1 Identification

- **Product identifier**
  - **Trade name**: FlintBond™ Caulk
  - **Other product identifiers**: FlintBond™ Trowel Grade
  - **Product code**: 402400 (5 Gallon), 402401 (3 Gallon), 402403 (10.3 oz-caulk)

- **Recommended use and restriction on use**
  - **Recommended use**: Adhesive.
  - **Restrictions on use**: See Sections 8 and 10 for further information.

- **Details of the supplier of the Safety Data Sheet**
  - **Manufacturer/Supplier**: CertainTeed Corporation
    - 20 Moores Road
    - Malvern, PA 19355
    - 610-893-6000

  - **Emergency telephone number**: CHEMTREC
    - 1-800-424-9300 (US/Canada)
    - +01 703-527-3887 (International)

2 Hazard(s) identification

- **Classification of the substance or mixture**
  - Flam. Liq. 3 H226 Flammable liquid and vapor.
  - Carc. 2 H351 Suspected of causing cancer.
  - STOT RE 1 H372 Causes damage to the central nervous system through prolonged or repeated exposure.

- **Label elements**
  - **GHS label elements**
    - The product is classified and labeled according to the Globally Harmonized System (GHS).
  - **Hazard pictograms**:
    - ![GHS pictograms](image)
    - GHS02 GHS08

- **Signal word**: Danger

- **Hazard-determining components of labeling**
  - Asphalt
  - Stoddard solvent

- **Hazard statements**:
  - H226 Flammable liquid and vapor.
  - H351 Suspected of causing cancer.
  - H372 Causes damage to the central nervous system through prolonged or repeated exposure.

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

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P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P260 Do not breathe vapors.
P264 Wash thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection.
P240 Ground/bond container and receiving equipment.
P233 Keep container tightly closed.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P270 Do not eat, drink or smoke when using this product.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+P378 In case of fire: Use foam, powder, or carbon dioxide for extinction.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P405 Store locked up.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

Chemical characterization: Mixtures

Components:

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>8052-42-4</td>
<td>Asphalt</td>
<td>50-75%</td>
</tr>
<tr>
<td></td>
<td>Carc. 2, H351</td>
<td></td>
</tr>
<tr>
<td>64742-95-6</td>
<td>Solvent naphtha (petroleum), light arom.</td>
<td>25-50%</td>
</tr>
<tr>
<td></td>
<td>Flam. Liq. 3, H226</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Asp. Tox. 1, H304</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Skin Irrit. 2, H315; STOT SE 3, H336</td>
<td></td>
</tr>
<tr>
<td>12174-11-7</td>
<td>Attapulgite (Palygorskite)</td>
<td>10-25%</td>
</tr>
<tr>
<td></td>
<td>Carc. 2, H351</td>
<td></td>
</tr>
<tr>
<td>8052-41-3</td>
<td>Stoddard solvent</td>
<td>1-10%</td>
</tr>
<tr>
<td></td>
<td>Flam. Liq. 3, H226</td>
<td></td>
</tr>
<tr>
<td></td>
<td>STOT RE 1, H372; Asp. Tox. 1, H304</td>
<td></td>
</tr>
<tr>
<td>9004-34-6</td>
<td>Cellulose</td>
<td>1-10%</td>
</tr>
</tbody>
</table>

Additional information:
For the listed ingredient(s), the identity and exact percentage(s) are being withheld as a trade secret.
For the wording of the listed Hazard Statements refer to section 16.

4 First-aid measures

Description of first aid measures

After inhalation:
Supply fresh air; consult doctor in case of complaints.
Provide oxygen treatment if affected person has difficulty breathing.

(Cont'd. on page 3)
Trade name: FlintBond™ Caulk

In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:**
  - Immediately remove any clothing soiled by the product.
  - Immediately wash with water and soap and rinse thoroughly.
  - If skin irritation continues, consult a doctor.

- **After eye contact:**
  - Remove contact lenses if worn, if possible.
  - Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:**
  - Unlikely route of exposure.
  - Rinse out mouth and then drink plenty of water.
  - Do not induce vomiting; immediately call for medical help.
  - A person vomiting while lying on their back should be turned on their side.

