Section -1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1. Product Identifier: CS-3204 CLASS B (TYPE 2) All Application Times - Pre-Mix and Frozen
- Product Name: Integral Fuel Tank Sealant /Pre-Mix and Frozen
- Product reference: CS-3204 CLASS B PRE-MIX and FROZEN

1.2. Product Use:
- Integral Fuel Tank Sealant/Pre-Mix and Frozen

1.3. Manufacturer’s Name:
CAGE Code: 14439
Flamemaster Corp.
Chem Seal Division
13576 Desmond Street
Pacoima, CA 91333 – USA

1.3.1 Suppliers Name ( if not manufacturer )

1.4. Emergency Telephone:
Flamemaster Corp.
Chemtrec – Chemtrec International
Tel: 818-890-1401
Fax: 818-890-6001
800-424-9300 ( North America)
703-527-3887 (Outside North America)
www.flamemaster.com

Specification: AMS-S-8802
CLASS B
PRE-MIX AND FROZEN
ALL

<table>
<thead>
<tr>
<th>NSN:</th>
<th></th>
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<tbody>
<tr>
<td>CS3204B-2 6 OZ. PMF</td>
<td>8030-01-333-4822</td>
<td>8030-01-333-4823</td>
</tr>
<tr>
<td>CS3204B-2 2.5 OZ. PMF</td>
<td>8030-01-387-3196</td>
<td>CS3204B-2 1.0 OZ. PMF</td>
</tr>
</tbody>
</table>

Vapors are heavier than air and will collect at low points. Dry ice releases Carbon Dioxide and poses serious suffocation hazard. In confined areas or areas without proper ventilation wear self contained breathing apparatus. MAY CAUSE CRYOGENIC BURNS OR OTHER INJURY

This sds is provided without any warranty expressed or implied regarding its correctness or suitability for specific situations. The conditions of handling, storage, use and disposal are beyond our control and may be beyond our knowledge.
OSHA/HCS STATUS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

CLASSIFICATION OF THE MIXTURE:
ASPIRATION HAZARD 1, H304
ACUTE TOXICITY (ORAL) 4, H302
ACUTE TOXICITY (INHALATION) 4, H332
SKIN SENSITIZATION 1, H317
SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A
CARCINOCENITY - Category 2
TOXIC TO REPRODUCTION (UNBORN CHILD) - Category 2
TOXIC TO REPRODUCTION (FERTILITY) 2, H361f
SPECIFIC TARGET ORGAN TOXICITY (STOT) REPEATED EXPOSURE 2, H373
AQUATIC CHRONIC 4, 413

GHS LABEL REQUIREMENTS
HAZARD PICTOGRAMS

SIGNAL WORD : DANGER

HAZARD STATEMENTS:
May Be Fatal If Swallowed and Enters Airways.
Harmful by Inhalation and/or Swallowing
May Cause An Allergic Skin Reaction
CAUSES SERIOUS EYE IRRITATION
CAUSES SKIN IRRITATION
Suspected of Damaging Fertility
SUSPECTED OF DAMAGING THE UNBORN CHILD
SUSPECTED OF CAUSING CANCER - (H351)
May Cause Damage to Organs Through Prolonged or Repeated Exposure
May Cause Long Lasting Harmful Effects to Aquatic Life

PRECAUTIONARY STATEMENTS:

- P101+P102+P103: If medical advice is needed, have product container or label at hand. Keep out of reach of children.
- Read label before use
- P202: Do not handle until all safety precautions have been read and understood
- P210: Keep away from heat/sparks/open flames and hot surfaces-No Smoking
- P240:Ground/bond container and receiving equipment
- P261+P262+P263+P264: Avoid breathing dust/fumes/gas/mist/vapours/spray. Do not get in eyes, skin, on clothing. Avoid contact during pregnancy/while nursing. Wash thoroughly after handling.
- P270+P271+P273: Do not eat drink or smoke when using this product. Use only outdoors or in a well ventilated area. Avoid release to the environment.
- P281+P288: Use personal protective equipment as required. Wear protective gloves/protective clothing/eye protection/face protection
- P301+P310+P331: If swallowed: Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting.
- P305+P351+P338+P315: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
- P304+P340+P314: If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell

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Continued From Previous Page

- **P342+P340+P315:** If experiencing respiratory symptoms: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get immediate medical advice/attention.
- **P302+P352:** If on skin (or in hair): Wash with plenty of soap and water. If skin irritation occurs seek medical attention
- **P306+P361:** If on clothing: Remove/take off immediately all contaminated clothing
- **P402+P403+P404:** Store in a dry place. Store in a well ventilated space. Store in a closed container.
- **P233+P234+P235:** Keep container tightly closed. Keep only in original container. Keep cool.

