Vapor pressure | : Not available. |
| Relative vapor density | : Not applicable. |
| Relative density | : Not available. |
| Solubility | : Not available. |
| Miscible with water | : No. |
| VOC | : 1.5 g/l |
| Partition coefficient: n- octanol/water | : Not applicable. |
| Auto-ignition temperature | : Not applicable. |
| Decomposition temperature | : Not available. |
| Viscosity | : Not applicable. |
| Flow time (ISO 2431) | : Not available. |
| Particle characteristics | |
| Median particle size | : Not available. |

Section 10. Stability and reactivity

| Reactivity | : No specific test data related to reactivity available for this product or its ingredients. |
|---|--|
| Chemical stability | : The product is stable. |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur. |
| Incompatibility with various substances | : Reactive or incompatible with the following materials: oxidizing materials, acids and alkalis. |

Continued on next page

Section 10. Stability and reactivity

Hazardous decomposition
products: Under normal conditions of storage and use, hazardous decomposition products should
not be produced.Hazardous polymerization: Under normal conditions of storage and use, hazardous polymerization will not occur.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|-------------------------|-------------|---------|-------------|----------|
| tin | LD50 Oral | Rat | >2000 mg/kg | - |
| lead | LD50 Oral | Rat | >5000 mg/kg | - |
| Rosin/Resin | LD50 Oral | Mouse | 2.2 g/kg | - |
| | LD50 Oral | Rat | 3 g/kg | - |
| Proprietary Alcohol | LD50 Dermal | Rabbit | 5000 mg/kg | - |
| | LD50 Oral | Rat | 1600 mg/kg | - |

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|-------------------------|--------------------------|---------|-------|---------------------------|-------------|
| Proprietary Alcohol | Eyes - Moderate irritant | Rabbit | | 24 hours 20 milligrams | - |

Sensitization

Not available.

Mutagenicity

| Product/ingredient name | Test | Experiment | Result |
|-------------------------|------|---------------------------|-----------|
| lead | - | Subject: Mammalian-Animal | Equivocal |

Carcinogenicity

Not available.

Classification

| Product/ingredient name | OSHA | IARC | NTP |
|-------------------------|------|------|--|
| lead | - | 2B | Reasonably anticipated to be a human carcinogen. |

Reproductive toxicity

| Product/ingredient name | Maternal toxicity | Fertility | Development toxin | Species | Dose | Exposure |
|-------------------------|-------------------|-----------|----------------------|----------------|------------------------------------|--------------------------------|
| lead | - | - | Equivocal | Rat - Female | Oral: 520 mg/kg | - |
| | - | - | Equivocal | Rat - Female | Inhalation: 3 mg/m ³ | 24 hours per day |
| | Equivocal | - | - | Mouse - Female | Oral: 300 mg/kg | - |
| | - | Equivocal | - | Mouse | Oral: 4099.2 | - |
| Proprietary Alcohol | Positive | Positive | Positive | Rat | mg/kg Oral: 150 mg/kg | 18 days During Pregnancy |
| | Positive | Positive | Positive | Rat | Oral: 500 mg/kg | 9 days During Pregnancy |
| | - | Equivocal | - | Rat - Male | Inhalation: 500 ppm TCLo | 6 hours per day |
| | - | Equivocal | - | Rat - Male | Dermal: | - |

Section 11. Toxicological information

| Pa | age | e: 8/12 | |
|-------|-----|---------|--|
| March | 10 | 2023. | |

| | 65 g/kg TDLo | | | | |
|--|-----------------|--|--|--|--|

Teratogenicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|-------------------------|--|---|------------------------|-----------------------|
| lead | Equivocal - Oral Equivocal - Inhalation | Mammal - species unspecified Rat | 2118 mg/kg 10 mg/m³ | - 24 hours per day |

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

| Product/ingredient name | | Route of exposure | Target organs |
|-------------------------|------------|-------------------|--|
| Jead | Category 1 | | nervous system, reproductive organs |

Aspiration hazard

Not available.

| Information on the likely routes of exposure | : Dermal contact. Inhalation. Ingestion. |
|--|--|
| Potential acute health effects | |
| Eye contact | : No known significant effects or critical hazards. |
| Inhalation | : No known significant effects or critical hazards. |
| Skin contact | : May cause an allergic skin reaction. |
| Ingestion | : No known significant effects or critical hazards. |
| Symptoms related to the phy | sical, chemical and toxicological characteristics |
| Eye contact | : No specific data. |
| Inhalation | Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations |
| Skin contact | : Adverse symptoms may include the following: irritation redness reduced fetal weight increase in fetal deaths skeletal malformations |
| Ingestion | : Adverse symptoms may include the following: reduced fetal weight |

| Delayed and immediate effec | ts and also chronic effects from short and long term exposure |
|--------------------------------|---|
| Short term exposure | |
| Potential immediate effects | : Not available. |
| Potential delayed effects | : Not available. |
| Long term exposure | |
| Potential immediate effects | : Not available. |

increase in fetal deaths skeletal malformations

Section 11. Toxicological information

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

| General | : Causes damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. |
|-----------------------|---|
| Carcinogenicity | Suspected of causing cancer. Risk of cancer depends on duration and level of exposure. |
| Mutagenicity | : No known significant effects or critical hazards. |
| Reproductive toxicity | : May damage fertility or the unborn child. |