- **Most important symptoms and effects, both acute and delayed:**
  - Headache
  - Breathing difficulty
  - Coughing
  - Dizziness
  - Irritant to skin and mucous membranes.
  - Irritant to eyes.
  - Nausea in case of ingestion.
  - Gastric or intestinal disorders when ingested.
  - Vomiting.
  - Diarrhea.

- **Danger:**
  - Danger of impaired breathing.
  - Repeated exposure may cause skin dryness or cracking.
  - Causes damage to the central nervous system through prolonged or repeated exposure.
  - May be fatal if swallowed and enters airways.

- **Indication of any immediate medical attention and special treatment needed:**
  - If necessary oxygen respiration treatment.
  - Later observation for pneumonia and pulmonary edema.
  - If medical advice is needed, have product container or label at hand.

---

**5 Fire-fighting measures**

- **Extinguishing media**

- **Suitable extinguishing agents:**
  - Water fog / haze
  - Foam
  - Carbon dioxide
  - Gaseous extinguishing agents
  - Fire-extinguishing powder

- **For safety reasons unsuitable extinguishing agents:** Water stream.

- **Special hazards arising from the substance or mixture**
  - Formation of toxic gases is possible during heating or in case of fire.
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<table>
<thead>
<tr>
<th>6 Accidental release measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal precautions, protective equipment and emergency procedures:</td>
</tr>
<tr>
<td>Ensure adequate ventilation.</td>
</tr>
<tr>
<td>Wear protective equipment. Keep unprotected persons away.</td>
</tr>
<tr>
<td>For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.</td>
</tr>
<tr>
<td>Keep away from ignition sources.</td>
</tr>
<tr>
<td>Protect from heat.</td>
</tr>
<tr>
<td>Environmental precautions: Do not allow to enter sewers/surface or ground water.</td>
</tr>
<tr>
<td>Methods and material for containment and cleaning up:</td>
</tr>
<tr>
<td>Allow to solidify. Pick up mechanically.</td>
</tr>
<tr>
<td>Absorb liquid components with liquid-binding material.</td>
</tr>
<tr>
<td>Send for recovery or disposal in suitable receptacles.</td>
</tr>
<tr>
<td>Reference to other sections:</td>
</tr>
<tr>
<td>See Section 7 for information on safe handling.</td>
</tr>
<tr>
<td>See Section 8 for information on personal protection equipment.</td>
</tr>
<tr>
<td>See Section 13 for disposal information.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7 Handling and storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handling</td>
</tr>
<tr>
<td>Precautions for safe handling:</td>
</tr>
<tr>
<td>Use only in well ventilated areas.</td>
</tr>
<tr>
<td>Avoid splashes or spray in enclosed areas.</td>
</tr>
<tr>
<td>Information about protection against explosions and fires:</td>
</tr>
<tr>
<td>Flammable liquid and vapor.</td>
</tr>
<tr>
<td>Keep ignition sources away - Do not smoke.</td>
</tr>
<tr>
<td>Protect against electrostatic charges.</td>
</tr>
<tr>
<td>Keep respiratory protective device available.</td>
</tr>
<tr>
<td>Flammable gas-air mixtures may be formed in empty containers/receptacles.</td>
</tr>
<tr>
<td>Emergency cooling must be available in case of nearby fire.</td>
</tr>
<tr>
<td>Conditions for safe storage, including any incompatibilities</td>
</tr>
<tr>
<td>Storage</td>
</tr>
<tr>
<td>Requirements to be met by storerooms and receptacles:</td>
</tr>
<tr>
<td>Avoid storage near extreme heat, ignition sources or open flame.</td>
</tr>
<tr>
<td>Provide ventilation for receptacles.</td>
</tr>
<tr>
<td>Information about storage in one common storage facility:</td>
</tr>
<tr>
<td>Store away from foodstuffs.</td>
</tr>
</tbody>
</table>

(Cont'd. of page 3)

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- Further information about storage conditions: Keep containers tightly sealed.
- Specific end use(s): No relevant information available.