**SUPPLEMENTAL LABEL ELEMENTS:**

Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of concentrations above recommended limits causes headaches, drowsiness and nausea and could lead to unconsciousness or possibly death.

1-component mixtures: formaldehyde is released during the curing phase. Formaldehyde may cause irreversible effects, is irritating to the mucous membranes and may cause the skin to become sensitized.

Avoid any contact with skin or clothing and wash thoroughly after handling.

Emits toxic fumes when heated.

**HAZARDS NOT OTHERWISE CLASSIFIED:**

Prolonged or repeated exposure may dry skin and/or cause skin irritation.

**Vapors are heavier than air and will collect at low points. Dry ice releases Carbon Dioxide and poses serious suffocation hazard. In confined areas or areas without proper ventilation wear self contained breathing apparatus. MAY CAUSE CRYOGENIC BURNS OR OTHER INJURY**

**Section -3. COMPOSITION / INFORMATION ON INGREDIENTS**

**Chemical family:** Mixture of organic compounds

For the hazards of the composition, (SDS see Section 2).

**GHS CLASSIFICATION:** LIQUID POLYMER // OSHA HAZARDS: TARGET ORGAN EFFECT, IRRITANT, FLAMMABLE LIQUID <70%

- **EYE IRRITATION (CATEGORY 2)**
- **SKIN IRRITATION (CATEGORY 2)**
- **SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE-(CATEGORY 3)**
- **AQUATIC, CHRONIC (CATEGORY 3)**

**GHS CLASSIFICATION:** LIQUID POLYMER // OSHA HAZARDS: TARGET ORGAN EFFECT, IRRITANT, FLAMMABLE LIQUID <70%

- **EYE IRRITATION (CATEGORY 2)**
- **SKIN IRRITATION (CATEGORY 2)**
- **SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE-(CATEGORY 3)**
- **AQUATIC, CHRONIC (CATEGORY 3)**

**GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS): TOLUENE** <3%

- **FLAMMABLE LIQUIDS (CATEGORY 2), H225**
- **SKIN IRRITATION (CATEGORY 2), H315**
- **REPRODUCTIVE TOXICITY (CATEGORY 2), H361**
- **SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE-(CATEGORY 3), CENTRAL NERVOUS SYSTEM, H336**
- **SPECIFIC TARGET ORGAN TOXICITY-REPEATED EXPOSURE (CATEGORY 2), H373**
- **ASPIRATION HAZARD (CATEGORY 1), H304**
- **ACUTE AQUATIC TOXICITY (CATEGORY 2), H401**

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**CALCIUM CARBONATE:**
- GHS CLASSIFICATION: CALCIUM CARBONATE
- EYE DAMAGE (CATEGORY 1)
- SKIN IRRITATION (CATEGORY 2)
- SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE-(CATEGORY 3)
  - CAS#72608-12-9

**TITANIUM DIOXIDE**
- OSHA HAZARDS: CARCINOGEN
- GHS CLASSIFICATION: TITANIUM DIOXIDE
- SKIN IRRITATION: (CATEGORY 3)
  - CAS# 13463-67-7

**Bisphenol A- Epoxy Resin with Toluene**
- FLAMMABLE LIQUIDS - CATEGORY 2
- SKIN CORROSION/IRRITATION - CATEGORY 2
- SERIOUS EYE DAMAGE/EYE IRRITATION - CATEGORY 2A
- SKIN SENSITIZATION - CATEGORY 1
- TOXIC TO REPRODUCTION (UNBORN CHILD) - CATEGORY 2
- SPECIFIC TARGET ORGAN TOXICITY ( SINGLE EXPOSURE) (NARCOTIC EFFECTS) - CATEGORY 3
- AQUATIC HAZARD (ACUTE) - CATEGORY 2
- AQUATIC HAZARD (LONG TERM) - CATEGORY 3
  - CAS# N/A

