1 Identification

Product Identifier

Trade name: Tex Clean Scum Away

Relevant identified uses of the substance or mixture and uses advised against: Scum remover.

Product Description
A white scum remover that is formulated for the removal of salt scum deposits found on clay brick and tile surfaces.

Application of the substance / the mixture:
Thoroughly pre-wet a large surface area with water and generously apply product using low pressure spray, roller, or masonry washing brush. Allow product to remain on masonry surface for 1-3 minutes before rinsing. When it is time for removal, rinse thoroughly with fresh water, using low water pressure at first and then increasing to a hard stream while lightly scrubbing with a clean fiber brush. Reapply cleaning solution and scrub the surface as required.

Details of the Supplier of the Safety Data Sheet:
Manufacturer/Supplier:
AHI Supply, LP.
2800 N Gordon
Alvin,TX 77511
Corp. 281-388-4500
Fax 281-331-9813
www.ahi-supply.com

Emergency telephone number: CHEMTREC, USA: (800) 424 9300

2 Hazard(s) Identification

Classification of the substance or mixture:

GHS06 Skull and crossbones

Acute Tox. 2  H300  Fatal if swallowed.
Acute Tox. 2  H310  Fatal in contact with skin.

GHS08 Health hazard

Carc. 1A  H350  May cause cancer.

GHS05 Corrosion

Skin Corr. 1A  H314  Causes severe skin burns and eye damage.
Eye Dam. 1  H318  Causes serious eye damage.

Label elements:

GHS label elements
The product is classified and labeled according to the Globally Harmonized System (GHS).

(Contd. on page 2)
Trade name: Tex Clean Scum Away

Hazard pictograms:
- GHS05
- GHS06
- GHS08

Signal word: Danger

Hazard-determining components of labeling:
- Hydrofluoric acid
- Phosphoric acid
- Sulfuric Acid

Hazard statements:
- H300+H310 Fatal if swallowed or in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H350 May cause cancer.

Precautionary statements:
- P260 Do not breathe dusts or mists.
- P280 Wear protective gloves / protective clothing.
- P280 Wear eye protection / face protection.
- P262 Do not get in eyes, on skin, or on clothing.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P363 Wash contaminated clothing before reuse.
- P308+P331 IF exposed or concerned: Get medical advice/attention.
- P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P361+P364 Take off immediately all contaminated clothing and wash it before reuse.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:
- NFPA ratings (scale 0 - 4)
  - Health = 3
  - Fire = 0
  - Reactivity = 0
- HMIS-ratings (scale 0 - 4)
  - Health = 3
  - Fire = 0
  - Reactivity = 0

(Contd. on page 3)
Trade name: Tex Clean Scum Away

- **Hazard(s) not otherwise classified (HNOC):** None known

### 3 Composition/Information on Ingredients

- **Non-hazardous components:**
  - 7732-18-5 Water, distilled water, deionized water 70-100%

- **Chemical characterization:** Mixtures
- **Description:** Mixture: consisting of the following components.

- **Dangerous Components:**
  - CAS: 7664-38-2
    - Phosphoric acid
    - 7-12%
  - CAS: 7664-93-9
    - Sulfuric Acid
    - Skin Corr. 1A, H314
    - 1-5%
  - CAS: 7664-39-3
    - Hydrofluoric acid
    - Acute Tox. 2, H300; Acute Tox. 1, H310; Acute Tox. 2, H330; Skin Corr. 1A, H314
    - 1-5%

