

**GHS COMPLIANT SAFETY DATA SHEET**

TO COMPLY WITH *OSHA HAZARD COMMUNICATION STANDARD 29 CFR.1910.1200*  
& THE GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS

**SECTION 1: IDENTIFICATION**

|                         |   |
|-------------------------|---|
| PRODUCT NAME            | Lumicryl® 103                                     |
| MFR.'S CODE ID/SYNONYMS | Lumicryl® 103, DS9-44                             |
| CAS NUMBER              | Mixture (see Sections 3 or 8)                     |
| PRODUCT USE             | Resin solution for coatings                       |
| RESTRICTIONS ON USE     | For industrial use only                           |
| MANUFACTURER/SUPPLIER   | Estron Chemical, Inc.                             |
| ADDRESS                 | 807 North Main Street, Calvert City, KY 42029 USA |
| GENERAL INFORMATION     | (270) 395-4195                                    |
| EMERGENCY TELEPHONE     | CHEMTREC (800) 424-9300                           |



**SECTION 2: HAZARDS IDENTIFICATION**

**Signal Word:** *Danger*

**GHS Classification**

| Physical                      | Health  | Environmental  |
|-------------------------------|---|--|
| Flammable Liquid – Category 2 | Acute Toxicity, Inhalation - Category 5<br>Skin Corrosion/Irritation – Category 2<br>Eye Damage/Irritation – Category 2A<br>Specific Target Organ Toxicity, Single Exposure (Central Nervous System) – Category 3 | Hazardous to the Aquatic Environment,<br>Acute Hazard – Category 3 |

**GHS Label**

|   |   |
|---|---|
| <p><b>Symbols:</b> Flame  Exclamation Mark </p>   |   |
| <p><b>Hazard Statements</b><br/> H225: Highly flammable liquid and vapour<br/> H315: Causes skin irritation<br/> H319: Causes serious eye irritation<br/> H333: May be harmful if inhaled<br/> H336: May cause drowsiness or dizziness<br/> H402: Harmful to aquatic life</p> | <p><b>Precautionary Statements</b></p> <p><i>Prevention</i><br/> P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking.<br/> P233: Keep container tightly closed.<br/> P240: Ground/bond container and receiving equipment.<br/> P241: Use explosion-proof electrical/ventilating/light/equipment.<br/> P242: Use only non-sparking tools.<br/> P243: Take precautionary measures against static discharge.<br/> P261: Avoid breathing dust/fume/gas/mist/vapours/spray.<br/> P264: Wash exposed skin thoroughly after handling.<br/> P271: Use only outdoors or in a well-ventilated area.<br/> P273: Avoid release to the environment.<br/> P280: Wear protective gloves/protective clothing/eye protection/face protection.</p> <p><i>Response</i><br/> P302+352: IF ON SKIN: Wash with plenty of soap and water.<br/> P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> |

|  |  |
|--|--|
|  | <p>P304+340+312: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.</p> <p>P321: Specific treatment (see supplemental first aid instructions on this label)</p> <p>P332+313: If skin irritation occurs: Get medical advice/attention.</p> <p>P337+313: If eye irritation persists get medical advice/attention.</p> <p>P362+P364: Take off immediately all contaminated clothing and wash it before reuse.</p> <p>P370+378: In case of fire: Use foam, dry chemical powder, carbon dioxide or water fog to extinguish.</p> <p><i>Storage</i></p> <p>P403+233+235: Store in a well ventilated place. Keep container tightly closed. Keep cool.</p> <p>P405: Store locked up.</p> <p><i>Disposal</i></p> <p>P501: Dispose of contents/container to an authorized hazardous waste handler.</p> |
|--|--|

HAZARDS NOT OTHERWISE CLASSIFIED: None identified.