**CHEMICAL NAME: MANGANESE DIOXIDE**
- CAS# 1313-13-9
- EC# 215-202-6
- <65% by weight
- AQUATIC CHRONIC (CATEGORY 4) - H413
- CHEMICAL NAME: THERPHENYL, HYDROGENATED
- CAS# 61788-32-7
- EC# 262-967-7
- <50% by weight
- CHEMICAL NAME: ZEOLITES
- NOT CLASSIFIED
- CHEMICAL NAME: TALC
- NOT CLASSIFIED
- CHEMICAL NAME: CARBON BLACK
- NOT CLASSIFIED
- CHEMICAL NAME: THERPHENYL
- CAS# 26140-60-3
- EC# 247-477-3
- <10% by weight
- CHEMICAL NAME: 1,3 DIPHENYLGUANIDINE
- CAS# 102-06-7
- EC# 203-002-1
- <3% by weight

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Section -4. FIRST-AID MEASURES

General: When in doubt or symptoms persist, seek medical attention. Have Safety Data Sheet information available. Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air, if breathing has stopped, administer artificial respiration. Give nothing by mouth, seek immediate medical attention.

Eye contact: Remove any contact lenses if present and easy to do. Irrigate with clean, fresh water for at least 15 minutes, holding the eye lids apart, and seek immediate medical attention.

Skin contact: Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognized skin cleaners. Do NOT use aromatic solvents, thinners or petroleum products.

Ingestion: If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

Vapors are heavier than air and will collect at low points. Dry ice releases Carbon Dioxide and poses serious suffocation hazard. In confined areas or areas without proper ventilation wear self contained breathing apparatus. MAY CAUSE CRYOGENIC BURNS OR OTHER INJURY

Section -5. FIRE-FIGHTING MEASURES

Extinguishing agents

Recommended: Universal resistant foam, CO2, water, powder.

Agents to avoid: None known

Attention

Promptly remove all persons in the event of a fire from the fire area. If safe to do so, remove all containers from fire area as well.

Fire will produce dense black smoke. Exposure to decomposition products may cause a Health Hazard. Fire fighters should wear self-contained breathing apparatus.

Water mist may be used to cool closed containers to prevent pressure build-up and possible auto-ignition and explosion when exposed to extreme heat.

Do not weld, flame cut or expose to extreme heat or ignition sources, empty containers which have contained flammable products.

Do not allow run-off from fire fighting to enter drains or water courses.

HAZARDOUS DECOMPOSITION PRODUCTS INCLUDE BUT MAY NOT BE LIMITED TO THE FOLLOWING:

- Carbon Monoxide
- Sulfur Oxides
- Carbon Dioxide
- Formaldehyde
- Manganese Compounds
- Nitrogen Oxides
- Nitrogen Oxides can react with water vapors to form corrosive nitric acid
- Unidentified Organic and Inorganic Compounds
- Other Hazardous Materials

Emits toxic fumes when heated.

Continued on Next Page
In case of inhalation of decomposition products released in a fire, symptoms may be delayed. Exposed persons may need to be kept under medical surveillance for at least 48 hours.

Vapors are heavier than air and will collect at low points. Dry ice releases Carbon Dioxide and poses serious suffocation hazard. In confined areas or areas without proper ventilation wear self contained breathing apparatus. **MAY CAUSE CRYOGENIC BURNS OR OTHER INJURY**

**Section -6. ACCIDENTAL RELEASE MEASURES**

Eliminate sources of ignition, ventilate the area. Avoid breathing vapors by using appropriate respiratory protective equipment. Refer to protective measures listed in sections 7 & 8. Collect spill with non-combustible absorbent materials, e.g. sand, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with local regulations (see section 13). Do not allow to enter drains or watercourses.

Clean-up with a detergent/ water mix ; avoid use of aromatic solvents. If the product enters drains or watercourses, inform authority with jurisdiction in accordance with state / local regulations. **Vapors are heavier than air and will collect at low points. Dry ice releases Carbon Dioxide and poses serious suffocation hazard. In confined areas or areas without proper ventilation wear self contained breathing apparatus. MAY CAUSE CRYOGENIC BURNS OR OTHER INJURY**

**Section -7. HANDLING AND STORAGE**

**7.1 Handling:**

No smoking, eating and drinking during handling. Wash hands and face before eating, drinking, or smoking. Avoid exposure during pregnancy.

Keep containers tightly closed. Prior to movement containers which are opened should be carefully resealed. Avoid skin and eye contact. Avoid inhalation in case of exposure to vapor and spray mist.