Numerical measures of toxicity

Acute toxicity estimates

| Route | ATE value |
|-------|---------------|
| Oral | 96200.1 mg/kg |

Section 12. Ecological information

| - | | | A | |
|----|-----|----|----|--|
| 10 | οχι | CI | τν | |
| - | - | | - | |

| Product/ingredient name | Result | Species | Exposure |
|-------------------------|---|---|---------------------|
| lead | Acute EC50 105 ppb Marine water | Algae - Chaetoceros sp Exponential growth phase | 72 hours |
| | Acute EC50 0.489 mg/l Marine water | Algae - Ulva pertusa | 96 hours |
| | Acute EC50 8000 µg/l Fresh water | Aquatic plants - Lemna minor | 4 days |
| | Acute LC50 530 µg/l Fresh water | Crustaceans - Ceriodaphnia reticulata | 48 hours |
| | Acute LC50 4400 µg/l Fresh water | Daphnia - Daphnia magna | 48 hours |
| | Acute LC50 0.44 ppm Fresh water | Fish - Cyprinus carpio - Juvenile (Fledgling, Hatchling, Weanling) | 96 hours |
| | Chronic NOEC 0.25 mg/l Marine water Chronic NOEC 0.03 µg/l Fresh water | Algae - Ulva pertusa Fish - Cyprinus carpio | 96 hours 4 weeks |

Persistence and degradability

Not available.

Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|-------------------------|------------|-----|-----------|
| Rosin/Resin | 1.9 to 7.7 | - | high |

Mobility in soil

| Soil/water partition coefficient (Koc) | : Not available. | | |
|--|------------------------|--|--|
| Other adverse effects | : No known significant | | |

: No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

| | DOT Classification | TDG Classification | Mexico Classification | UN | IMDG | ΙΑΤΑ |
|-------------------------------|-----------------------|-----------------------|--------------------------|----------------|----------------|----------------|
| UN number | Not regulated. | Not regulated. | Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| UN proper shipping name | - | - | - | - | - | - |
| Transport hazard class(es) | - | - | - | - | - | - |
| Packing group | - | - | - | - | - | - |
| Environmental hazards | No. | No. | No. | No. | No. | No. |

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory information

 U.S. Federal regulations
 : TSCA 5(a)2 proposed significant new use rule (SNUR): No products were found.

 TSCA 5(a)2 final significant new use rule (SNUR): No products were found.

 TSCA 12(b) one-time export notification: No products were found.

 TSCA 12(b) annual export notification: lead

 United States inventory (TSCA 8b)

 SARA 302/304

 Composition/information on ingredients

No products were found.

SARA 311/312

Section 15. Regulatory information

Classification

KIN SENSITIZATION - Category 1
 CARCINOGENICITY - Category 2
 TOXIC TO REPRODUCTION - Category 1A
 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

SARA 313

| | Product name | CAS number | % |
|---------------------------------|--------------|------------|-------|
| Form R - Reporting requirements | lead | 7439-92-1 | 30-40 |
| Supplier notification | lead | 7439-92-1 | 30-40 |

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

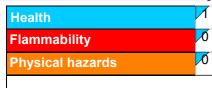
California Prop. 65

MARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

| <u>Canada</u> Canada inventory | : All components are listed or exempted. | |
|-----------------------------------|--|--|
| International regulations | | |
| Inventory list | | |
| Australia | : All components are listed or exempted. | |
| China | : All components are listed or exempted. | |
| Japan | : All components are listed or exempted. | |
| New Zealand | : All components are listed or exempted. | |
| Philippines | : All components are listed or exempted. | |
| Republic of Korea | : All components are listed or exempted. | |
| Taiwan | : All components are listed or exempted. | |

Section 16. Other information

Hazardous Material Information System (U.S.A.)



Procedure used to derive the classification

| Classification | Justification |
|---|--------------------|
| KIN SENSITIZATION - Category 1 | Calculation method |
| CARCINOGENICITY - Category 2 | Calculation method |
| TOXIC TO REPRODUCTION - Category 1A | Calculation method |
| SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 | Calculation method |
| AQUATIC HAZARD (ACUTE) - Category 1 | Calculation method |
| AQUATIC HAZARD (LONG-TERM) - Category 1 | Calculation method |
| History | |

| <u>Instory</u> | |
|------------------------|-------------|
| Date of issue/Date of | : 3/10/2023 |
| revision | |
| Date of previous issue | : 1/23/2022 |
| Version | : 1.01 |

Section 16. Other information

Regulatory Affairs Department enthone.msds@macdermidenthone.com

| Key to abbreviations | : ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available SGG = Segregation Group UN = United Nations |
|----------------------|---|
| References | : Not available. |

References

Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

4.9.04b4933

Kester SDS GHS Americas