

**Epoxylite® E 810-1 Hi Temp Resin**

Version 9

Revision Date 03/08/2022

Print Date 03/08/2022

**SECTION 1. IDENTIFICATION**

Product name : Epoxylite® E 810-1 Hi Temp Resin

**Manufacturer or supplier's details**

Company : ELANTAS PDG, INC.  
5200 North 2nd Street  
St. Louis MO 63147

Telephone : (314) 621-5700

Visit our web site : [www.elantas.com](http://www.elantas.com)

E-mail address : [Todd.Thomas@altana.com](mailto:Todd.Thomas@altana.com)

Emergency telephone : INFOTRAC - 1-800-535-5053  
number

**Recommended use of the chemical and restrictions on use**

Recommended use : Adhesive

Restrictions on use : This product is for industrial use only. It is not intended for consumer use or retail sale.  
Refer to Section 15 for any restrictions that may apply

**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Acute toxicity (Dermal) : Category 4

Skin irritation : Category 2

Eye irritation : Category 2A

Skin sensitisation : Category 1

Germ cell mutagenicity : Category 2

Carcinogenicity : Category 1B

**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.

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H341 Suspected of causing genetic defects.  
H350 May cause cancer.

**Precautionary statements****: Prevention:**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

P302 + P352 + P312 IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/ doctor if you feel unwell.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.

**Storage:**

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical nature

: Epoxy Resin Solution

**Hazardous components**

| Component                   | CAS-No.    | Concentration (%) |
|-----------------------------|------------|-------------------|
| Epoxy Resin                 | 28064-14-4 | >= 64 - < 65      |
| Diglycidyl resorcinol ether | 101-90-6   | >= 17 - < 18      |
| Limonene dioxide            | 96-08-2    | >= 16 - < 17      |
| Limonene oxide              | 1195-92-2  | >= 0.1 - < 1      |

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**SECTION 4. FIRST AID MEASURES**

- |                         |  |
|-------------------------|--|
| General advice          | : Move out of dangerous area.<br>Show this safety data sheet to the doctor in attendance.<br>Do not leave the victim unattended.   |
| If inhaled              | : If unconscious, place in recovery position and seek medical advice.<br>If symptoms persist, call a physician.  |
| In case of skin contact | : If skin irritation persists, call a physician.<br>If on skin, rinse well with water.<br>If on clothes, remove clothes.   |
| In case of eye contact  | : Immediately flush eye(s) with plenty of water.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist.  |
| If swallowed            | : Induce vomiting immediately and call a physician.<br>Keep respiratory tract clear.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.<br>Take victim immediately to hospital. |

**SECTION 5. FIREFIGHTING MEASURES**

- |   |   |
|---|---|
| Unsuitable extinguishing media                | : High volume water jet   |
| Further information                           | : Standard procedure for chemical fires.<br>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Special protective equipment for firefighters | : Wear self-contained breathing apparatus for firefighting if necessary.  |

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- |   |   |
|---|---|
| Personal precautions, protective equipment and emergency procedures | : Use personal protective equipment.  |
| Environmental precautions   | : Prevent product from entering drains.<br>Prevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains inform respective authorities. |

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- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.  
Absorbent paper or other organic material used for cleaning up resin is a fire hazard, as heat and spontaneous combustion can occur, particularly if the resin was catalyzed. Catalyzed resin can generate hazardous exothermic heat if allowed to polymerize in a mass. All soiled or waste materials must be water soaked, and kept in a closed bin until disposed of.
- Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

**SECTION 7. HANDLING AND STORAGE**

- Advice on safe handling : Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national regulations.  
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.  
The chemical reaction that cures mixed epoxy is exothermic (heat generating). If left to cure in a contained mass, such as in a mixing vessel, it can generate enough heat to melt plastic, burn skin or ignite surrounding combustible materials. The larger or thicker the epoxy mass, the more heat generated.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.  
Hazardous components without workplace control parameters

- Engineering measures** : Use with adequate ventilation.  
All application areas should be ventilated in accordance with applicable OSHA regulations. (e.g. 29 CFR 1910.94)

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**Personal protective equipment**