Handle and open containers with care to avoid spilling of contents. Never use pressure to empty; container is not a pressure vessel. Clean or discard contaminated clothing and shoes.

Preparation may charge electrostatically; always use grounding/ bonding/ earthing leads when transferring contents of containers. Operators should wear antistatic footwear and clothing, and floors should be electrically conductive.

Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapor in air, and avoid vapor concentration higher than the Occupational Exposure Limits.

Use in areas from which local sources of ignition have been excluded. Electrical equipment including lighting should be protected to the appropriate standard. Isolate from sources of heat, sparks and open flame. Non-sparking tools are recommended.

**Vapors are heavier than air and will collect at low points. Dry ice releases Carbon Dioxide and poses serious suffocation hazard. In confined areas or areas without proper ventilation wear self contained breathing apparatus. MAY CAUSE CRYOGENIC BURNS OR OTHER INJURY**

**7.2 Storage:**

Observe label precautions. Store between 32/F and 95/F ( 0/C and 35/C ) in a dry, clean and well ventilated place, away from sources of heat, ignition, and direct sunlight. For flash points below 23 °C store in an area constructed to the appropriate standard

**Vapors are heavier than air and will collect at low points. Dry ice releases Carbon Dioxide and poses serious suffocation hazard. In confined areas or areas without proper ventilation wear self contained breathing apparatus. MAY CAUSE CRYOGENIC BURNS OR OTHER INJURY**

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Engineering measures:
Avoid the inhalation of vapors, spray mist and particulates. Achieve by local exhaust ventilation providing good general
extraction as to keep air-borne concentration below the Occupational Exposure Limits (OEL).
If local / area ventilation is not sufficient to comply with OEL, suitable (NIOSH) respiratory protection to be provided. Always
provide suitable (NIOSH) respiratory protection when sanding, grinding or otherwise abrading cured material.

8.2 Exposure limits

<table>
<thead>
<tr>
<th>Substance</th>
<th>OSHA</th>
<th>ACGIH TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIQUID POLYMER</td>
<td>Not known</td>
<td>Not known</td>
</tr>
<tr>
<td>LIQUID POLYMER</td>
<td>Not known</td>
<td>Not known</td>
</tr>
<tr>
<td>TOLUENE (Methylbenzene)*</td>
<td>200 ppm</td>
<td>20 ppm</td>
</tr>
<tr>
<td>CALCIUM CARBONATE *</td>
<td>5 mg/m³ (RESPIRABLE FRACTION)</td>
<td>3 mg/m³ (RESPIRABLE FRACTION)</td>
</tr>
<tr>
<td>CALCIUM CARBONATE *</td>
<td>15mg/m³ (TOTAL DUST)</td>
<td>10 mg/m³ (TOTAL DUST)</td>
</tr>
<tr>
<td>TITANIUM DIOXIDE *</td>
<td>15mg/m³ (TOTAL DUST)</td>
<td>10 mg/m³ (TOTAL DUST)</td>
</tr>
</tbody>
</table>

* can be absorbed through skin

Manganese Dioxide
TWA: 0.1mg/m³ (as Mn) 8 hours (Inhalable Fraction)
TWA: 0.02mg/m³ (as Mn) 8 hours (Respirable Fraction)

Terphenyl, Hydrogenated
TWA: 4.9 mg/m³ 8 hours
TWA: 0.5 ppm 8 hours

Zeolites
TWA: 1mg/m³ 8 hours (Respirable Fraction)

Talc
TWA: 2mg/m³ 8 hours (Respirable Fraction)

Carbon Black
TWA: 3mg/m³ 8 hours (Inhalable Fraction)

Terphenyl
C: 5mg/m³
C: 0.53 ppm

MAGNESIUM CARBONATE
TWA: 5mg/m³ (Respirable Fraction)
TWA: 15 mg/m³ 8 hours (Total Dust)

8.3 Personal protection
All Personal Protective Equipment, including Respiratory Protection, used to control exposure to hazardous substances
must be selected to meet the requirements of OSHA Regulations.

Respiratory protection:
Appropriate respiratory protection equipment should be selected according to the type of contaminants, following
regulatory (OSHA / NIOSH) and manufacturers instructions including proper fitting of devices.

