



## SECTION 1. IDENTIFICATION

**GHS product identifier:** SC0757  
**Product code:** SC0757  
**Other means of identification:** PTI 757  
**Product type:** Solid

### Relevant identified uses of the substance or mixture and uses advised against

**Product use :** Sealants  
**Area of application :** Industrial applications.

**CRL Cat. No.'s:** **PT1707BL, PT1707BRZ, PT1707GRY, PT1707W**

**Supplier's details:** Edge Adhesives  
5117 Northeast Parkway  
Fort Worth, Texas, 76106

**Emergency telephone number CHEMTREC:** 1-800-424-9300 (24/7)

## SECTION 2. HAZARDS IDENTIFICATION

**OSHA/HCS status:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture:**

|      |  |
|------|--|
| H315 | SKIN IRRITATION - Category 2   |
| H319 | EYE IRRITATION - Category 2A   |
| H350 | CARCINOGENICITY - Category 1B  |
| H336 | SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 |
| H372 | SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (lungs) - Category 1          |

Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxicity: 25.3%

Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 79.3%

Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 94.3%

### GHS label elements

**Hazard pictograms:**



**Signal word:**

Danger



## SECTION 2. HAZARDS IDENTIFICATION (CONT.)

|   |  |
|---|--|
| <b>Hazard statements :</b>                | H319 - Causes serious eye irritation.<br>H315 - Causes skin irritation.<br>H350 - May cause cancer.<br>H336 - May cause drowsiness or dizziness.<br>H372 - Causes damage to organs through prolonged or repeated exposure (lungs)  |
| <b>Precautionary statements</b>           |  |
| <b>Prevention :</b>                       | P201 - Obtain special instructions before use.<br>P202 - Do not handle until all safety precautions have been read and understood.<br>P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.<br>P271 - Use only outdoors or in a well-ventilated area.<br>P260 - Do not breathe dust.<br>P270 - Do not eat, drink or smoke when using this product.<br>P264 - Wash hands thoroughly after handling.   |
| <b>Response :</b>                         | P314 - Get medical attention if you feel unwell.<br>P308 + P313 - IF exposed or concerned: Get medical attention.<br>P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.<br>P302 + P352 + P362+P364 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.<br>P332 + P313 - If skin irritation occurs: Get medical attention.<br>P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P337 + P313 - If eye irritation persists: Get medical attention. |
| <b>Storage :</b>                          | P405 - Store locked up.  |
| <b>Disposal :</b>                         | P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.   |
| <b>Hazards not otherwise classified :</b> | None known.  |

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/mixture:** Mixture

**Other means of identification:** PTI 757

| Ingredient Name               | Other Names | %         | CAS Number |
|-------------------------------|-------------|-----------|------------|
| Naphtha                       | -           | ≥25 - ≤50 | 8030-30-6  |
| Soybean Oil                   | -           | ≥10 - ≤25 | 8001-22-7  |
| Propylene Carbonate           | -           | ≥10 - <20 | 108-32-7   |
| Aluminium Powder (Pyrophoric) | -           | ≤10       | 7429-90-5  |
| Limestone                     | -           | ≤5        | 1317-65-3  |

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

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



## SECTION 4. FIRST AID MEASURES

### Description of necessary first aid measures

- Eye contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact :** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion :** Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact:** Causes serious eye irritation.
- Inhalation:** Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
- Skin contact:** Causes skin irritation.
- Ingestion:** Can cause central nervous system (CNS) depression.

#### Over-exposure signs/symptoms

- Eye contact:** Adverse symptoms may include the following:  
pain or irritation,  
watering  
redness
- Inhalation:** Adverse symptoms may include the following:  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness
- Skin contact:** Adverse symptoms may include the following: irritation or redness
- Ingestion:** No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary



## SECTION 4. FIRST AID MEASURES

**Notes to physician:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments:** No specific treatment.

**Protection of first-aiders:** No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing media

**Suitable extinguishing media:** Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media:** Do not use water jet.

### **Specific hazards arising from the chemical:**

No specific fire or explosion hazard.

### **Hazardous thermal decomposition products:**

Decomposition products may include the following materials: carbon dioxide, carbon monoxide, metal oxide/oxides

### **Special protective actions for fire-fighters:**

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

### **Special protective equipment for fire-fighters:**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders:** If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non emergency personnel".