- Respiratory protection : In the case of vapour formation use a respirator with an approved filter.
- Hand protection  
Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.
- Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : liquid
- Odour Threshold : No data available
- pH : No data available
- Melting point/freezing point : No data available
- Initial boiling point and boiling range : No data available
- Vapour pressure : No data available
- Flash point : > 201 °F (> 94 °C)  
Method: No information available.  
Information taken from reference works and the literature.
- Upper explosion limit : No data available
- Lower explosion limit : No data available
- Evaporation rate : No data available
- Flammability (solid, gas) : No data available
- Relative vapour density : No data available

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|  |  |
|--|--|
| Relative Density/Specific Gravity      | : No data available                        |
| Density                                | : 1.1743 g/cm <sup>3</sup> (77 °F (25 °C)) |
| Solubility(ies)                        |  |
| Water solubility                       | : No data available                        |
| Solubility in other solvents           | : No data available                        |
| Partition coefficient: n-octanol/water | : No data available                        |
| Ignition temperature                   | : No data available                        |
| Thermal decomposition                  | : No data available                        |
| Viscosity                              |  |
| Viscosity, dynamic                     | : No data available                        |
| Viscosity, kinematic                   | : > 21 mm <sup>2</sup> /s (104 °F (40 °C)) |

**SECTION 10. STABILITY AND REACTIVITY**

|                                    |  |
|------------------------------------|--|
| Reactivity                         | : No decomposition if stored and applied as directed.  |
| Chemical stability                 | : No decomposition if stored and applied as directed.  |
| Possibility of hazardous reactions | : No decomposition if stored and applied as directed.  |
| Conditions to avoid                | : No data available  |
| Hazardous decomposition products   | : The by-products expected in incomplete pyrolysis or combustion of epoxy resins are mainly phenolics, CO and water. |

**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Acute toxicity****Product:**

|                     |   |
|---------------------|---|
| Acute oral toxicity | : Acute toxicity estimate : 2,857 mg/kg<br>Method: Calculation method |
|---------------------|---|

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Acute dermal toxicity : Acute toxicity estimate : 1,365 mg/kg  
Method: Calculation method

**Components:****101-90-6 Diglycidyl resorcinol ether:**

Acute oral toxicity : LD50 (Mouse): 0.98 mg/kg

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

**96-08-2 Limonene dioxide:**

Acute oral toxicity : LD50 (Rat): 5,630 mg/kg

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (Rat): 1.7 mg/kg

**1195-92-2 Limonene oxide:**

Acute oral toxicity : LD50 (Mouse): 2.7 mg/kg

Acute inhalation toxicity : LC50 (Rat): 60000 ppm  
Exposure time: 4 h  
Test atmosphere: gas

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

**Skin corrosion/irritation****Product:**

Remarks: May cause skin irritation and/or dermatitis.

**Components:****101-90-6 Diglycidyl resorcinol ether:**

Species: Rabbit  
Exposure time: 24.00 h  
Method: Draize Test  
Result: Moderate skin irritation

**96-08-2 Limonene dioxide:**

Species: Rabbit  
Result: Mild skin irritation

**1195-92-2 Limonene oxide:**

Remarks: No data available

**Serious eye damage/eye irritation****Product:**

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Remarks: May cause irreversible eye damage.

**Components:****101-90-6 Diglycidyl resorcinol ether:**

Remarks: No data available

**1195-92-2 Limonene oxide:**

Remarks: No data available

**Respiratory or skin sensitisation****Product:**

Remarks: Causes sensitisation.

**Components:****1195-92-2 Limonene oxide:**

Remarks: No data available

**Carcinogenicity****IARC**

Group 2B: Possibly carcinogenic to humans

Diglycidyl resorcinol ether

101-90-6

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP**

Reasonably anticipated to be a human carcinogen

Diglycidyl resorcinol ether

101-90-6

**Further information****Product:**

Remarks: No data available

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available



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**Mobility in soil**

No data available

**Other adverse effects**

No data available

**Product:**

Regulation

40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information

: No data available

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

EPA Hazardous Waste Code(s)

: none

Waste from residues

: Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.  
Catalyzed resin can generate hazardous exothermic heat if allowed to polymerize in a mass. All soiled or waste materials must be water soaked, and kept in a closed bin until disposed of.  
Dispose of the solid mass only if cure is complete and the mass has cooled. Follow federal, state or local disposal regulations.

Contaminated packaging

: Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

**SECTION 14. TRANSPORT INFORMATION****International Regulations****IATA-DGR**

UN/ID No.