Hand protection:
For prolonged or repeated contact, recommend gloves type: polyvinyl alcohol, nitrile rubber, latex rubber (some
people may exhibit sensitivity to Latex). Barrier creams may help to protect exposed areas of the skin. However, they
should not be applied post exposure.

Eye protection:
Use safety glasses with side shields to protect against splashes. Face shields may also be worn.

Continued on Next Page
Skin protection:
Protective clothing made of antistatic and fire resistant fibers. All parts of the body should be washed after contact. Use good hygiene and industrial practices, keep working clothes clean.

Vapors are heavier than air and will collect at low points. Dry ice releases Carbon Dioxide and poses serious suffocation hazard. In confined areas or areas without proper ventilation wear self contained breathing apparatus.
MAY CAUSE CRYOGENIC BURNS OR OTHER INJURY

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state at: 68 °F (20 °C) Liquid
- Flash point: 200 °F (93 °C) Method: TCC
- Specific gravity at: 68 °F (20 °C) N/A
- Vapor Density: NIL
- Lower Explosive Limit (% vol.): N/A
- Upper Explosive Limit (% vol.): N/A
- Miscibility in water at 20 °C: NEGLIGIBLE
- VOC: N/A
- Ph: N/A
- Volatile by VOLUME: N/A
- Vapor pressure at: 68 °F (20 °C) NIL
- Color: Gray to Black
- Appearance: PASTE
- Odor: Polysulfide Odor
- Boiling Point: Unknown
- Material Supports Combustion: Yes

10. STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions (see SDS section 7). In case of combustion,

HAZARDOUS DECOMPOSITION PRODUCTS INCLUDE BUT MAY NOT BE LIMITED TO THE FOLLOWING:

- Carbon Monoxide
- Sulfur Oxides
- Carbon Dioxide
- Formaldehyde
- Manganese Compounds
- Nitrogen Oxides
- Halogenated Compounds
- Oxides of Carbon, Nitrogen, Sulfur Dioxide, Trace Hydrogen Sulfide
- Metal Oxide / Oxides
- Smoke
- Sulfur Oxides
- Airborn Solid and Liquid Particulates

Nitrogen Oxides can react with water vapors to form corrosive nitric acid
- Unidentified Organic and Inorganic Compounds
- Other Hazardous Materials

Emits toxic fumes when heated.

In case of inhalation of decomposition products released in a fire, symptoms may be delayed. Exposed persons may need to be kept under medical surveillance for at least 48 hours.

Vapors are heavier than air and will collect at low points. Dry ice releases Carbon Dioxide and poses serious suffocation hazard. In confined areas or areas without proper ventilation wear self contained breathing apparatus.
MAY CAUSE CRYOGENIC BURNS OR OTHER INJURY

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11. TOXICOLOGICAL INFORMATION

There are no data available on the preparation itself. See (SDS Sections 3 and 15) for details.

Exposure to component solvents vapors at concentrations in excess of the stated Occupational Exposure Limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Symptoms and signs of overexposure include headache, dizziness, fatigue, muscular weakness, drowsiness, reduced fetal weight, increase in fetal deaths, skeletal malformations, and in extreme cases loss of consciousness.

Repeated or prolonged contact with the preparation may cause Defatting of the skin resulting in non-allergic dermatitis and absorption through the skin.

The liquid splashed in the eyes causes serious eye irritation and damage.

Irritating to mouth, throat and stomach. Ingestion causes reduced fetal weight, increased fetal deaths and skeletal malformations.

Formaldehyde is released during curing.

---

ACUTE TOXICITY:

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>RESULT</th>
<th>SPECIES</th>
<th>DOSE</th>
<th>EXPOSURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td>LD50 ORAL</td>
<td>Rat</td>
<td>6450 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Toluene</td>
<td>LC50 Inhalation Vapor</td>
<td>Rat</td>
<td>49 g/m³</td>
<td>4 Hours</td>
</tr>
<tr>
<td></td>
<td>LD50 Inhalation Vapor</td>
<td>Rat</td>
<td>8000 ppm</td>
<td>4 Hours</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>8.39 g/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 ORAL</td>
<td>Rat</td>
<td>636 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 ORAL</td>
<td>Rat</td>
<td>&gt;10g/kg</td>
<td>-</td>
</tr>
<tr>
<td>Bisphenol A- Epoxy Resin</td>
<td>LD50 Dermal</td>
<td>Rat</td>
<td>&gt;2000 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 ORAL</td>
<td>Rat</td>
<td>&gt;2000 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Manganese Dioxide</td>
<td>LD50 ORAL</td>
<td>Rat</td>
<td>3478 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Terphenyl, Hydrogenated</td>
<td>LD50 ORAL</td>
<td>Rat</td>
<td>17500 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Zeolites</td>
<td>LD50 ORAL</td>
<td>Rat</td>
<td>&gt;5 g/kg</td>
<td>-</td>
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<tr>
<td>Carbon Black</td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>&gt;3 g/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>&gt;15400mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Terphenyl</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>&gt;1400 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Magnesium Carbonate</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>8000mg/kg</td>
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<tr>
<td>1, 3-Diphenylguanidine</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>323mg/kg</td>
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CARCINOGENICITY:

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<th>IARC</th>
<th>OSHA</th>
<th>NTP</th>
<th>CAS#</th>
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<tbody>
<tr>
<td>TOLUENE :</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>108-88-3</td>
</tr>
<tr>
<td>TITANIUM DIOXIDE :</td>
<td>2B</td>
<td>-</td>
<td>-</td>
<td>13463-67-7</td>
</tr>
<tr>
<td>Zeolites</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Carbon Black, Respirable Powder</td>
<td>2B</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>
12. ECOLOGICAL INFORMATION

There is no data available on the preparation itself. Do not allow the product to enter drains or water ways. See (SDS Sections 3 and 15)
Never allow this material, any solutions, or any by-products, as well as any run-off, to come into contact with soil, waterways, wildlife habitats, drains, sewers, and / or the ocean. Avoid release into environment.

Toxicity :

<table>
<thead>
<tr>
<th>Product / Ingredient</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Dioxide</td>
<td>Acute LC50&gt;100mg/l Fresh Water</td>
<td>Daphnia</td>
<td>48 Hours</td>
</tr>
</tbody>
</table>

Persistence and Degradability :

<table>
<thead>
<tr>
<th>Product / Ingredient</th>
<th>Aquatic Half Life</th>
<th>Photolysis</th>
<th>Biodegradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>-</td>
<td>-</td>
<td>Readily (5 days - 81 %)</td>
</tr>
<tr>
<td>bisphenol A - epoxy resins</td>
<td>-</td>
<td>-</td>
<td>Not Readily Biodegradeable (28 days - 5%)</td>
</tr>
</tbody>
</table>

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13. DISPOSAL CONSIDERATIONS
Recommended incineration or landfill as hazardous waste per Federal, State and local regulations.
React with curing agent and dispose of as hazardous waste per Federal, State and local regulations. Recommended incineration or landfill.
Empty containers and/or liners may contain material residue. Empty contaminated packagings thoroughly. Dispose in accordance with all Federal, State, and local health and environmental regulations.
Never allow this material, any solutions, or any by-products, as well as any run-off, to come into contact with soil, waterways, wildlife habitats, drains, sewers, and / or the ocean. Avoid release into environment.

14. TRANSPORT INFORMATION
DOT: § 172.101 HAZARDOUS MATERIALS TABLE
UN Number: 1845
Proper Shipping Name: Carbon Dioxide Solid (Dry Ice)
Labels: Carbon Dioxide Solid (Dry Ice)
Hazard Class: 9 Subclass: NO
Packaging Group: III
Passenger Air Packing Instruction: 355
Passenger aircraft: 60 Liter (16 gallon)
Cargo Air Packing Instruction: 366
Cargo aircraft only: 220 Liter (58 gallon)
IMDG:
UN Number: 1845
Proper Shipping Name: Carbon Dioxide Solid (Dry Ice)
Label: Carbon Dioxide Solid (Dry Ice)
Hazard Class: 9 Subclass: NO
Packaging Group: III
EMS No: F, E – S, D
Schedule B #: 3506.91.0000

Vapors are heavier than air and will collect at low points. Dry ice releases Carbon Dioxide and poses serious suffocation hazard. In confined areas or areas without proper ventilation wear self contained breathing apparatus.
MAY CAUSE CRYOGENIC BURNS OR OTHER INJURY

