Section 1. Identification

GHS product identifier : SC0737
Product code : SC0737
Other means of identification : Edge Adhesives Rubex 737 Non-Skinning Butyl Seam Seal, Standing Seam Sealer, Trex Rain
Product type : Liquid.

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

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

Supplier's details

3200 County Road 6,
Elkhart, IN, 46514
Telephone: 574-264-9614
www.EdgeAdhesives.com

Emergency telephone number (with hours of operation) : 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
H340 GERM CELL MUTAGENICITY - Category 1
H350 CARCINOGENICITY - Category 1A
H361 TOXIC TO REPRODUCTION - Category 2
H372 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

GHS label elements

Hazard pictograms : ⚠️ ⚠️

Signal word : Danger

Hazard statements : H315 - Causes skin irritation.
H340 - May cause genetic defects.
H350 - May cause cancer.
H361 - Suspected of damaging fertility or the unborn child.
H372 - Causes damage to organs through prolonged or repeated exposure. (adrenal, bone marrow, kidneys, liver, lungs, lymphatic system, stomach, thymus)

Precautionary statements

United States
Section 2. Hazards identification

**Prevention**
- P201 - Obtain special instructions before use.
- P280 - Wear protective gloves. Wear protective clothing. Wear eye or face protection.
- P260 - Do not breathe vapor.
- P270 - Do not eat, drink or smoke when using this product.
- P264 - Wash thoroughly after handling.

**Response**
- P308 + P313 - IF exposed or concerned: Get medical advice or attention.
- P362 + P364 - Take off contaminated clothing and wash it before reuse.
- P302 + P352 - IF ON SKIN: Wash with plenty of water.

**Storage**
- Not applicable.

**Disposal**
- P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Supplemental label elements**
- Avoid contact with skin and clothing. Wash thoroughly after handling.

**Hazards not otherwise classified**
- Prolonged or repeated contact may dry skin and cause irritation.

Section 3. Composition/information on ingredients

**Substance/mixture**
- Mixture

**Other means of identification**
- Edge Adhesives Rubex 737 Non-Skinning Butyl Seam Seal, Standing Seam Sealer, Trex Rain

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Other names</th>
<th>%</th>
<th>CAS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limestone</td>
<td>-</td>
<td>≥50 - ≤75</td>
<td>1317-65-3</td>
</tr>
<tr>
<td>Naphtha</td>
<td>-</td>
<td>≥10 - &lt;20</td>
<td>8030-30-6</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated heavy paraffinic</td>
<td>-</td>
<td>≥10 - ≤25</td>
<td>64742-54-7</td>
</tr>
<tr>
<td>Bentonite</td>
<td>-</td>
<td>≤10</td>
<td>1302-78-9</td>
</tr>
<tr>
<td>crystalline silica, respirable powder</td>
<td>-</td>
<td>&lt;1</td>
<td>14808-60-7</td>
</tr>
</tbody>
</table>

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 not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Skin contact**
- Wash skin thoroughly with soap and water or use recognized skin cleanser. 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.
**Section 4. First aid measures**

**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. 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**

No known significant effects or critical hazards.

**Inhalation**

No known significant effects or critical hazards.

**Skin contact**

Causes skin irritation. Defatting to the skin.

**Ingestion**

No known significant effects or critical hazards.

**Over-exposure signs/symptoms**

**Eye contact**

Adverse symptoms may include the following:

- pain or irritation
- watering
- redness

**Inhalation**

Adverse symptoms may include the following:

- reduced fetal weight
- increase in fetal deaths
- skeletal malformations

**Skin contact**

Adverse symptoms may include the following:

- irritation
- redness
- dryness
- cracking
- reduced fetal weight
- increase in fetal deaths
- skeletal malformations

**Ingestion**

Adverse symptoms may include the following:

- reduced fetal weight
- increase in fetal deaths
- skeletal malformations

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

**Notes to physician**

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments**

No specific treatment.

