1 Identification of the substance/mixture and of the company/undertaking

• 1.1 Product identifier
  • Trade name: Concrete Floor Cleaner, #307  #2002297, #2005625, #2003270
  • Article number: FP50

• 1.2 Relevant identified uses of the substance or mixture and uses advised against
  No further relevant information available.

• Application of the substance / the preparation: Floor cleaner

• 1.3 Details of the supplier of the Safety Data Sheet
  Stearns Packaging Corporation
  4200 Sycamore Avenue (53714)
  PO Box 3216
  Madison, WI 53704-0216
  Phone: 800-655-5008
  Email: stearns@stearnspkg.com
  Website: www.stearnspkg.com

• 1.4 Emergency telephone number:
  ChemTel Inc.
  (800)255-3924, +1 (813)248-0585

2 Hazards identification

• 2.1 Classification of the substance or mixture
  • Classification according to Regulation (EC) No 1272/2008

  ⚠️ GHS05 corrosion

  Skin Corr. / Irrit. 1B, H314 Causes severe skin burns and eye damage.

  Eye Dam. 1   H318 Causes serious eye damage.

• Classification according to Directive 67/548/EEC or Directive 1999/45/EC

  ⚠️ Xi; Irritant

  R34/38-41: Causes burns. Irritating to skin. Risk of serious damage to eyes.

• Information concerning particular hazards for human and environment:
  The product has to be labelled due to the calculation procedure of the “General Classification guideline for preparations of the EU” in the latest valid version.

• Classification system:
  The classification is according to the latest editions of the EU-lists, and extended by company and literature data. The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.
2.2 Label elements
Labeling according to Regulation (EC) No 1272/2008
The product is classified and labeled according to the CLP regulation.

Hazard pictograms

GHS05

Signal word  Danger

Hazard-determining components of labelling:
disodium metasilicate

Hazard statements
H314+H318  Causes severe skin burns and serious eye damage.

Precautionary statements
P260   Do not breathe dusts.
P280   Wear protective gloves / protective clothing / eye protection.
P264   Wash hands thoroughly after handling.
P363   skin with water/shower. Wash contaminated clothing before reuse.
P332+P361+P353+ IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse
P337+P313  present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice / at
P303+P361+P353+ IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
P337+P313  continues for >10 minutes: Get medical advice / attention.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P310   Immediately call a poison center / doctor.
P304+P340  IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P405   Store locked up.
P501   Dispose of contents/container in accordance with local/regional/national/international

Additional information:
1 percent of the mixture consists of component(s) of unknown toxicity

3 Composition/information on ingredients

3.2 Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

<table>
<thead>
<tr>
<th>CAS: 497-19-8</th>
<th>Sodium Carbonate</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 207-838-8</td>
<td>[Xi R36] Eye Irrit. 2A, H319</td>
</tr>
<tr>
<td>Index number: 011-005-00-2</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 6834-92-0</th>
<th>disodium metasilicate</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 229-912-9</td>
<td>[C R34; X R37] Skin Corr. 1B, H314</td>
</tr>
<tr>
<td>Index number: 014-010-00-8</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 10101-89-0</th>
<th>Sodium phosphate tribasic dodecahydrate</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 231-509-8</td>
<td>[C R34/41; X R37] Skin Corr. 1B, H314; Eye Dam. 1, H318</td>
</tr>
</tbody>
</table>
4 First-aid measures

• **4.1 Description of first aid measures**
• **General information:** Immediately remove any clothing soiled by the product.
• **After inhalation:** Supply fresh air; consult doctor in case of complaints.
• **After skin contact:**
  Brush off loose particles from skin.
  Immediately rinse with water.
  If skin irritation continues, consult a doctor.
• **After eye contact:**
  Remove contact lenses if worn.
  Rinse opened eye for several minutes under running water. Then consult a doctor.
• **After swallowing:**
  Rinse out mouth and then drink plenty of water.
  Do not induce vomiting; call for medical help immediately.
• **4.2 Most important symptoms and effects, both acute and delayed**
  Strong caustic effect on skin and mucous membranes.
  Gastric or intestinal disorders.
• **Hazards**
  Danger of gastric perforation.
  Danger of severe eye injury.
• **4.3 Indication of any immediate medical attention and special treatment needed**
  No further relevant information available.