**Environmental precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up



## SECTION 6. ACCIDENTAL RELEASE MEASURES (CONT.)

**Small spill:**

Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

**Large spill:**

Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## SECTION 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Protective measures:**

Put on appropriate personal protective equipment (see Section 8). Avoid exposure obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on general occupational hygiene:**

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities:**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Occupational exposure limits**

| Ingredient Name                                      | Exposure Limits  |
|--|--|
| Naphtha  | <b>NIOSH REL (United States, 10/2016).</b><br>TWA: 400 mg/m <sup>3</sup> 10 hours.<br>TWA: 100 ppm 10 hours.<br><b>OSHA PEL (United States, 5/2018).</b><br>TWA: 400 mg/m <sup>3</sup> 8 hours.<br>TWA: 100 ppm 8 hours. |
| Soybean Oil  | <b>OSHA PEL (United States).</b><br>TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction<br>TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust None.   |
| Propylene Carbonate<br>Aluminium powder (pyrophoric) | <b>NIOSH REL (United States, 10/2016).</b><br>TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Respirable fraction<br>TWA: 10 mg/m <sup>3</sup> 10 hours. Form: Total  |



## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| Ingredient Name | Exposure Limits  |
|-----------------|--|
| Limestone       | <p><b>OSHA PEL (United States, 5/2018).</b><br/>TWA: 5 mg/m<sup>3</sup>, (as Al) 8 hours. Form: Respirable fraction<br/>TWA: 15 mg/m<sup>3</sup>, (as Al) 8 hours. Form: Total dust</p> <p><b>ACGIH TLV (United States, 3/2019).</b><br/>TWA: 1 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction</p> <p><b>OSHA PEL (United States, 5/2018).</b><br/>TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction<br/>TWA: 15 mg/m<sup>3</sup> 8 hours. Form: Total dust</p> <p><b>NIOSH REL (United States, 10/2016).</b><br/>TWA: 5 mg/m<sup>3</sup> 10 hours. Form: Respirable fraction<br/>TWA: 10 mg/m<sup>3</sup> 10 hours. Form: Total</p> |

**Appropriate engineering controls:** Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Environmental exposure controls:** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures**Hygiene measures:**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection:**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection**Hand protection:**

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection:**

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection:**

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection:**

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.



## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

|  |   |
|--|---|
| <b>Physical state:</b>                               | Solid.  |
| <b>Color:</b>  | White. Gray. Black. Neutral. bronze.                            |
| <b>Odor:</b>   | Resin [Slight]  |
| <b>Odor threshold:</b>                               | Not available.  |
| <b>pH:</b>   | Not applicable.   |
| <b>Melting point:</b>                                | 121.11°C (250°F)  |
| <b>Boiling point:</b>                                | >232.22°C (>450°F)  |
| <b>Flash point:</b>                                  | Open cup: >232.22°C (>450°F)                                    |
| <b>Evaporation rate:</b>                             | Not applicable.   |
| <b>Flammability (solid, gas):</b>                    | Not available.  |
| <b>Lower and upper explosive (flammable) limits:</b> | Not available.  |
| <b>Vapor pressure:</b>                               | Not available.  |
| <b>Vapor density:</b>                                | Not available.  |
| <b>Relative density:</b>                             | 0.95 [Water = 1]  |
| <b>Density:</b>                                      | 0.95 g/cm <sup>3</sup>  |
| <b>Solubility:</b>                                   | Insoluble in the following materials: cold water and hot water. |
| <b>Solubility in water:</b>                          | Not available.  |
| <b>Partition coefficient: noctanol/water:</b>        | Not applicable.   |
| <b>Auto-ignition temperature:</b>                    | Not available.  |
| <b>Decomposition temperature:</b>                    | >232.22°C (>450°F)  |
| <b>SADT:</b>   | Not available.  |
| <b>Viscosity:</b>                                    | Dynamic (176.67°C (350°F)): 15000 mPa·s (15000 cP)              |
| <b>Flow time (ISO 2431):</b>                         | Not available.  |

## SECTION 10. STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>Reactivity:</b>                         | No specific test data related to reactivity available for this product or its ingredients.  |
| <b>Chemical stability:</b>                 | The product is stable.  |
| <b>Possibility of hazardous reactions:</b> | Under normal conditions of storage and use, hazardous reactions will not occur.<br>Under normal conditions of storage and use, hazardous polymerization will not occur. |
| <b>Conditions to avoid:</b>                | No specific data.   |
| <b>Incompatible materials:</b>             | Reactive or incompatible with the following materials: hydrocarbons, petroleum distillates.   |
| <b>Hazardous decomposition products:</b>   | Under normal conditions of storage and use, hazardous decomposition products should not be produced.  |



## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient Name | Result                | Species        | Dose                | Exposure |
|-------------------------|-----------------------|----------------|---------------------|----------|
| Naphtha                 | LC50 Inhalation Vapor | Rat            | 61 g/m <sup>3</sup> | 4 hours  |
|                         | LD50 Oral             | Rat            | >5 g/kg             | -        |
| Propylene Carbonate     | LD50 Dermal           | Rabbit - Male, | ≥2000 mg/kg         | -        |
|                         |                       | Female         |                     | -        |
|                         | LD50 Oral             | Rat            | >5000 mg/kg         | -        |
| Limestone               | LD50 Oral             | Rat            | 6450 mg/kg          | -        |

#### Irritation/Corrosion

| Product/ingredient Name | Result                   | Species | Scores | Exposer | Observation |
|-------------------------|--------------------------|---------|--------|---------|-------------|
| Naphtha                 | Eyes - Mild irritant     | Rabbit  | -      | 100 UI  | -           |
|                         | Skin - Moderate irritant | Rabbit  | -      | 500 UI  | -           |
| Propylene Carbonate     | Eyes - Moderate irritant | Rabbit  | -      | 60 mg   | -           |
|                         | Skin - Moderate irritant | Rabbit  | -      | 500 mg  | -           |

**Sensitization:** Not available.

#### Mutagenicity

**Conclusion/Summary:** Not available.

#### Carcinogenicity

**Conclusion/Summary:** Not available.

#### Reproductive toxicity

**Conclusion/Summary:** Not available.

#### Teratogenicity

**Conclusion/Summary:** Not available.

#### Specific target organ toxicity (single exposure)

| Name                | Category   | Route of Exposure | Target organs                |
|---------------------|------------|-------------------|------------------------------|
| Naphtha             | Category 3 | Not applicable    | Narcotic effects             |
| Propylene Carbonate | Category 3 | Not applicable    | Respiratory tract irritation |

#### Specific target organ toxicity (repeated exposure)

| Name                          | Category   | Route of Exposure | Target organs |
|-------------------------------|------------|-------------------|---------------|
| Aluminium powder (pyrophoric) | Category 2 | Not determined    | Lungs         |
| Limestone                     | Category 1 | Not determined    | Lungs         |

#### Aspiration hazard

| Name    | Result                         |
|---------|--------------------------------|
| Naphtha | ASPIRATION HAZARD - Category 1 |

#### Information on the likely routes of exposure:

Routes of entry anticipated: Oral, Dermal, Inhalation.

#### Potential acute health effects

##### Eye contact :

Causes serious eye irritation.



## SECTION 11. TOXICOLOGICAL INFORMATION

|                      |  |
|----------------------|--|
| <b>Inhalation:</b>   | Can cause central nervous system (CNS) depression.<br>May cause drowsiness or dizziness. |
| <b>Skin contact:</b> | Causes skin irritation.  |
| <b>Ingestion:</b>    | Can cause central nervous system (CNS) depression.                                       |

### Symptoms related to the physical, chemical and toxicological characteristics

|                      |   |
|----------------------|---|
| <b>Eye contact:</b>  | Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness  |
| <b>Inhalation:</b>   | Adverse symptoms may include the following:<br>nausea or vomiting<br>headache<br>drowsiness/fatigue<br>dizziness/vertigo<br>unconsciousness |
| <b>Skin contact:</b> | Adverse symptoms may include the following:<br>irritation<br>redness  |
| <b>Ingestion:</b>    | No specific data.   |

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

|                                     |                |
|-------------------------------------|----------------|
| <b>Potential immediate effects:</b> | Not available. |
| <b>Potential delayed effects:</b>   | Not available. |

#### Long term exposure

|                                     |                |
|-------------------------------------|----------------|
| <b>Potential immediate effects:</b> | Not available. |
| <b>Potential delayed effects:</b>   | Not available. |

#### Potential chronic health effects

|                                |   |
|--------------------------------|---|
| <b>General:</b>                | Not available.<br>Causes damage to organs through prolonged or repeated exposure. |
| <b>Carcinogenicity :</b>       | May cause cancer. Risk of cancer depends on duration and level of exposure.       |
| <b>Mutagenicity :</b>          | No known significant effects or critical hazards.                                 |
| <b>Teratogenicity :</b>        | No known significant effects or critical hazards.                                 |
| <b>Developmental effects :</b> | No known significant effects or critical hazards.                                 |
| <b>Fertility effects:</b>      | No known significant effects or critical hazards.                                 |