: UN 3082

Proper shipping name

: Environmentally hazardous substance, liquid, n.o.s.  
(Epoxy resin)

Class

: 9

Packing group

: III

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Labels : Miscellaneous

Packing instruction (cargo aircraft) : 964

Packing instruction (passenger aircraft) : 964

**IMDG-Code**

UN number : UN 3082

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN)

Marine Pollutant : (EPOXY RESIN)

Class : 9

Packing group : III

Labels : 9

EmS Code : F-A, S-F

Marine pollutant : yes

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**National Regulations****49 CFR**

Not regulated as a dangerous good

**SECTION 15. REGULATORY INFORMATION****EPCRA - Emergency Planning and Community Right-to-Know Act****US. EPA CERCLA Hazardous Substances (40 CFR 302)**

Calculated RQ exceeds reasonably attainable upper limit.

**SARA 304 - Emergency Release Notification**

Calculated RQ exceeds reasonably attainable upper limit.

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)**

Calculated RQ exceeds reasonably attainable upper limit.

**SARA 311/312 Hazards** : Per the June 13, 2016 Federal Register notice, EPA harmonized the EPCRA 311/312 hazard categories with the 2012 OSHA hazard communication standard for classifying and labeling of chemicals (i.e. GHS). Please refer to Section 2 of the SDS to identify the appropriate hazard categories for reporting purposes.

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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**SARA 313**

: This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Diglycidyl resorcinol ether    101-90-6    17.5 %

**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

Non-volatile (Wt)    :    Refer to the product technical data sheet for VOC information.

**Massachusetts Right To Know**

Diglycidyl resorcinol ether    101-90-6

**Pennsylvania Right To Know**


Epoxy Resin    28064-14-4  
Diglycidyl resorcinol ether    101-90-6  
Limonene dioxide    96-08-2

**New Jersey Right To Know**

Epoxy Resin    28064-14-4  
Diglycidyl resorcinol ether    101-90-6  
Limonene dioxide    96-08-2

**New Jersey Trade Secret**    :    Not Applicable  
**Registry Number for the product (NJ TSRN)**

**California Prop. 65**

 **WARNING:** This product can expose you to chemicals including Diglycidyl resorcinol ether, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**The components of this product are reported in the following inventories:**

TSCA    :    All components of this product are listed active and/or are exempt

Section 4    :    PROPOSED Section 4 / 12(b): Oxirane, 2,2'-[1,3-phenylenebis(oxyethylene)]bis- (101-90-6)

Section 5    Not applicable

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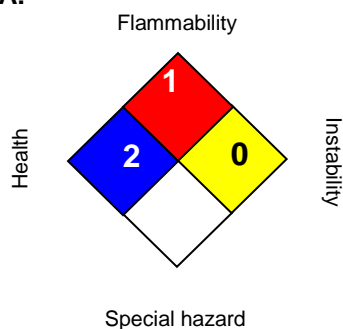
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Section 6

Not applicable

**SECTION 16. OTHER INFORMATION****Further information****NFPA:****HMIS III:**

|                        |           |
|------------------------|-----------|
| <b>HEALTH</b>          | <b>2*</b> |
| <b>FLAMMABILITY</b>    | <b>1</b>  |
| <b>PHYSICAL HAZARD</b> | <b>0</b>  |

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Epoxylite® C 810-1 Hi Temp Hardener**

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**SECTION 1. IDENTIFICATION**

Product name : Epoxylite® C 810-1 Hi Temp Hardener

**Manufacturer or supplier's details**

Company : ELANTAS PDG, INC.  
5200 North 2nd Street  
St. Louis MO 63147  
Telephone : (314) 621-5700  
Visit our web site : [www.elantas.com](http://www.elantas.com)  
E-mail address : [Todd.Thomas@altana.com](mailto:Todd.Thomas@altana.com)  
Emergency telephone number : INFOTRAC - 1-800-535-5053

**Recommended use of the chemical and restrictions on use**

Recommended use : Adhesive

Restrictions on use : This product is for industrial use only. It is not intended for consumer use or retail sale.  
Refer to Section 15 for any restrictions that may apply

**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Combustible dust :  
Serious eye damage : Category 1  
Respiratory sensitisation : Category 1  
Skin sensitisation : Category 1  
Carcinogenicity : Category 1A  
Specific target organ toxicity : Category 1 (Lungs)  
- repeated exposure  
(Inhalation)

**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : May form combustible dust concentrations in air.  
H317 May cause an allergic skin reaction.