5 Fire-fighting measures

• **5.1 Extinguishing media**
• **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
• **For safety reasons unsuitable extinguishing agents:** None.
• **5.2 Special hazards arising from the substance or mixture**
  Formation of toxic gases is possible during heating or in case of fire.
7 Handling and storage

• 7.1 Precautions for safe handling
Prevent formation of dust.
Store in cool, dry place in tightly closed receptacles.
Any unavoidable deposit of dust must be regularly removed.
• Information about fire - and explosion protection:
The product is not flammable.
No special measures required.

• 7.2 Conditions for safe storage, including any incompatibilities
• Storage:
• Requirements to be met by storerooms and receptacles:
Avoid storage near extreme heat, ignition sources or open flame.
Store only in the original receptacle.
Protect from humidity and water.
• Information about storage in one common storage facility:
Store away from foodstuffs.
Do not store together with oxidizing and acidic materials.
• Further information about storage conditions:
This product is hygroscopic.
Protect from humidity and water.
Store in dry conditions.

• 7.3 Specific end use(s) No further relevant information available.
8 Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.

- 8.1 Control parameters

<table>
<thead>
<tr>
<th>Ingredients with limit values that require monitoring at the workplace:</th>
</tr>
</thead>
<tbody>
<tr>
<td>111-76-2 2-butoxyethanol</td>
</tr>
<tr>
<td>IOELV (EU)</td>
</tr>
<tr>
<td>PEL (USA)</td>
</tr>
<tr>
<td>REL (USA)</td>
</tr>
<tr>
<td>TLV (USA)</td>
</tr>
<tr>
<td>EL (Canada)</td>
</tr>
<tr>
<td>EV (Canada)</td>
</tr>
</tbody>
</table>

- DNELs No further relevant information available.
- PNECs No further relevant information available.

<table>
<thead>
<tr>
<th>Ingredients with biological limit values:</th>
</tr>
</thead>
<tbody>
<tr>
<td>111-76-2 2-butoxyethanol</td>
</tr>
<tr>
<td>BEI (USA)</td>
</tr>
</tbody>
</table>

- Additional information: The lists valid during the making were used as basis.

- 8.2 Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:
  The usual precautionary measures are to be adhered to when handling chemicals.\n  Keep away from foodstuffs, beverages and feed.\n  Immediately remove all soiled and contaminated clothing.\n  Wash hands before breaks and at the end of work.\n  Avoid contact with the eyes and skin.

- Respiratory protection:
  Not required under normal conditions of use.\n  Use suitable respiratory protective device when high concentrations are present.\n  Use suitable respiratory protective device in case of insufficient ventilation.

- Protection of hands:
  PVC or PE gloves

Protective gloves
9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

**General Information**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form:</strong></td>
<td>Powder</td>
</tr>
<tr>
<td><strong>Color:</strong></td>
<td>White</td>
</tr>
<tr>
<td><strong>Odor:</strong></td>
<td>Turpentine-like</td>
</tr>
<tr>
<td><strong>Odor threshold:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>pH-value:</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Change in condition</strong></td>
<td></td>
</tr>
<tr>
<td>Melting point/Melting range:</td>
<td>Undetermined</td>
</tr>
<tr>
<td>Boiling point/Boiling range:</td>
<td>212 °F / 100 °C</td>
</tr>
<tr>
<td><strong>Flash point:</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Flammability (solid, gaseous):</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Ignition temperature:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Decomposition temperature:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Self-igniting:</strong></td>
<td>Product is not self-igniting.</td>
</tr>
<tr>
<td><strong>Danger of explosion:</strong></td>
<td>Product does not present an explosion hazard.</td>
</tr>
<tr>
<td><strong>Explosion limits:</strong></td>
<td></td>
</tr>
<tr>
<td>Lower:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Upper:</td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Vapor pressure:</strong></td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>
• Density at 20 °C: 1.06 g/cm³
• Relative density: Not determined.
• Vapor density: Not applicable.
• Evaporation rate: Not applicable.
• Solubility in / Miscibility with water: Fully soluble in water.
• Partition coefficient (n-octanol/water): Not determined.
• Viscosity:
  Dynamic: Not applicable.
  Kinematic: Not applicable.
• 9.2 Other information: No further relevant information available.

10 Stability and reactivity

• 10.1 Reactivity: Not determined.
• 10.2 Chemical stability
  • Thermal decomposition / conditions to be avoided:
    No decomposition if used and stored according to specifications.
• 10.3 Possibility of hazardous reactions: No dangerous reactions known.
• 10.4 Conditions to avoid: No further relevant information available.
• 10.5 Incompatible materials: No further relevant information available.