### **SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS**

| <b>HAZARDOUS INGREDIENTS</b>         | <b>CAS #</b> | <b>%</b> | <b>CLASSIFICATION</b>   | <b>H CODES</b>                       |
|--------------------------------------|--------------|----------|---|--------------------------------------|
| n-Butyl Acetate                      | 123-86-4     | 20 - 24  | Flammable Liquids – Category 3<br>Skin Corrosion/Irritation – Category 2<br>Eye Damage/Irritation – Category 2A<br>Specific Target Organ Toxicity, Single Exposure (Central Nervous System) – Category 3<br>Hazardous to the Aquatic Environment, Acute Hazard – Category 3                         | H226<br>H315<br>H319<br>H336<br>H402 |
| n-Propyl Acetate                     | 109-60-4     | 33 - 37  | Flammable Liquid – Category 2<br>Eye Irritation – Category 2A<br>Specific Target Organ Toxicity – Single Exposure - Category 3<br>Hazardous to the Aquatic Environment, Acute Hazard – Category 3   | H225<br>H319<br>H336<br>H402         |
| Tricyclodecane dimethanol diacrylate | 42594-17-2   | 0 - 2    | Skin Corrosion/Irritation – Category 2<br>Eye Damage/Irritation – Category 2A<br>Specific Organ Toxicity, Single Exposure (Respiratory System) – Category 3<br>Hazardous to the Aquatic Environment, Acute Hazard – Category 1<br>Hazardous to the Aquatic Environment, Chronic Hazard – Category 2 | H315<br>H319<br>H335<br>H400<br>H411 |

(See Section 8 for Exposure Limits)

| <b>NON-HAZARDOUS INGREDIENTS</b> | <b>CAS #</b> | <b>%</b> |
|----------------------------------|--------------|----------|
| Acrylic Polymers                 | Proprietary  | 42 - 46  |

### **SECTION 4: FIRST-AID MEASURES**

#### **SYMPTOMS OF EXPOSURE**

|         |   |
|---------|---|
| ACUTE   | Drowsiness or dizziness. Temporary mild skin or eye irritation. Nausea.   |
| DELAYED | Stinging, tearing, redness and swelling of the eyes. Redness or burning of the skin. Headache. Nausea. Unconsciousness. |

|            |   |
|------------|---|
| INHALATION | If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. If breathing is labored or with coughing, give 100% supplemental oxygen. If not breathing begin artificial respiration and get medical aid. |
|------------|---|

|                    |  |
|--------------------|--|
| SKIN CONTACT       | Causes skin irritation. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash thoroughly with soap and water. If skin irritation persists, consult a doctor.   |
| EYE CONTACT        | Causes serious eye irritation. Wash exposed skin thoroughly after handling. Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists, get medical advice/attention. |
| INGESTION          | Do not induce vomiting unless directed by medical personnel. If ingested, seek medical attention.  |
| SPECIFIC TREATMENT | No other specific treatments are known or have been identified.  |

## **SECTION 5: FIRE FIGHTING MEASURES**

|  |  |
|--|--|
| FLAMMABILITY CLASSIFICATION                                    | Flammable Liquid Class IB  |
| FLAMMABLE LIMITS   | LEL: 1.7 %, by volume of solvent.<br>UEL: 8.0 %, by volume of solvent.   |
| HAZARDOUS COMBUSTION PRODUCTS                                  | Carbon Dioxide, Carbon Monoxide. Caustic soda may induce vigorous polymerization of the resinous material at temperatures around 200 °C.   |
| EXTINGUISHING MEDIA  | Dry Chemical, Foam, CO <sub>2</sub> , Water Fog  |
| UNUSUAL FIRE AND EXPLOSION HAZARDS                             | Solvent vapors may travel in the work place. Since even residual amounts can ignite explosively, ensure all ignition sources are removed from the area. Solid stream of water may spread fire. Caustic soda may induce vigorous polymerization of the resinous material at temperatures around 200 °C. |
| SPECIAL FIRE FIGHTING PROCEDURES                               | Wear self-contained breathing apparatus and protective suit when fighting fire. Solid streams of water may spread the fire.  |
| SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS | As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full (Bunker) protective gear   |