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## Precautionary statements

H318 Causes serious eye damage.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H350 May cause cancer.  
H372 Causes damage to organs (Lungs) through prolonged or repeated exposure if inhaled.

: **Prevention:**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P285 In case of inadequate ventilation wear respiratory protection.

**Response:**

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P363 Wash contaminated clothing before reuse.

**Storage:**

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical nature : Modified Aromatic Anhydride

**Hazardous components**

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| Component   | CAS-No.    | Concentration (%) |
|---|------------|-------------------|
| Crystalline silica                                    | 14808-60-7 | >= 40 - < 41      |
| Magnesium Silicate Talc (contains no asbestos fibers) | 14807-96-6 | >= 37 - < 38      |
| Pyromellitic dianhydride                              | 89-32-7    | >= 19 - < 20      |

**SECTION 4. FIRST AID MEASURES**

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : Call a physician or poison control centre immediately.  
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : If on skin, rinse well with water.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.

**SECTION 5. FIREFIGHTING MEASURES**

- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must

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be disposed of in accordance with local regulations.

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Avoid dust formation.  
Avoid breathing dust.  
Ensure adequate ventilation.

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Keep in suitable, closed containers for disposal.

**SECTION 7. HANDLING AND STORAGE**

Advice on safe handling : Avoid formation of respirable particles.  
Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Dispose of rinse water in accordance with local and national regulations.  
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

| Components | CAS-No. | Value type | Control | Basis |
|------------|---------|------------|---------|-------|
|------------|---------|------------|---------|-------|



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|   |            | (Form of exposure)             | parameters / Permissible concentration      |          |
|---|------------|--------------------------------|---|----------|
| Crystalline silica                                    | 14808-60-7 | TWA (total dust)               | 30 mg/m <sup>3</sup> / %SiO <sub>2</sub> +2 | OSHA Z-3 |
| Crystalline silica                                    |            | TWA (respirable)               | 250 mppcf / %SiO <sub>2</sub> +5            | OSHA Z-3 |
| Crystalline silica                                    |            | TWA (respirable)               | 10 mg/m <sup>3</sup> / %SiO <sub>2</sub> +2 | OSHA Z-3 |
| Crystalline silica                                    |            | TWA (respirable dust fraction) | 0.1 mg/m <sup>3</sup>                       | OSHA P0  |
| Crystalline silica                                    |            | TWA (Respirable fraction)      | 0.025 mg/m <sup>3</sup> (Silica)            | ACGIH    |
| Magnesium Silicate Talc (contains no asbestos fibers) | 14807-96-6 | TWA (Dust)                     | 20 Million particles per cubic foot         | OSHA Z-3 |
| Magnesium Silicate Talc (contains no asbestos fibers) |            | TWA (Respirable fraction)      | 2 mg/m <sup>3</sup>                         | ACGIH    |

Hazardous components without workplace control parameters

**Engineering measures**

- : Use with adequate ventilation.
- All application areas should be ventilated in accordance with applicable OSHA regulations. (29 CFR 1910.94)
- Dust formation may be relevant in the processing of this product. In addition to substance-specific OELs, general limitations of concentrations of particulates in the air at workplaces have to be considered in workplace risk assessment. Relevant limits include: OSHA PEL for Particulates Not Otherwise Regulated of 15 mg/m<sup>3</sup> - total dust, 5 mg/m<sup>3</sup> - respirable fraction; and ACGIH TWA for Particles (insoluble or poorly soluble) Not Otherwise Specified of 3 mg/m<sup>3</sup> - respirable particles, 10 mg/m<sup>3</sup> - inhalable particles.
- It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment.
- Preferably use hand tools or low-speed tools equipped, if necessary, with an appropriate dust-extraction facility. If high-speed tools are used, they should always be equipped with such a facility.

**Personal protective equipment**

- Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.
- Dust safety masks are recommended when the dust concentration is more than 10 mg/m<sup>3</sup>.