**Protection of first-aiders**

No action shall be taken involving any personal risk or without suitable training. If it is suspected that 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**
- Hazardous thermal decomposition products: In a fire or if heated, a pressure increase will occur and the container may burst.
  - 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. Avoid breathing vapor or mist. 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**
- Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. 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. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

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

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

Section 8. Exposure controls/personal protection

**Control parameters**

**Occupational exposure limits**

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limestone</td>
<td>OSHA PEL (United States, 5/2018). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust</td>
</tr>
<tr>
<td>Naphtha</td>
<td>NIOSH REL (United States, 10/2016). TWA: 5 mg/m³ 10 hours. Form: Respirable fraction TWA: 10 mg/m³ 10 hours. Form: Total</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated heavy paraffinic</td>
<td>NIOSH REL (United States, 10/2016). TWA: 400 mg/m³ 10 hours. TWA: 100 ppm 10 hours. OSHA PEL (United States, 5/2018). TWA: 400 mg/m³ 8 hours. TWA: 100 ppm 8 hours.</td>
</tr>
<tr>
<td>Bentonite crystalline silica, respirable powder</td>
<td>ACGIH TLV (United States, 3/2019). TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction NIOSH REL (United States, 10/2016). TWA: 5 mg/m³ 10 hours. Form: Mist STEL: 10 mg/m³ 15 minutes. Form: Mist OSHA PEL (United States, 5/2018). TWA: 5 mg/m³ 8 hours.</td>
</tr>
</tbody>
</table>

Date of issue/Date of revision: 03/04/2020  Date of previous issue: No previous validation  Version: 1
Section 8. Exposure controls/personal protection

<table>
<thead>
<tr>
<th>Appropriate engineering controls</th>
<th>Environmental exposure controls</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWA: 50 µg/m³ 8 hours. Form: Respirable dust</td>
<td>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.</td>
</tr>
<tr>
<td>ACGIH TLV (United States, 3/2019).</td>
<td></td>
</tr>
<tr>
<td>TWA: 0.025 mg/m³ 8 hours. Form: Respirable fraction</td>
<td></td>
</tr>
<tr>
<td>NIOSH REL (United States, 10/2016).</td>
<td></td>
</tr>
<tr>
<td>TWA: 0.05 mg/m³ 10 hours. Form: respirable dust</td>
<td></td>
</tr>
</tbody>
</table>

Hand protection

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Each respirator should be fitted with appropriate filters or cartridges to suit the specific chemical exposure. Keep up-to-date records of all respirators, with manufacturers of the respirators recommending that they be worn, unless the assessment indicates a higher degree of protection:  chemical splash goggles.

Eye/face protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

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

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.

Body protection

Appropriate footware 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.

Other skin protection

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

<table>
<thead>
<tr>
<th>Appearance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
</tr>
<tr>
<td>Color</td>
</tr>
<tr>
<td>Odor</td>
</tr>
<tr>
<td>Odor threshold</td>
</tr>
<tr>
<td>pH</td>
</tr>
<tr>
<td>Melting point</td>
</tr>
</tbody>
</table>

Date of issue/Date of revision : 03/04/2020  Date of previous issue : No previous validation  Version : 1 6/14

United States
Section 9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Lower and upper explosive (flammable) limits</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.51 [Water = 1]</td>
</tr>
<tr>
<td>Density</td>
<td>1.51 g/cm³</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble in the following materials: cold water and hot water.</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>SADT</td>
<td>Not available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flow time (ISO 2431)</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

Section 10. Stability and reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>Chemical stability</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td></td>
<td>Under normal conditions of storage and use, hazardous polymerization will not occur.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>No specific data.</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>Reactive or incompatible with the following materials: hydrocarbons, petroleum distillates.</td>
</tr>
</tbody>
</table>

Section 11. Toxicological information

<table>
<thead>
<tr>
<th>Information on toxicological effects</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td></td>
</tr>
<tr>
<td>Product/ingredient name</td>
<td>Result</td>
</tr>
<tr>
<td>Limestone Naphtha</td>
<td>LD50 Oral</td>
</tr>
<tr>
<td></td>
<td>LC50 Inhalation Vapor</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
</tr>
<tr>
<td>Species</td>
<td>Dose</td>
</tr>
<tr>
<td>Rat</td>
<td>6450 mg/kg</td>
</tr>
<tr>
<td>Rat</td>
<td>61 g/m³</td>
</tr>
<tr>
<td>Rat</td>
<td>&gt;5 g/kg</td>
</tr>
<tr>
<td>Exposure</td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>4 hours</td>
</tr>
</tbody>
</table>

Irritation/Corrosion

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limestone Naphtha</td>
<td></td>
<td>Rat</td>
<td>6450 mg/kg</td>
<td>4 hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rat</td>
<td>61 g/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rat</td>
<td>&gt;5 g/kg</td>
<td></td>
</tr>
</tbody>
</table>

Date of issue/Date of revision: 03/04/2020
Date of previous issue: No previous validation
Version: 1