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

|                                       |  |
|---------------------------------------|--|
| PERSONAL PRECAUTIONS                  | Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.   |
| PROTECTIVE EQUIPMENT                  | See Personal Protective Equipment in Section 8.  |
| EMERGENCY PROCEDURES                  | Avoid unnecessary exposure to bystanders, prevent contact with open flames or high heat sources. Isolate the area and eliminate all ignition sources. Ground and bond all containers and handling equipment. Pump with explosion-proof equipment.    |
| ENVIRONMENTAL PRECAUTIONS             | Obey relevant local, state, provincial and federal laws and regulations. Do not allow the product to enter public drainage systems or open water courses.  |
| METHODS AND MATERIALS FOR CLEANING UP | Absorb the product onto vermiculite, floor absorbent or other absorbent materials, such as dry-lime, sand, or soda ash. Sweep or scoop into a suitable container for disposal. Ventilate area and wash spill site after material pickup is complete. |

## **SECTION 7: HANDLING AND STORAGE**

|                               |   |
|-------------------------------|---|
| PRECAUTIONS FOR SAFE HANDLING | Avoid contact with the eyes, skin and clothing. Wash thoroughly after handling. Avoid breathing vapors. Use with adequate ventilation. Ground and bond all containers and handling equipment. Handle in accordance with good industrial hygiene and safety practice. Take precautionary measures against static discharges. Emptied containers may still be hazardous. Do not cut, drill, grind, weld or perform similar actions on or near empty containers.<br>Wear appropriate protective equipment when handling this material (See Section 8). At room temperature, this product has a pourable viscosity. Therefore, material transfer and processing does not necessitate heating. |
| CONDITIONS FOR SAFE STORAGE   | This material contains an inhibitor, MEHQ, which in the presence of air enhances shelf life stability. Store unopened containers of this product at or below 20 °C away from direct sunlight, ignition sources, and heat sources. The product shelf life is two years from date of manufacture in an unopened container stored at 20 °C. Unexpected or uncontrolled temperature excursions during shipping, transit storage, and final storage  |

may adversely affect useful shelf life and is beyond the manufacturers control or responsibility. Store in cool, dry, well-ventilated areas. Keep containers closed.

This product can polymerize prematurely under improper storage conditions. Therefore, store this product in tightly closed containers in a properly vented storage area away from heat, sparks, open flame, strong oxidizers, radiation, direct sunlight, and materials which may generate free radicals (e.g. initiators). Prevent moisture exposure and contamination by foreign materials. Use only non-sparking tools and limit storage time.

Store all products in epoxy-phenolic lined carbon steel, stainless steel or polyethylene lined drums or glass containers. The following steps are further recommendation to prevent premature polymerization.

- maintain a head of airspace in storage containers to support the oxygen requirements of the inhibitors, do not blanket with inert gases
- avoid contact with contaminants such as iron and copper (which can initiate polymerization)
- check inhibitor levels periodically

Product is packaged with inhibitor(s). Unless inhibited, product can polymerize, raising temperature and pressure which could result in possible catastrophic container rupture. Check inhibitor content periodically, adding to bulk material if needed. In addition, the product's inhibitor(s) require the presence of dissolved oxygen. Maintain, at a minimum, the original headspace in the product container and do not blanket or mix with oxygen-free gas as it renders inhibitor ineffective. Ensure air space (oxygen) is present during product heating/melting.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

| INGREDIENTS                          | CAS #       | %       | ACGIH TLV               | OSHA PEL                |
|--------------------------------------|-------------|---------|-------------------------|-------------------------|
| Acrylic Polymers                     | Proprietary | 42 - 46 | <i>None established</i> | <i>None established</i> |
| n-Butyl Acetate                      | 123-86-4    | 20 - 24 | 150 ppm                 | 150 ppm                 |
| n-Propyl Acetate                     | 109-60-4    | 33 - 37 | 200 ppm                 | 200 ppm                 |
| Tricyclodecane dimethanol diacrylate | 42594-17-2  | 0 - 2   | <i>None established</i> | <i>None established</i> |

APPROPRIATE ENGINEERING CONTROLS Showers, eyewash stations and explosion-proof ventilation systems.