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|                          |   |
|--------------------------|---|
| Hand protection          |   |
| Remarks                  | : The suitability for a specific workplace should be discussed with the producers of the protective gloves.                                   |
| Eye protection           | : Eye wash bottle with pure water<br>Tightly fitting safety goggles<br>Wear face-shield and protective suit for abnormal processing problems. |
| Skin and body protection | : Choose body protection according to the amount and concentration of the dangerous substance at the work place.                              |
| Hygiene measures         | : When using do not eat or drink.<br>When using do not smoke.<br>Wash hands before breaks and at the end of workday.                          |

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

|   |   |
|---|---|
| Appearance                              | : solid   |
| Odour Threshold                         | : No data available   |
| pH                                      | : No data available   |
| Melting point/freezing point            | : No data available   |
| Initial boiling point and boiling range | : No data available   |
| Vapour pressure                         | : No data available   |
| Flash point                             | : > 201 °F (> 94 °C)<br>Method: No information available.<br>Information taken from reference works and the literature. |
| Upper explosion limit                   | : No data available   |
| Lower explosion limit                   | : No data available   |
| Evaporation rate                        | : No data available   |
| Flammability (solid, gas)               | : May form combustible dust concentrations in air.<br><br>No data available   |
| Relative vapour density                 | : No data available   |
| Relative Density/Specific Gravity       | : No data available   |

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Density : 2.4325 g/cm<sup>3</sup> (77 °F (25 °C))Solubility(ies)  
Water solubility : No data available

Solubility in other solvents : No data available

Partition coefficient: n-  
octanol/water : No data available

Ignition temperature : No data available

Thermal decomposition : No data available

Viscosity  
Viscosity, dynamic : No data available

Viscosity, kinematic : Not applicable

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous  
reactions : No decomposition if stored and applied as directed.

Conditions to avoid : No data available

Hazardous decomposition  
products : Carbon monoxide in a fire.  
Nitrogen oxides in a fire.**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Acute toxicity****Components:****89-32-7 Pyromellitic dianhydride:**

Acute dermal toxicity : LD50 : Remarks: No data available

**Skin corrosion/irritation****Product:**

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Remarks: Extremely corrosive and destructive to tissue.

**Components:****89-32-7 Pyromellitic dianhydride:**

Remarks: No data available

**Serious eye damage/eye irritation****Product:**

Remarks: May cause irreversible eye damage.

**Components:****89-32-7 Pyromellitic dianhydride:**

Species: Rabbit

Result: Severe eye irritation

Method: Draize Test

**Respiratory or skin sensitisation****Product:**

Remarks: Causes sensitisation.

**Components:****89-32-7 Pyromellitic dianhydride:**

Result: No data available

**Carcinogenicity****IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Crystalline silica

14808-60-7

Group 1: Carcinogenic to humans

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP**

Known to be human carcinogen

Crystalline silica

14808-60-7

**Further information****Product:**

Remarks: No data available

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects****Product:**

Results of PBT and vPvB assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Regulation 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : No data available

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

EPA Hazardous Waste Code(s) : none

Waste from residues : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

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**SECTION 14. TRANSPORT INFORMATION****International Regulations****IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**National Regulations****49 CFR**

Not regulated as a dangerous good

**SECTION 15. REGULATORY INFORMATION****EPCRA - Emergency Planning and Community Right-to-Know Act****US. EPA CERCLA Hazardous Substances (40 CFR 302)**

This material does not contain any components with a CERCLA RQ.

**SARA 304 - Emergency Release Notification**

This material does not contain any components with a section 304 EHS RQ.

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)**

This material does not contain any components with a SARA 302 RQ.

**SARA 311/312 Hazards** : Per the June 13, 2016 Federal Register notice, EPA harmonized the EPCRA 311/312 hazard categories with the 2012 OSHA hazard communication standard for classifying and labeling of chemicals (i.e. GHS). Please refer to Section 2 of the SDS to identify the appropriate hazard categories for reporting purposes.

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

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This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Non-volatile (Wt) : Refer to the product technical data sheet for VOC information.

**Massachusetts Right To Know**

|   |            |
|---|------------|
| Crystalline silica                                    | 14808-60-7 |
| Magnesium Silicate Talc (contains no asbestos fibers) | 14807-96-6 |

**Pennsylvania Right To Know**


|   |            |
|---|------------|
| Crystalline silica                                    | 14808-60-7 |
| Magnesium Silicate Talc (contains no asbestos fibers) | 14807-96-6 |
| Pyromellitic dianhydride                              | 89-32-7    |

**New Jersey Right To Know**

|   |            |
|---|------------|
| Crystalline silica                                    | 14808-60-7 |
| Magnesium Silicate Talc (contains no asbestos fibers) | 14807-96-6 |
| Pyromellitic dianhydride                              | 89-32-7    |
| Chlorite  | 1318-59-8  |

**New Jersey Trade Secret Registry Number for the product (NJ TSRN)** : Not Applicable

**California Prop. 65**

 **WARNING:** This product can expose you to chemicals including Crystalline silica, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**The components of this product are reported in the following inventories:**

**TSCA** : We certify that all of the components of this product are either listed on the TSCA Inventory or are not subject to the notification requirements per 40 CFR 720 30(h).