#### Numerical measures of toxicity

##### Acute toxicity estimates



## SECTION 11. TOXICOLOGICAL INFORMATION (CONT.)

| Product/ingredient Name | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|-------------------------|--------------|----------------|--------------------------|----------------------------|-------------------------------------|
| SC0757                  | N/A          | 8558.3         | N/A                      | N/A                        | N/A                                 |
| Naphtha                 | N/A          | N/A            | N/A                      | 61                         | N/A                                 |
| Propylene Carbonate     | N/A          | 2500           | N/A                      | N/A                        | N/A                                 |
| Limestone               | 6450         | N/A            | N/A                      | N/A                        | N/A                                 |

## SECTION 12. ECOLOGICAL INFORMATION

**Toxicity**

| Product/ingredient Name      | Result                            | Species                                 | Exposure |
|------------------------------|-----------------------------------|---|----------|
| Naphtha                      | Acute EC50 3700 µg/l Fresh water  | Daphnia - Daphnia pulex - Larvae        | 48 hours |
|                              | Acute LC50 3600 µg/l Fresh water  | Crustaceans - Gammarus Lacustris        | 48 hours |
| Propylene Carbonate          | Acute EC50 >1000 mg/l Fresh water | Daphnia - Daphnia Magna                 | 48 hours |
|                              | Acute LC50 >1000 mg/l Fresh water | Fish - Cyprinus Carpio                  | 96 hours |
|                              | Acute NOEC >1000 mg/l Fresh water | Fish - Cyprinus Carpio                  | 96 hours |
| Aluminium powder(pyrophoric) | Acute LC50 38000 µg/l Fresh water | Daphnia - Daphnia Magna                 | 48 hours |
|                              | Acute LC50 120 µg/l Fresh water   | Fish - Oncorhynchus mykiss -Embryo      | 96 hours |
|                              | Chronic NOEC 9 mg/l Fresh water   | Aquatic plants - Ceratophyllum demersum | 3 days   |

**Conclusion/Summary:** Not available.

**Persistence and degradability**

| Product/ingredient Name | Test   | Result                     | Dose | Inoculum         |
|-------------------------|--|----------------------------|------|------------------|
| Propylene Carbonate     | OECD 301B Ready Biodegradability -CO <sub>2</sub> Evolution Test | 87.7 % - Readily - 29 days | -    | Activated sludge |

**Bioaccumulative potential**

| Product/ingredient Name | LogP <sub>ow</sub> | BCF        | Potential |
|-------------------------|--------------------|------------|-----------|
| Naphtha                 | -                  | 10 to 2500 | high      |
| Propylene Carbonate     | -0.41              | -          | low       |

**Mobility in soil**

**Soil/water partition coefficient (K<sub>oc</sub>):** Not available.

**Other adverse effects:** No known significant effects or critical hazards.

## SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal methods:**

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

## SECTION 14. TRANSPORT INFORMATION

|                            | DOT Classification  | IMDG   | IATA  |
|----------------------------|---|--|---|
| UN number                  | UN3077  | UN3077   | UN3077  |
| UN proper shipping name    | Environmentally hazardous substance, solid, n.o.s. (Naphtha, Aluminium powder (pyrophoric))   | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Naphtha, Aluminium powder (pyrophoric))  | Environmentally hazardous substance, solid, n.o.s. (Naphtha, Aluminium powder (pyrophoric))   |
| Transport hazard class(es) | 9   | 9   | 9   |
| Packing group              | III   | III  | III   |
| Environmental hazards      | Yes.  | Yes.   | Yes.  |

**Additional information****DOT Classification:**

Non-bulk packages of this product are not regulated as hazardous materials unless transported by inland waterway. This product is not regulated as a hazardous material when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of §§ 173.24 and 173.24a.

**Limited quantity:** Yes.

**Packaging instruction Exceptions:** 155. Non-bulk: 213. Bulk: 240.

**Special provisions:** 8, 146, 335, 384, A112, B54, B120, IB8, IP3, N20, N91, T1, TP33,

**IMDG:**

This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

**Emergency schedules:** F-A, S-F

**Special provisions:** 274, 335, 966, 967, 969

**IMDG Code Segregation group:** SGG15 - Powdered metals

**IATA:**

This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

**Quantity limitation:** Passenger and Cargo Aircraft: 400 kg. Packaging instructions: 956.

**Cargo Aircraft Only:** 400 kg. Packaging instructions: 956. Limited Quantities -

**Passenger Aircraft::** 30 kg. Packaging instructions: Y956.

**Special provisions:** A97, A158, A179, A197



## SECTION 14. TRANSPORT INFORMATION

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

**Transport in bulk according to Annex II of MARPOL and the IBC Code:** Not available.

## SECTION 15. REGULATORY INFORMATION

**U.S. Federal regulations:** **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**United States inventory (TSCA 8b):** All components are listed or exempted.