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### US Regulations Federal

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight %</th>
<th>Threshold limit (Reporting Value)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOLUENE (Methylbenzene)</td>
<td>108-88-3</td>
<td>&lt;3%</td>
<td>Unknown</td>
</tr>
<tr>
<td>LIQUID POLYMER</td>
<td>N/A</td>
<td>&lt;70%</td>
<td>Unknown</td>
</tr>
<tr>
<td>LIQUID POLYMER</td>
<td>N/A</td>
<td>&lt;70%</td>
<td>Unknown</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
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<td>&lt;45%</td>
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</tr>
<tr>
<td>Titanium Dioxide</td>
<td>*13463-67-7</td>
<td>&lt; 10%</td>
<td>Unknown</td>
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<tr>
<td>Manganese Dioxide</td>
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<td><em>(DELETED CAS# 98084-96-9)</em></td>
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</table>

*SARA notifications must remain attached to this SDS. Any copies and/or distribution of this SDS must include all SARA notifications. All remaining Constituents are non-hazardous per FED-STD-313 All Constituents are listed in TSCA inventory; complete mixture is excluded Per TSCA Par. 710.4 (d) 95 (6) (7) Constituents are not listed in TSCA 12b CORR. LIST*

### US Regulations State

<table>
<thead>
<tr>
<th>State</th>
<th>Regulation</th>
<th>Chemical Name</th>
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<tr>
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<td>California Proposition 65 (Developmental – Female)</td>
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<td>&gt;= 1.0%</td>
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Classification:  Immediate (acute) health hazard
    Delayed (chronic) health hazard

**Liquid Polymer:** Immediate (acute) Health Hazard

**Toluene:** Fire Hazard, Immediate (acute) Health Hazard, Delayed (chronic) Health Hazard

**Titanium Dioxide:** Delayed (chronic) Health Hazard

**Sudden Release Of Pressure:** No Products

**Reactivity:** No Products

**Manganese Dioxide:** Immediate (acute) health hazard
    Delayed (chronic) health hazard

**Zeolites:** Immediate (acute) health hazard

**Polyphenyls, quater and higher:** Immediate (acute) health hazard

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Talc: Immediate (acute) health hazard

Carbon Black: Fire Hazard
Delayed (chronic) health hazard

Terphenyl: Immediate (acute) health hazard

1,3-Diphenylguanidine: Fire Hazard
Immediate (acute) health hazard
Delayed (chronic) health hazard

Bis(piperidinothiocarbonyl): Fire Hazard
tetrasulfide: Immediate (acute) health hazard

California Prop. 65: Warning
This product contains a chemical or chemicals known by the State of California to cause cancer, birth defects, or other reproductive harm.

Vapors are heavier than air and will collect at low points. Dry ice releases Carbon Dioxide and poses serious suffocation hazard. In confined areas or areas without proper ventilation wear self contained breathing apparatus.

MAY CAUSE CRYOGENIC BURNS OR OTHER INJURY

Canada

Class D - Poisonous and Infectious materials Division 2: Materials Causing Other Toxic Effects D2A TOLUENE D2B
TOLUENE CAS# 108-88-3
Liquid Polymer CAS# N/A
Liquid Polymer CAS# N/A
Titanium Dioxide CAS# 13463-67-7
Calcium Carbonate CAS# 72608-12-9
Manganese Dioxide CAS#1313-13-9

Listed National Pollutant Release Inventory (NPRI):TOLUENE CAS:108-88-3
Calcium Carbonate CAS#72608-12-9
Liquid Polymer cas# N/A
Titanium Dioxide CAS#13463-67-7
Manganese Dioxide CAS#1313-13-9

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

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16. OTHER INFORMATION

Customer and / or end user is responsible for determining PPE.

|
| **HEALTH** | 2 |
| **FLAMMABILITY** | 0 |
| **REACTIVITY** | 0 |
| **PPE** | H |

**NFPA**

Preparer: Flamemaster / Compliance
Rev-A 4/02/2015
Supersedes (conversion)

Containers: plastic jars, metal cans, cartridge kits

Limited Quantity See SDS Section 14

Maximum container size 50 Gallons / 190 Liters

Notice to reader:

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In all cases, the user must determine the applicability of all information and recommendations contained herein as well as the suitability of this product for their own particular needs or purposes.

This product may be hazardous and should always be used with care and discretion. Every effort has been made to describe all known hazards, but this in no way guarantees the above mentioned hazards are the only hazards present.

Flamemaster Corporation, its Affiliates and its Agents, shall in no way be held liable for any damages resulting from handling, using, storing, disposing of, or from contact with this product. User assumes all risk.

End of Safety Data Sheet