**Section 4 / 12(b)** : Not applicable

**Section 5** : Not applicable

**Section 6** : Not applicable

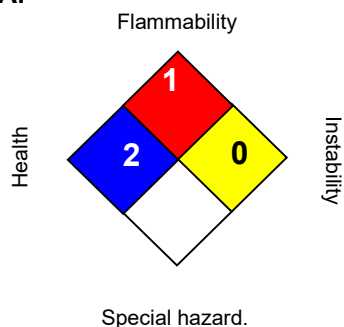
**DSL** : We certify that all of the components of this product are listed on the DSL.

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**SECTION 16. OTHER INFORMATION****Further information****NFPA:****HMIS III:**

|                        |           |
|------------------------|-----------|
| <b>HEALTH</b>          | <b>2*</b> |
| <b>FLAMMABILITY</b>    | <b>1</b>  |
| <b>PHYSICAL HAZARD</b> | <b>0</b>  |

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



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**SECTION 1. IDENTIFICATION**

Product name : EpoxyLite® C 810-1 Hi Temp Accelerator

**Manufacturer or supplier's details**

Company : ELANTAS PDG, INC.  
5200 North 2nd Street  
St. Louis MO 63147  
Telephone : (314) 621-5700  
Visit our web site : [www.elantas.com](http://www.elantas.com)  
E-mail address : [Todd.Thomas@altana.com](mailto:Todd.Thomas@altana.com)  
Emergency telephone number : INFOTRAC - 1-800-535-5053

**Recommended use of the chemical and restrictions on use**

Recommended use : Polymerization Catalyst

Restrictions on use : This product is for industrial use only. It is not intended for consumer use or retail sale.  
Refer to Section 15 for any restrictions that may apply

**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Flammable liquids : Category 4  
Serious eye damage : Category 1  
Skin sensitisation : Category 1  
Reproductive toxicity : Category 2

**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H227 Combustible liquid.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H361 Suspected of damaging fertility or the unborn child.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read

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and understood.

P210 Keep away from heat/sparks/open flames/hot surfaces.

No smoking.

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P363 Wash contaminated clothing before reuse.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:**

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical nature : Organotin Catalyst Solution

**Hazardous components**

| Component                   | CAS-No.  | Concentration (%) |
|-----------------------------|----------|-------------------|
| 2-Furanmethanol, tetrahydro | 97-99-4  | >= 50 - < 51      |
| Tin compound                | 301-10-0 | >= 48 - < 49      |
| 2-Ethylhexanoic acid        | 149-57-5 | >= 1 - < 2        |

**SECTION 4. FIRST AID MEASURES**

General advice : Move out of dangerous area.  
Consult a physician.

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|                         |   |
|-------------------------|---|
|                         | Show this safety data sheet to the doctor in attendance.<br>Do not leave the victim unattended.   |
| If inhaled              | : If unconscious, place in recovery position and seek medical advice.<br>If symptoms persist, call a physician.   |
| In case of skin contact | : If on skin, rinse well with water.<br>If on clothes, remove clothes.  |
| In case of eye contact  | : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.<br>In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.<br>Continue rinsing eyes during transport to hospital.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist. |
| If swallowed            | : Keep respiratory tract clear.<br>Do NOT induce vomiting.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.<br>Take victim immediately to hospital.  |

**SECTION 5. FIREFIGHTING MEASURES**

|   |   |
|---|---|
| Suitable extinguishing media                  | : Carbon dioxide (CO <sub>2</sub> )   |
| Unsuitable extinguishing media                | : High volume water jet   |
| Specific hazards during firefighting          | : Do not allow run-off from fire fighting to enter drains or water courses.   |
| Further information                           | : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.<br>For safety reasons in case of fire, cans should be stored separately in closed containments.<br>Use a water spray to cool fully closed containers. |
| Special protective equipment for firefighters | : Wear self-contained breathing apparatus for firefighting if necessary.  |

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
- Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Absorb with inert absorbent material and dispose of in accordance with applicable regulations.
- Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Keep in suitable, closed containers for disposal.