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs):** Not listed

**Clean Air Act Section 602 Class I Substances:** Not listed

**Clean Air Act Section 602 Class II Substances:** Not listed

**DEA List I Chemicals (Precursor Chemicals):** Not listed

**DEA List II Chemicals (Essential Chemicals):** Not listed

**SARA 302/304 Composition/information on ingredients:** No products were found.

**SARA 304 RQ:** Not applicable.

**SARA 311/312 Classification:** SKIN IRRITATION - Category 2  
 EYE IRRITATION - Category 2A  
 CARCINOGENICITY - Category 1B  
 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3  
 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (lungs) - Category 1

### Composition/information on ingredients

| Name                          | %         | Classification   |
|-------------------------------|-----------|--|
| Naphtha                       | ≥25 - ≤50 | FLAMMABLE LIQUIDS - Category 1<br>SKIN IRRITATION - Category 2<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3<br>ASPIRATION HAZARD - Category 1<br>HNOC - Static-accumulating flammable liquid<br>HNOC - Defatting irritant |
| Soybean Oil                   | ≥10 - ≤25 | HNOC - Defatting irritant  |
| Propylene Carbonate           | ≥10 - <20 | SKIN IRRITATION - Category 2<br>EYE IRRITATION - Category 2A<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3   |
| Aluminium powder (pyrophoric) | ≤10       | PYROPHORIC SOLIDS - Category 1<br>SUBSTANCES AND MIXTURES, WHICH IN CONTACT WITH   |



## SECTION 15. REGULATORY INFORMATION (CONT.)

|           |    |  |
|-----------|----|--|
| Limestone | ≤5 | WATER, EMIT FLAMMABLE GASES - Category 2<br>COMBUSTIBLE DUSTS<br>SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (lungs) - Category 2<br>CARCINOGENICITY - Category 1B<br>SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (lungs) - Category 1 |
|-----------|----|--|

**SARA 313**

|                                 | Product Name                  | CAS Number | %   |
|---------------------------------|-------------------------------|------------|-----|
| Form R - Reporting requirements | Aluminium powder (pyrophoric) | 7429-90-5  | ≤10 |
| Supplier notification           | Aluminium powder (pyrophoric) | 7429-90-5  | ≤10 |

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

**State regulations**

|                       |  |
|-----------------------|--|
| <b>Massachusetts:</b> | The following components are listed: NAPHTHA VM&P; NAPHTHA; CALCIUM CARBONATE; MARBLE DUST; ALUMINUM                             |
| <b>New York:</b>      | None of the components are listed.   |
| <b>New Jersey:</b>    | The following components are listed: NAPHTHA; BENZIN; CALCIUM CARBONATE; LIMESTONE; ALUMINUM                                     |
| <b>Pennsylvania:</b>  | The following components are listed: PETROLEUM DISTILLATES; NAPHTHA 49 DEGREE BE-COAL TAR TYPE; SOYBEAN OIL; LIMESTONE; ALUMINUM |

**California Prop. 65**

This product does not require a Safe Harbor warning under California Prop. 65.

**International regulations****Chemical Weapon Convention List Schedules I, II & III Chemicals**

Not listed.

**Montreal Protocol**

Not listed.

**Stockholm Convention on Persistent Organic Pollutants**

Not listed.

**Rotterdam Convention on Prior Informed Consent (PIC)**

Not listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

## SECTION 16. OTHER INFORMATION

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

|                         |   |   |
|-------------------------|---|---|
| <b>Health</b>           | * | 3 |
| <b>Flammability</b>     |   | 1 |
| <b>Physical Hazards</b> |   | 0 |

## SECTION 16. OTHER INFORMATION

Caution: HMIS® ratings are based on a 0–4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc. The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

### National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

### Procedure used to derive the classification

| Classification          | Justification      |
|-------------------------|--------------------|
| Skin Irrit. 2, H315     | Calculation method |
| Eye Irrit. 2A, H319     | Calculation method |
| Carc. 1B, H350          | Calculation method |
| STOT SE 3, H336         | Calculation method |
| STOT RE 1, H372 (lungs) | Calculation method |



## SECTION 16. OTHER INFORMATION (CONT.)

### History

**Date of issue/  
Date of revision:** 11/13/2019

**Date of previous  
issue:** No previous validation

**Version:** 1

**Prepared by:** Sphera Solutions

### Key to abbreviations

ATE = Acute Toxicity Estimate  
AMP = Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
N/A = Not available  
UN = United Nations

**References:** HCS (U.S.A.)- Hazard Communication Standard International transport regulations

Indicates information that has changed from previously issued version.

### Notice to reader

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

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