### PERSONAL PROTECTIVE EQUIPMENT

|                  |   |
|------------------|---|
| EYE/FACE         | Chemical splash goggles or face shield.   |
| SKIN             | Wear resistant gloves (consult you safety equipment supplier) and impervious protective clothing as appropriate to prevent skin contact.  |
| RESPIRATORY      | An appropriate NIOSH approved respirator where exposure limits are exceeded.  |
| HYGIENE MEASURES | Handle in accordance with good industrial hygiene and safety practices. When using, do not eat, drink or smoke. Wash face and hands before breaks and at the end of work. Wash contaminated clothing before re-use. |

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

|  |  |  |  |
|--|--|--|--|
| APPEARANCE                                 | Clear liquid                             | ODOR                                     | Strong, esteric                              |
| ODOR THRESHOLD                             | No test data available                   | pH                                       | No test data available                       |
| MELTING POINT                              | No test data available                   | BOILING POINT/RANGE                      | 102 °C (216 °F)                              |
| FLASH POINT                                | 57 °F (14°C) closed cup                  | EVAPORATION RATE                         | No test data available                       |
| FLAMMABILITY                               | Flammable Liquid Class IB                |  |  |
| FLAMMABLE LIMITS                           | LOWER 1.7 %, <i>by volume of solvent</i> | UPPER 8.0 %, <i>by volume of solvent</i> |  |
| VAPOR PRESSURE                             | No test data available                   | VAPOR DENSITY                            | 3.75 (Air = 1)                               |
| RELATIVE DENSITY                           | No test data available                   | SOLUBILITY IN H <sub>2</sub> O           | <i>Solvent – Miscible<br/>Polymers - Nil</i> |
| PARTITION COEFFICIENT<br>(n-octanol/water) | No test data available                   | AUTOIGNITION<br>TEMPERATURE              | 380 °C (716 °F)                              |
| DECOMPOSITION<br>TEMPERATURE               | > 170 °C (Polymer)                       | VISCOSITY                                | No test data available                       |
| % VOLATILE                                 | 54 – 58%                                 | SOFTENING POINT                          | No test data available                       |

## **SECTION 10: STABILITY AND REACTIVITY**

|                                    |   |
|------------------------------------|---|
| REACTIVITY                         | This product does not pose a significant reactivity hazard when stored appropriately (see Section 7).   |
| STABILITY                          | This product is stable when stored appropriately, although drums of this product may build pressure during shipment or during storage after receipt (see Section 7 for more details regarding handling and storage). Product can polymerize with exposure to heat or light. |
| CONDITIONS TO AVOID                | All ignition sources, heat and open flames.   |
| INCOMPATIBLE PRODUCTS              | Strong oxidizers and caustic soda.  |
| HAZARDOUS DECOMPOSITION PRODUCTS   | Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen and Sulfur.   |
| POSSIBILITY OF HAZARDOUS REACTIONS | Will not occur  |