**SECTION 7. HANDLING AND STORAGE**

- Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
To avoid spills during handling keep bottle on a metal tray.  
Dispose of rinse water in accordance with local and national regulations.  
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- Conditions for safe storage : No smoking.  
Keep container tightly closed in a dry and well-ventilated place.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

| Components | CAS-No. | Value type<br>(Form of exposure) | Control parameters / Permissible | Basis |
|------------|---------|----------------------------------|----------------------------------|-------|
|            |         |                                  |                                  |       |

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|                             |          |                                    | concentration   |           |
|-----------------------------|----------|------------------------------------|-----------------|-----------|
| 2-Furanmethanol, tetrahydro | 97-99-4  | TWA                                | 0.5 ppm         | US WEEL   |
| Tin compound                | 301-10-0 | TWA                                | 0.1 mg/m3 (Tin) | OSHA Z-1  |
| Tin compound                |          | TWA                                | 0.1 mg/m3 (Tin) | ACGIH     |
| Tin compound                |          | STEL                               | 0.2 mg/m3 (Tin) | ACGIH     |
| Tin compound                |          | TWA                                | 0.1 mg/m3 (Tin) | OSHA P0   |
| Tin compound                |          | TWA                                | 0.1 mg/m3 (Tin) | NIOSH REL |
| 2-Ethylhexanoic acid        | 149-57-5 | TWA (Inhalable fraction and vapor) | 5 mg/m3         | ACGIH     |

**Engineering measures** : Use with adequate ventilation.  
 All application areas should be ventilated in accordance with applicable OSHA regulations. (29 CFR 1910.94)

**Personal protective equipment**

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

Hand protection  
 Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water  
 Tightly fitting safety goggles  
 Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Impervious clothing  
 Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.  
 When using do not smoke.  
 Wash hands before breaks and at the end of workday.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid

Odour Threshold : No data available

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|   |   |
|---|---|
| pH                                      | : No data available                               |
| Melting point/freezing point            | : No data available                               |
| Initial boiling point and boiling range | : No data available                               |
| Vapour pressure                         | : No data available                               |
| Flash point                             | : 165 °F (74 °C)<br>Method: ASTM D 93, closed cup |
| Upper explosion limit                   | : No data available                               |
| Lower explosion limit                   | : No data available                               |
| Evaporation rate                        | : No data available                               |
| Flammability (solid, gas)               | : No data available                               |
| Relative vapour density                 | : No data available                               |
| Relative Density/Specific Gravity       | : No data available                               |
| Density                                 | : 1.1380 g/cm <sup>3</sup> (77 °F (25 °C))        |
| Solubility(ies)                         |   |
| Water solubility                        | : No data available                               |
| Solubility in other solvents            | : No data available                               |
| Partition coefficient: n-octanol/water  | : No data available                               |
| Ignition temperature                    | : No data available                               |
| Thermal decomposition                   | : No data available                               |
| Viscosity                               |   |
| Viscosity, dynamic                      | : No data available                               |
| Viscosity, kinematic                    | : > 21 mm <sup>2</sup> /s (104 °F (40 °C))        |

**SECTION 10. STABILITY AND REACTIVITY**

|            |   |
|------------|---|
| Reactivity | : No decomposition if stored and applied as directed. |
|------------|---|

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|                                    |   |
|------------------------------------|---|
| Chemical stability                 | : No decomposition if stored and applied as directed.   |
| Possibility of hazardous reactions | : No decomposition if stored and applied as directed.<br><br>Vapours may form explosive mixture with air. |
| Conditions to avoid                | : Heat, flames and sparks.  |
| Hazardous decomposition products   | : Carbon monoxide in a fire.<br>Nitrogen oxides in a fire.  |

**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Acute toxicity****Product:**

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : 3,317 mg/kg  
Method: Calculation method

**Components:****97-99-4 2-Furanmethanol, tetrahydro:**

Acute dermal toxicity : LD50 (Guinea pig): 5,000 mg/kg

**301-10-0 Tin compound:**

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

**149-57-5 2-Ethylhexanoic acid:**

Acute oral toxicity : LD50 (Rat): 3,000 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 1.260 mg/kg

LD50 (Rat, male and female): 2,001 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes

**Skin corrosion/irritation****Product:**

Remarks: Extremely corrosive and destructive to tissue.