11 Toxicological information

• 11.1 Information on toxicological effects
• Acute toxicity:
  • LD/LC50 values relevant for classification:
    497-19-8 Sodium Carbonate
    Oral LD50  4090 mg/kg (rat)
    6834-92-0 disodium metasilicate
    Oral LD50  1280 mg/kg (rat)
• Primary irritant effect:
  • on the skin: Strong caustic effect on skin and mucous membranes.
  • on the eye: Strong irritant with the danger of severe eye injury.
• Sensitization: No sensitizing effects known.
• Additional toxicological information:
  The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
  Irritant
12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
  - **General notes:**
    Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
    Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
    Water Hazard Class (Self-classification) in the concentrate.
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation**:
    Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.
- **Uncleaned packaging**:
  - **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
  - DOT, ADR, ADN, IMDG, IATA N/A
- **UN proper shipping name**
  - DOT, ADR, ADN, IMDG, IATA Cleaning Compounds, NOI, powder.
- **Transport hazard class(es)**
  - DOT N/A
  - Class N/A
- **Packing group**
  - DOT, ADR, IMDG, IATA N/A
- **Environmental hazards:**
  - Marine pollutant: No
- **Special precautions for user**
  - Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
  - Not applicable.
- **UN “Model Regulation”**: Cleaning Compounds, NOI, powder.
15 Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- United States (USA)
- SARA
  - Section 313 (Specific toxic chemical listings):
    | 7601-54-9 | trisodium orthophosphate |
  - TSCA (Toxic Substances Control Act):
    All ingredients are listed.
  - Proposition 65 (California):
    - Chemicals known to cause cancer:
      None of the ingredients is listed.
    - Chemicals known to cause reproductive toxicity for females:
      None of the ingredients is listed.
    - Chemicals known to cause reproductive toxicity for males:
      None of the ingredients is listed.
    - Chemicals known to cause developmental toxicity:
      None of the ingredients is listed.
- Carcinogenic Categories
  - EPA (Environmental Protection Agency)
    | 111-76-2 | 2-butoxyethanol | CBD |
  - IARC (International Agency for Research on Cancer)
    | 111-76-2 | 2-butoxyethanol | 3 |
  - TLV (Threshold Limit Value established by ACGIH)
    | 111-76-2 | 2-butoxyethanol | A3 |
  - NIOSH-Ca (National Institute for Occupational Safety and Health)
    None of the ingredients is listed.
  - OSHA-Ca (Occupational Safety & Health Administration)
    None of the ingredients is listed.
- Canada
  - Canadian Domestic Substances List (DSL)
    All ingredients are listed.
  - Canadian Ingredient Disclosure list (limit 0.1%)
    None of the ingredients is listed.
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.

• Relevant phrases
  H302  Harmful if swallowed.
  H312  Harmful in contact with skin.
  H314  Causes severe skin burns and eye damage.
  H315  Causes skin irritation.
  H318  Causes serious skin damage.
  H319  Causes serious eye irritation.
  H332  Harmful if inhaled.
  H335  May cause respiratory irritation.

  R20/21/22  Harmful by inhalation, in contact with skin and if swallowed.
  R22  Harmful if swallowed.
  R34  Causes burns.
  R36  Irritating to eyes.
  R36/38  Irritating to eyes and skin.
  R37  Irritating to respiratory system.
  R41  Risk of serious damage to eyes.

SDS File Name: FP50 CONCRETE FLOOR CLEANER SDS
16 Other information

- Abbreviations and acronyms:
  ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  IMDG: International Maritime Code for Dangerous Goods
  DOT: US Department of Transportation
  IATA: International Air Transport Association
  GHS: Globally Harmonized System of Classification and Labelling of Chemicals
  ACGIH: American Conference of Governmental Industrial Hygienists
  EINECS: European Inventory of Existing Commercial Chemical Substances
  ELINCS: European List of Notified Chemical Substances
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  NFPA: National Fire Protection Association (USA)
  HMIS: Hazardous Materials Identification System (USA)
  WHMIS: Workplace Hazardous Materials Information System (Canada)
  DNEL: Derived No-Effect Level (REACH)
  PNEC: Predicted No-Effect Concentration (REACH)
  LC50: Lethal concentration, 50 percent
  LD50: Lethal dose, 50 percent

- Sources
  SDS Prepared by:
  ChemTel Inc.
  1305 North Florida Avenue
  Tampa, Florida USA 33602-2902
  Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573
  Website: www.chemtelinc.com

- Revision: 5/29/2018

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