## **SECTION 11: TOXICOLOGICAL INFORMATION**

|                      |   |  |  |  |
|----------------------|---|--|--|--|
| SYMPTOMS OF EXPOSURE |   |  |  |  |
| ACUTE                | Drowsiness or dizziness. Temporary mild skin or eye irritation. Nausea.   |  |  |  |
| DELAYED              | Stinging, tearing, redness and swelling of the eyes. Redness or burning of the skin. Headache. Nausea. Unconsciousness. |  |  |  |
| ACUTE TOXICITY       |   |  |  |  |
| INHALATION           | Harmful if inhaled. May cause drowsiness or dizziness.  |  |  |  |
| SKIN                 | Causes skin irritation.   |  |  |  |
| EYES                 | Causes serious eye irritation.  |  |  |  |
| INGESTION            | Harmful if swallowed – may enter lungs if swallowed or vomited.   |  |  |  |
| INHALATION TOXICITY  | LC <sub>50</sub> Rat, 4 hours   | 123-86-4<br>109-60-4<br>42594-17-2<br>Polymers             | 390 mg/l<br>32 mg/l<br>Not established<br>Not established          |  |
| DERMAL TOXICITY      | LD <sub>50</sub> Rabbit   | 123-86-4<br>109-60-4<br>42594-17-2<br>Polymers             | >17600 mg/kg<br>>17800 mg/kg<br>Not established<br>Not established |  |
| SKIN IRRITATION      | Draize, Rabbit, 24 hours  | 123-86-4<br>109-60-4<br>42594-17-2<br>Polymers             | 500 mg/m <sup>3</sup>  | Moderate<br>Not an irritant<br>Not established<br>Not established      |
| EYE IRRITATION       | Human<br>Draize, Rabbit, 24 hours   | 123-86-4<br>123-86-4<br>109-60-4<br>42594-17-2<br>Polymers | 300 ppm<br>100 mg<br>500 mg  | Moderate<br>Moderate<br>Moderate<br>Not established<br>Not established |
| ORAL TOXICITY        | LD <sub>50</sub> Rat  | 123-86-4<br>109-60-4<br>42594-17-2<br>Polymers             | >10000 mg/kg<br>8,700 mg/kg<br>Not established<br>Not established  |  |
| SENSITIZATION        | Draize, Rabbit  |  |  | No data available  |
| CHRONIC EFFECTS      |   |  |  |  |
| CARCINOGENICITY      |   |  |  | Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65          |
| MUTAGENIC EFFECTS    |   |  |  | None known   |

REPRODUCTIVE TOXICITY

None known

TARGET ORGAN EFFECTS

Narcotic Effects (Inhalation)

## **SECTION 12: ECOLOGICAL INFORMATION**

|                               |   |  |  |
|-------------------------------|---|--|--|
| ECOTOXICITY                   | Harmful to aquatic life.  |  |  |
| TOXICITY TO FISH              | LC <sub>50</sub> Pimephales promelas, 96 h  | 123-86-4<br>109-60-4<br>42594-17-2<br>Polymers | 18 mg/l<br>60 mg/l<br>Not established                      |
| TOXICITY TO DAPHNIA           | EC <sub>50</sub> Daphnia magna, 48 h<br>EC <sub>50</sub> Daphnia magna, 24 h                      | 123-86-4<br>109-60-4<br>42594-17-2<br>Polymers | 44 mg/l<br>91.5 mg/l<br>Not established<br>Not established |
| TOXICITY TO ALGAE             | EC <sub>50</sub> Desmodesmus subsp., 72 h<br>EC <sub>50</sub> Pseudokirchneriella subc., 72 hours | 123-86-4<br>109-60-4<br>42594-17-2<br>Polymers | 675 mg/l<br>672 mg/l<br>Not established<br>Not established |
| PERSISTANCE AND DEGRADABILITY | <i>Solvents</i> – Readily biodegradable.<br><i>Polymers</i> - No data available                   |  |  |
| BIOACCUMULATIVE POTENTIAL     | No data available   |  |  |
| MOBILITY IN SOIL              | No data available   |  |  |
| OTHER ADVERSE EFFECTS         | None known  |  |  |

## **SECTION 13: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL Dispose of in accordance with local, state and federal regulations. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Empty containers may retain some product residues. Vapor from product residues may create a flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been thoroughly cleaned. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3.

US EPA WASTE NUMBER & DESCRIPTION No information available

## **SECTION 14: TRANSPORT INFORMATION**

This section provides basic shipping classification information. Refer to appropriate transportation regulations for specific requirements.