## 8 Exposure controls/personal protection

### Control parameters

<table>
<thead>
<tr>
<th>Components with limit values that require monitoring at the workplace:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>8052-42-4 Asphalt</strong></td>
<td></td>
</tr>
</tbody>
</table>
| REL (USA) | Ceiling limit value: 5\* mg/m\(^3\)  
*15-min; See Pocket Guide App. A |
| TLV (USA) | Long-term value: 0.5* mg/m\(^3\)  
*inh. fraction; as benzene-soluble aerosol; BElp |
| EL (Canada) | Long-term value: 0.5 mg/m\(^3\)  
inhalable, IARC 2B |
| EV (Canada) | Long-term value: 0.5 mg/m\(^3\)  
Fume, as benzene-soluble aerosol, inhalable |
| LMPE (Mexico) | Long-term value: 0.5* mg/m\(^3\)  
A4, IBEp;*fracción inhalable |

| **8052-41-3 Stoddard solvent** |  |
| PEL (USA) | Long-term value: 2900 mg/m\(^3\), 500 ppm |
| REL (USA) | Long-term value: 350 mg/m\(^3\)  
Ceiling limit value: 1800* mg/m\(^3\)  
*15-min |
| TLV (USA) | Long-term value: 525 mg/m\(^3\), 100 ppm |
| EL (Canada) | Short-term value: 580 mg/m\(^3\)  
Long-term value: 290 mg/m\(^3\) |
| EV (Canada) | Long-term value: 525 mg/m\(^3\) |
| LMPE (Mexico) | Long-term value: 100 ppm |

| **9004-34-6 Cellulose** |  |
| PEL (USA) | Long-term value: 15* 5** mg/m\(^3\)  
*total dust **respirable fraction |
| REL (USA) | Long-term value: 10* 5** mg/m\(^3\)  
*total dust **respirable fraction |
| TLV (USA) | Long-term value: 10 mg/m\(^3\) |
| EL (Canada) | Long-term value: 10* 3** mg/m\(^3\)  
*total dust, **respirable fraction |
| EV (Canada) | Long-term value: 10 mg/m\(^3\)  
paper fibre, total dust |
| LMPE (Mexico) | Long-term value: 10 mg/m\(^3\) |

(Cont’d. on page 6)
Trade name: FlintBond™ Caulk

Ingredients with biological limit values:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Medium</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>8052-42-4 Asphalt</td>
<td>urine</td>
<td>1-Hydroxypyrene with hydrolysis</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(nonquantitative)</td>
</tr>
</tbody>
</table>

Exposure controls

- Personal protective equipment:
  - General protective and hygienic measures:
    - The usual precautionary measures for handling chemicals should be followed.
    - Keep away from foodstuffs, beverages and feed.
    - Wash hands before breaks and at the end of work.
    - Do not inhale gases / fumes / aerosols.
  - Engineering controls: No relevant information available.
  - Breathing equipment:
    - Not required under normal conditions of use.
    - Use suitable respiratory protective device in case of insufficient ventilation.
    - For large spills, respiratory protection may be advisable.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Eye protection:

Safety glasses

Body protection: Protective work clothing

Limitation and supervision of exposure into the environment

Avoid release to the environment.

Risk management measures See Section 7 for additional information.

9 Physical and chemical properties

Information on basic physical and chemical properties

- Appearance:
  - Form: Liquid
  - Color: Black
  - Odor: Petroleum-like
  - Odor threshold: Not determined.

- pH-value: Not determined.
- Melting point/Melting range: Not determined.
- Boiling point/Boiling range: 149-177 °C (300-351 °F)
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- Flash point: 40 °C (104 °F) (PMCC)
- Flammability (solid, gaseous): Not applicable.
- Auto-ignition temperature: Not determined.
- Decomposition temperature: Not determined.
- Auto igniting: Product is not self-igniting.
- Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

- Explosion limits
  Lower: Not determined.
  Upper: Not determined.
- Oxidizing properties: Not determined.
- Vapor pressure: 3 Pa

- Density: 0.8-1.2 g/cm³ (6.676-10.014 lbs/gal)
- Relative density: Not determined.
- Vapor density: >4 g/cm³ (>33.38 lbs/gal) (Air = 1)
- Evaporation rate at 25 °C (77 °F): 0.2 (butyl acetate = 1)

- Solubility in / Miscibility with Water: Not miscible or difficult to mix.