United States
### Section 11. Toxicological information

#### Sensitization
Not available.

#### Mutagenicity
**Conclusion/Summary**: Not available.

#### Carcinogenicity
**Conclusion/Summary**: Not available.

### Classification

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>OSHA</th>
<th>IARC</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>crystalline silica, respirable powder</td>
<td>-</td>
<td>1</td>
<td>Known to be a human carcinogen.</td>
</tr>
</tbody>
</table>

**Reproductive toxicity**
**Conclusion/Summary**: Not available.

**Teratogenicity**
**Conclusion/Summary**: Not available.

### Specific target organ toxicity (single exposure)

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
<th>Route of exposure</th>
<th>Target organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha</td>
<td>Category 3</td>
<td>-</td>
<td>Narcotic effects</td>
</tr>
</tbody>
</table>

### Specific target organ toxicity (repeated exposure)

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
<th>Route of exposure</th>
<th>Target organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limestone</td>
<td>Category 1</td>
<td>- dermal</td>
<td>lungs adrenal, bone marrow, kidneys, liver, lymphatic system, stomach, thymus</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated heavy paraffinic</td>
<td>Category 1</td>
<td>- dermal</td>
<td>lungs adrenal, bone marrow, kidneys, liver, lymphatic system, stomach, thymus</td>
</tr>
<tr>
<td>Bentonite crystalline silica, respirable powder</td>
<td>Category 1</td>
<td>- inhalation</td>
<td>lungs</td>
</tr>
</tbody>
</table>

### Aspiration hazard

<table>
<thead>
<tr>
<th>Name</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha</td>
<td>ASPIRATION HAZARD - Category 1</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated heavy paraffinic</td>
<td>ASPIRATION HAZARD - Category 1</td>
</tr>
</tbody>
</table>

**Information on the likely routes of exposure**: Routes of entry anticipated: Oral, Dermal, Inhalation.

### Potential acute health effects

- **Eye contact**: No known significant effects or critical hazards.
- **Inhalation**: No known significant effects or critical hazards.
- **Skin contact**: Causes skin irritation. Defatting to the skin.
- **Ingestion**: No known significant effects or critical hazards.

**Date of issue/Date of revision**: 03/04/2020  
**Date of previous issue**: No previous validation  
**Version**: 1  
United States
### Section 11. Toxicological information

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

**Eye contact**  
Adverse symptoms may include the following:  
- pain or irritation  
- watering  
- redness  

**Inhalation**  
Adverse symptoms may include the following:  
- reduced fetal weight  
- increase in fetal deaths  
- skeletal malformations  

**Skin contact**  
Adverse symptoms may include the following:  
- irritation  
- redness  
- dryness  
- cracking  
- reduced fetal weight  
- increase in fetal deaths  
- skeletal malformations  

**Ingestion**  
Adverse symptoms may include the following:  
- reduced fetal weight  
- increase in fetal deaths  
- skeletal malformations  

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

**Short term exposure**

- **Potential immediate effects**: Not available.  
- **Potential delayed effects**: Not available.  

**Long term exposure**

- **Potential immediate effects**: Not available.  
- **Potential delayed effects**: Not available.  

**Potential chronic health effects**

Not available.

- **General**: Causes damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.  
- **Carcinogenicity**: May cause cancer. Risk of cancer depends on duration and level of exposure.  
- **Mutagenicity**: May cause genetic defects.  
- **Teratogenicity**: Suspected of damaging the unborn child.  
- **Developmental effects**: No known significant effects or critical hazards.  
- **Fertility effects**: Suspected of damaging fertility.  

### Numerical measures of toxicity

**Acute toxicity estimates**
Section 11. Toxicological information

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Oral (mg/kg)</th>
<th>Dermal (mg/kg)</th>
<th>Inhalation (gases) (ppm)</th>
<th>Inhalation (vapors) (mg/l)</th>
<th>Inhalation (dusts and mists) (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limestone</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Naphtha</td>
<td>6450</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Section 12. Ecological information

Toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha</td>
<td>Acute EC50 3700 µg/l Fresh water</td>
<td>Daphnia - Daphnia pulex - Larvae</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 3600 µg/l Fresh water</td>
<td>Crustaceans - Gammarus lacustris</td>
<td>48 hours</td>
</tr>
<tr>
<td>Bentonite</td>
<td>Acute LC50 19000000 µg/l Fresh water</td>
<td>Fish - Oncorhynchus mykiss</td>
<td>96 hours</td>
</tr>
</tbody>
</table>