### **U.S. DOT**

Proper Shipping Name: Resin Solution, *flammable*  
Classification: 3  
UN#: 1866  
Packing Group: II  
Hazard Label: Flammable Liquid

### **ICAO / IATA**

Proper Shipping Name: Resin Solution, *flammable*  
Classification: 3  
UN#: 1866  
Packing Group: II  
Hazard Label: Flammable Liquid

### **IMDG**

Proper Shipping Name: Resin Solution, *flammable*  
Classification: 3  
UN#: 1866  
Packing Group: II  
EmS#: F-E, S-D  
Hazard Label: Flammable Liquid

### **ADR/RID**

Proper Shipping Name: Resin Solution, *flammable*  
Classification: 3  
UN#: 1866  
Packing Group: II  
Hazard Label: Flammable Liquid

## **SECTION 15: REGULATORY INFORMATION**

The components in this product are either listed or exempt from listing due to polymer exemption criteria for the following chemical listing inventories as indicated by an "X":

|       |  |   |
|-------|--|---|
| AICS  | Australian Inventory of Chemical Substances                | X |
| DSL   | Canadian Domestic Substances List                          | X |
| ECL   | Korean Existing Chemicals List                             |   |
| ENCS  | Japanese Existing and New Chemical Substances              |   |
| IECSC | Inventory of Existing Chemical Substances in China         | X |
| NDSL  | Canadian Non-Domestic Substances List                      |   |
| NZIoC | New Zealand Inventory of Chemicals                         | X |
| PICCS | Philippines Inventory of Chemicals and Chemical Substances |   |
| SWISS | Giftelist 1 and Inventory of Notified New Substances       |   |
| TCSI  | Taiwan Chemical Substances List                            |   |
| TSCA  | US Toxic Substances Control Act                            | X |
| VNECI | Vietnam National Existing Chemical Inventory               | X |

### INTERNATIONAL REGULATIONS

EU REGULATION (EC) No. 1907/2006 (REACH) Annex XIV - List of substances subject to authorization, *Substances of Very High Concern*: This product does not contain any SVHC listed substances.

C.D. 96/82/EC Council Directive 96/82/EC, Annex I not mentioned by name. With regard to possibly appropriate decomposition products see Chapter 10.

### FEDERAL REGULATIONS

SARA 313 This product does not contain any chemicals which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

#### SARA Section 311/312 (40 CFR 370) Hazard Categories

|                       |     |
|-----------------------|-----|
| Acute Health Hazard   | Yes |
| Chronic Health Hazard | No  |
| Fire Hazard           | Yes |
| Pressure Hazard       | No  |
| Reactivity Hazard     | No  |

CERCLA This product, as supplied, contains substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional or state level pertaining to releases of this product.

**n-Butyl Acetate** (123-86-4): 5000 lb final RQ; 2270 kg final RQ.

CLEAN WATER ACT This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CLEAN AIR ACT This product does not contain any substances regulated as hazardous air pollutants (HAPS under Section 112 of the Clean Air Act Amendments of 1990).

OTHER FEDERAL None known

### U.S. STATE REGULATIONS

RIGHT TO KNOW The Listing requirements of the Right to Know (RTK) legislation varies by state. All information for NJ, PA, MA and other states can be derived from the listing of hazardous and non-hazardous components in Sections 2 and 15 of this Safety Data Sheet.

CALIFORNIA PROP 65 This product may contain trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity.

**SECTION 16: OTHER INFORMATION**

**DISCLAIMER**

This product is intended for industrial use only and should be used in accordance with the manufacturer's recommendations. Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. This SDS has been prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**DATE OF REVISION**            September 23, 2020, *replaces the September 8, 2020 version*

**REASON FOR REVISION**    Updated information in Sections 3 and 7.

**SDS PREPARED BY**         Glen Pearson

**SDS APPROVED BY**         Robert Auerbach