- Partition coefficient (n-octanol/water): Not determined.

- Viscosity
  Dynamic: Not determined.
  Kinematic: Not determined.

- Other information No relevant information available.

10 Stability and reactivity

- Reactivity: No relevant information available.
- Chemical stability: Stable under normal temperatures and pressures.
- Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications.
- Possibility of hazardous reactions: Flammable liquid and vapor. Reacts with oxidizing agents. Reacts with strong acids. Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.
- Conditions to avoid: Excessive heat.
- Incompatible materials: Oxidizing agents.
- Hazardous decomposition products: Carbon monoxide and carbon dioxide
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11 Toxicological information

- Information on toxicological effects
  - Acute toxicity:
    - LD/LC50 values that are relevant for classification:
      - 64742-95-6 Solvent naphtha (petroleum), light arom.
        Oral LD50 >6800 mg/kg (rat)
        Dermal LD50 >3400 mg/kg (rab)
        Inhalative LC50/4h >10.2 mg/l (rat)
  - Primary irritant effect:
    - On the skin: Irritant to skin and mucous membranes.
    - On the eye: Irritating effect.
    - Sensitization: Based on available data, the classification criteria are not met.
  - IARC (International Agency for Research on Cancer):
    - 8052-42-4 Asphalt 2B
    - 12174-11-7 Attapulgite (Polygorskite) 2B
    - 9003-55-8 styrene-butadiene latex 3
  - NTP (National Toxicology Program):
    None of the ingredients are listed.
  - OSHA-Ca (Occupational Safety & Health Administration):
    None of the ingredients are listed.
  - Probable route(s) of exposure:
    - Eye contact.
    - Skin contact.
    - Acute effects (acute toxicity, irritation and corrosivity):
      Irritating if inhaled, causing symptoms of coughing and shortness of breath.
      May cause gastro-intestinal irritation if ingested.
    - Repeated dose toxicity: Danger of very serious irreversible effects.
    - CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
      Carc. 2
    - Germ cell mutagenicity: Based on available data, the classification criteria are not met.
    - Carcinogenicity: May cause cancer.
    - Reproductive toxicity: Based on available data, the classification criteria are not met.
    - STOT-single exposure: May cause drowsiness or dizziness.
    - STOT-repeated exposure:
      Causes damage to the central nervous system through prolonged or repeated exposure.
    - Aspiration hazard: Based on available data, the classification criteria are not met.

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12 Ecological information

- Toxicity
  - Aquatic toxicity The product contains materials that are harmful to the environment.
  - Persistence and degradability No relevant information available.
  - Bioaccumulative potential: No relevant information available.
Trade name: FlintBond™ Caulk

- Mobility in soil: No relevant information available.
- Ecotoxical effects:
  - Remark: Due to mechanical actions of the product (e.g. agglutinations), damages may occur.
- Additional ecological information
  - General notes: Avoid release to the environment.
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
- Other adverse effects: No relevant information available.

### 13 Disposal considerations

- Waste treatment methods
  - Recommendation:
    Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

- Uncleaned packagings
  - Recommendation: Disposal must be made according to official regulations.