**Components:****301-10-0 Tin compound:**

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Result: Moderate skin irritation

**149-57-5 2-Ethylhexanoic acid:**

Species: Rabbit

Result: Mild skin irritation

Species: Rabbit

Method: OECD Test Guideline 404

Result: No skin irritation

GLP: yes

**Serious eye damage/eye irritation****Product:**

Remarks: May cause irreversible eye damage.

**Components:****301-10-0 Tin compound:**

Result: Moderate eye irritation

**149-57-5 2-Ethylhexanoic acid:**

Species: Rabbit

Result: Severe eye irritation

Method: Draize Test

Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

GLP: yes

**Respiratory or skin sensitisation****Product:**

Remarks: Causes sensitisation.

**Components:****301-10-0 Tin compound:**

Result: Causes sensitisation.

**149-57-5 2-Ethylhexanoic acid:**

Test Type: Maximisation Test

Exposure routes: Dermal

Species: Guinea pig

Method: OECD Test Guideline 406

Result: Does not cause skin sensitisation.

GLP: yes

**Carcinogenicity**



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**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Further information****Product:**

Remarks: No data available

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects****Product:**

Results of PBT and vPvB assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Regulation

40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information

: No data available

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

EPA Hazardous Waste Code(s) : none

Waste from residues : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

**SECTION 14. TRANSPORT INFORMATION****International Regulations****IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**National Regulations****49 CFR**

Not regulated as a dangerous good

**SECTION 15. REGULATORY INFORMATION****EPCRA - Emergency Planning and Community Right-to-Know Act****US. EPA CERCLA Hazardous Substances (40 CFR 302)**

This material does not contain any components with a CERCLA RQ.

**SARA 304 - Emergency Release Notification**

This material does not contain any components with a section 304 EHS RQ.

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)**

This material does not contain any components with a SARA 302 RQ.

**SARA 311/312 Hazards** : Per the June 13, 2016 Federal Register notice, EPA

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harmonized the EPCRA 311/312 hazard categories with the 2012 OSHA hazard communication standard for classifying and labeling of chemicals (i.e. GHS). Please refer to Section 2 of the SDS to identify the appropriate hazard categories for reporting purposes.

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Non-volatile (Wt) : Refer to the product technical data sheet for VOC information.

**Massachusetts Right To Know**

|                             |          |
|-----------------------------|----------|
| 2-Furanmethanol, tetrahydro | 97-99-4  |
| Tin compound                | 301-10-0 |

**Pennsylvania Right To Know**

|                             |          |
|-----------------------------|----------|
| 2-Furanmethanol, tetrahydro | 97-99-4  |
| Tin compound                | 301-10-0 |

**New Jersey Right To Know**

|                             |          |
|-----------------------------|----------|
| 2-Furanmethanol, tetrahydro | 97-99-4  |
| Tin compound                | 301-10-0 |
| 2-Ethylhexanoic acid        | 149-57-5 |

**New Jersey Trade Secret Registry Number for the product (NJ TSRN)** : Not Applicable

**California Prop. 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**The components of this product are reported in the following inventories:**

TSCA : We certify that all of the components of this product are either

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Version 6

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Print Date 08/22/2019

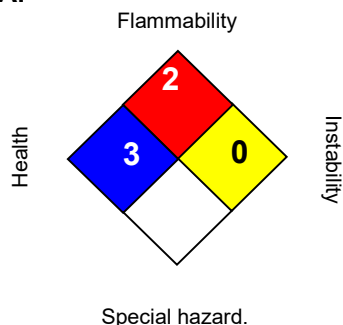
listed on the TSCA Inventory or are not subject to the notification requirements per 40 CFR 720.30(h).

Section 4 / 12(b) : Not applicable

Section 5 : Not applicable

Section 6 : Not applicable

DSL : We certify that all of the components of this product are listed on the DSL.

**SECTION 16. OTHER INFORMATION**
**Further information**
**NFPA:**

**HMIS III:**

|                        |           |
|------------------------|-----------|
| <b>HEALTH</b>          | <b>3*</b> |
| <b>FLAMMABILITY</b>    | <b>2</b>  |
| <b>PHYSICAL HAZARD</b> | <b>0</b>  |

0 = not significant, 1 = Slight,  
 2 = Moderate, 3 = High  
 4 = Extreme, \* = Chronic

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.