Conclusion/Summary: Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>LogP&lt;sub&gt;ow&lt;/sub&gt;</th>
<th>BCF</th>
<th>Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha</td>
<td>-</td>
<td>10 to 2500</td>
<td>high</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>DOT Classification</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN number</td>
<td>UN3082</td>
<td>UN3082</td>
</tr>
<tr>
<td>UN proper shipping name</td>
<td>Environmentally hazardous substance, liquid, n.o.s. (Naphtha)</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Naphtha)</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>Packing group</td>
<td>III</td>
<td>III</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>Yes.</td>
<td>Yes.</td>
</tr>
</tbody>
</table>

**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: 203. Bulk: 241. **Special provisions** 8, 146, 173, 335, IB3, T4, TP1, TP29

**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, 969

**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: 450 L. Packaging instructions: 964. Cargo Aircraft Only: 450 L. Packaging instructions: 964. Limited Quantities - Passenger Aircraft: 30 kg. Packaging instructions: Y964. **Special provisions** A97, A158, A197

**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 IMO instruments**: Not available.

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*United States*
Section 15. Regulatory information

U.S. Federal regulations:
- TSCA 8(a) PAIR: p-[(diiodomethyl)sulphonyl]toluene
- TSCA 8(a) CDR Exempt/Partial exemption: Not determined
- United States inventory (TSCA 8b): Not determined.

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
- GERM CELL MUTAGENICITY - Category 1
- CARCINOGENICITY - Category 1A
- TOXIC TO REPRODUCTION - Category 2
- SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1
- HNOC - Defatting irritant

Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>%</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limestone</td>
<td>≥50 - ≤75</td>
<td>CARCINOGENICITY - Category 1B</td>
</tr>
<tr>
<td>Naphtha</td>
<td>≥10 - &lt;20</td>
<td>SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>FLAMMABLE LIQUIDS - Category 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SKIN IRRITATION - Category 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GERM CELL MUTAGENICITY - Category 1B</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CARCINOGENICITY - Category 1B</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TOXIC TO REPRODUCTION - Category 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ASPIRATION HAZARD - Category 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HNOC - Static-accumulating flammable liquid</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated heavy paraffinic</td>
<td>≥10 - ≤25</td>
<td>CARCINOGENICITY - Category 1B</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TOXIC TO REPRODUCTION - Category 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ASPIRATION HAZARD - Category 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HNOC - Defatting irritant</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HNOC - Static-accumulating flammable liquid</td>
</tr>
<tr>
<td>Bentonite</td>
<td>≤10</td>
<td>SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1</td>
</tr>
<tr>
<td>crystalline silica, respirable powder</td>
<td>&lt;1</td>
<td>CARCINOGENICITY - Category 1A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1</td>
</tr>
</tbody>
</table>

Date of issue/Date of revision: 03/04/2020  Date of previous issue: No previous validation  Version: 1 12/14

United States
Section 15. Regulatory information

SARA 313
Not applicable.

State regulations
Massachusetts: The following components are listed: CALCIUM CARBONATE; MARBLE DUST; NAPHTHA VM&P; NAPHTHA; OIL MIST, MINERAL
New York: None of the components are listed.
New Jersey: The following components are listed: CALCIUM CARBONATE; LIMESTONE; SILICA, QUARTZ; QUARTZ (SiO2); NAPHTHA; BENZIN; MINERAL OIL (HIGHLY REFINED); OIL MIST, MINERAL
Pennsylvania: The following components are listed: LIMESTONE; QUARTZ DUST; QUARTZ; PETROLEUM DISTILLATES; NAPHTHA 49 DEGREE BE-COAL TAR TYPE

California Prop. 65
WARNING: This product can expose you to Silica, crystalline, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>No significant risk level</th>
<th>Maximum acceptable dosage level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica, crystalline</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

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.)

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Physical hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>*3</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

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.

Date of issue/Date of revision: 03/04/2020  Date of previous issue: No previous validation  Version: 1

United States
Section 16. Other information

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

Flammability
Health
Instability/Reactivity
Special hazards

Procedure used to derive the classification

<table>
<thead>
<tr>
<th>Classification</th>
<th>Justification</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKIN IRRITATION - Category 2</td>
<td>Calculation method</td>
</tr>
<tr>
<td>GERM CELL MUTAGENICITY - Category 1</td>
<td>Calculation method</td>
</tr>
<tr>
<td>CARCINOGENICITY - Category 1A</td>
<td>Calculation method</td>
</tr>
<tr>
<td>TOXIC TO REPRODUCTION - Category 2</td>
<td>Calculation method</td>
</tr>
<tr>
<td>SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1</td>
<td>Calculation method</td>
</tr>
</tbody>
</table>

History

| Date of issue/Date of revision | : 03/04/2020 |
| 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
- N/A = Not available
- UN = United Nations

References

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

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.