### 14 Transport information

- **UN-Number**
- **DOT**
  - Not regulated.
  - Reclassified as combustible under US DOT regulations. Labeling is only required for single packages ≥119 US gal / 450 L to include Combustible symbol and Proper Shipping Name.
  - UN1999
- **ADR, IMDG, IATA**

#### UN proper shipping name

- **DOT**
  - Not regulated.
- **ADR**
  - 1999 TARS, LIQUID
- **IMDG**
  - TARS, LIQUID
- **IATA**
  - Tars, liquid

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**Trade name:** FlintBond™ Caulk

---

<table>
<thead>
<tr>
<th>Transport hazard class(es)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DOT</strong></td>
<td>Class</td>
</tr>
<tr>
<td><strong>ADR</strong></td>
<td>Class</td>
</tr>
<tr>
<td></td>
<td>Label</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IMDG, IATA</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Class</strong></td>
<td>3 Flammable liquids</td>
</tr>
<tr>
<td><strong>Label</strong></td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Packing group</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DOT</strong></td>
<td>Not regulated.</td>
</tr>
<tr>
<td><strong>ADR, IMDG, IATA</strong></td>
<td>III</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental hazards</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Marine pollutant:</strong></td>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Special precautions for user</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Danger code (Kemler):</strong></td>
<td>30</td>
</tr>
<tr>
<td><strong>EMS Number:</strong></td>
<td>F-E,S-E</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Not applicable.</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Transport/Additional information:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>IATA</strong></td>
<td>Limited quantity by air: 10L</td>
</tr>
</tbody>
</table>

---

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - United States (USA)
  - SARA
    - **Section 355 (extremely hazardous substances):**
      None of the ingredients are listed.
    - **Section 313 (Specific toxic chemical listings):**
      None of the ingredients are listed.

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(Cont’d. of page 9)

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Trade name: FlintBond™ Caulk

TSCA (Toxic Substances Control Act)
All ingredients are listed.

Proposition 65 (California)
- Chemicals known to cause cancer:
  Reference to Attapulgite is based on unbound respirable particles and is not generally applicable to product as supplied.

<table>
<thead>
<tr>
<th>Code</th>
<th>Ingredient</th>
</tr>
</thead>
<tbody>
<tr>
<td>8052-42-4</td>
<td>Asphalt</td>
</tr>
<tr>
<td>12174-11-7</td>
<td>Attapulgite (Palygorskite)</td>
</tr>
</tbody>
</table>

Chemicals known to cause reproductive toxicity for females:
None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:
None of the ingredients are listed.

Chemicals known to cause developmental toxicity:
None of the ingredients are listed.

Carcinogenic categories

EPA (Environmental Protection Agency):
None of the ingredients are listed.

IARC (International Agency for Research on Cancer):

<table>
<thead>
<tr>
<th>Code</th>
<th>Ingredient</th>
<th>Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>8052-42-4</td>
<td>Asphalt</td>
<td>2B</td>
</tr>
<tr>
<td>12174-11-7</td>
<td>Attapulgite (Palygorskite)</td>
<td>2B</td>
</tr>
<tr>
<td>9003-55-8</td>
<td>styrene-butadiene latex</td>
<td>3</td>
</tr>
</tbody>
</table>

NIOSH-Ca (National Institute for Occupational Safety and Health):

<table>
<thead>
<tr>
<th>Code</th>
<th>Ingredient</th>
</tr>
</thead>
<tbody>
<tr>
<td>8052-42-4</td>
<td>Asphalt</td>
</tr>
</tbody>
</table>

Canada

Canadian Domestic Substances List (DSL):
All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%):
None of the ingredients are listed.

Canadian Ingredient Disclosure list (limit 1%):

<table>
<thead>
<tr>
<th>Code</th>
<th>Ingredient</th>
</tr>
</thead>
<tbody>
<tr>
<td>8052-41-3</td>
<td>Stoddard solvent</td>
</tr>
</tbody>
</table>

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Date of preparation / last revision: 02/09/2016 / -

Abbreviations and acronyms:
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG: International Maritime Code for Dangerous Goods
**Trade name: FlintBond™ Caulk**

DOT: US Department of Transportation  
IATA: International Air Transport Association  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
NIOSH: National Institute for Occupational Safety  
OSHA: Occupational Safety & Health  
Flam. Liq. 3: Flammable liquids, Hazard Category 3  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Carc. 2: Carcinogenicity, Hazard Category 2  
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3  
STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1  
Asp. Tox. 1: Aspiration hazard, Hazard Category 1  

**Sources**  
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Safety Data Sheets, Individual Manufacturers  
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