### 4 First-Aid Measures

- **Description of first aid measures:**
- **General information:**
  - Immediately remove any clothing soiled by the product.
  - Seek immediate medical advice.
  - Symptoms may even occur after several hours; therefore observe area effected for at least 48 hours after the accident.
- **After inhalation:**
  - If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention. Give oxygen or artificial respiration if needed. Lie victim down in the recovery position; cover to keep warm. Physicians should treat chronic exposure as chemical pneumonia. A 2.5% calcium gluconate solution in normal saline administered by nebulizer, or by ippb with 100% oxygen may decrease pulmonary damage. Bronchodilators may also be administered. Monitor for hypocalcemia.
- **After skin contact:**
  - Get immediate medical attention. Remove contaminated clothing immediately; wash before reuse. Promptly flush skin with water until all chemical is removed. Immediately apply Calcium Gluconate gel, 2.5%, and massage into the affected are using rubber gloves. Continue to massage while repeatedly applying gel until 15 minutes after pain is relieved. If fingers/finger nails are touched, even if there is not pain, dip them in a bath of 5% Calcium Gluconate for 15 to 20 minutes. More serious skin exposure may require subcutaneous Calcium Gluconate gel, except for digital areas (unless the physician is experienced in this technique) due to potential for tissue injury from increased pressure. Absorption can readily occur in subungual areas and should be considered during decontamination.
- **After eye contact:**
  - Get immediate medical attention. Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Rinse to eyes with a calcium gluconate, 1%, solution in physiological serum (10 ml of Calcium Gluconate 10% in 90 ml of physiological serum). In the case of difficulty of opening eyelids, administer an analgesic eye wash (oxybuprocaine).
- **After swallowing:**
  - Call a physician immediately. Take victim immediately to hospital. Prevention of absorption of the Fluoride ion can be obtained by giving a source of Calcium or Magnesium.
  - If victim is conscious: If swallowed, rinse mouth with water (only if the person is conscious). Give to drink one of the following: 3-4 glasses of milk, chewable calcium carbonate tablets, Milk of Magnesia or a 1% aqueous Calcium Gluconate solution. Do NOT induce vomiting. Artificial respiration and/or oxygen may be necessary.
  - If victim in unconscious, but breathing: Artificial respiration and/or oxygen may be necessary.

(Contd. on page 4)
Trade name: Tex Clean Scum Away

- **Information for doctor:**
  Hydrofluoric (HF) acid burns require immediate and specialized first aid and medical treatment. Symptoms may be delayed up to 24 hours depending on the concentration of HF. After initial decontamination with water, subsequent damage can occur due to penetration/absorption of the fluoride (F-) ion. Treatment should be directed toward binding the Fluoride ion as well as the effects of exposure. Show this Safety Data Sheet to the doctor in attendance. If possible, call ahead to hospital or paramedics and make them aware of the Hydrofluoric acid exposure risk to themselves, and so they may prepare the proper first aid treatments ahead of time. Conditions such as hypocalcemia, hypomagnesemia, cardiac arrhythmias and hyperalkemia should be monitored for, since they can occur after exposure. Renal dialysis may be necessary in some cases.

- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.

- **Indication of any immediate medical attention and special treatment needed:** No further relevant information available.

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**5 Fire-Fighting Measures**

- **Extinguishing media:**
  - **Suitable extinguishing agents:**
    - Dry chemical or carbon dioxide. Use water spray to cool any surrounding tanks.
  - **Special hazards arising from the substance or mixture:**
    - Product is non-flammable, but Hydrofluoric acid, Sulfuric acid and Phosphoric acid reacts with most metals, causing rapid evolution of hydrogen, which is flammable and explosive in the air.

- **Advice for firefighters:**
  - **Protective equipment:**
    - As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

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**6 Accidental Release Measures**

- **Personal precautions, protective equipment and emergency procedures:**
  - Wear protective equipment. Keep unprotected persons away.
  - Ensure adequate ventilation.
  - Do not breathe vapor.
  - Avoid contact with skin, eyes and clothing.
  - Keep people at a distance and stay upwind.
  - Treat any fumes as toxic.

- **Environmental precautions:**
  - Dilute with plenty of water.
  - Do not allow to enter sewers/ surface or ground water.

- **Methods and material for containment and cleaning up:**
  - Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
  - Use neutralizing agent.
  - Dispose contaminated material as waste according to section 13.
  - Ensure adequate ventilation.
  - Dispose of the collected material according to regulations.

- **Reference to other sections:**
  - See Section 7 for information on safe handling.
  - See Section 8 for information on personal protection equipment.
  - See Section 13 for disposal information.

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**7 Handling and Storage**

- **Handling**
  - **Precautions for safe handling:**
    - Ensure good ventilation/exhaustion at the workplace.
Trade name: Tex Clean Scum Away

Prevent formation of aerosols.

- **Information about protection against explosions and fires:**
  Product is non-flammable, but Hydrofluoric acid, Sulfuric acid and Phosphoric acid reacts with most metals, causing rapid evolution of hydrogen, which is flammable and explosive in the air.

- **Conditions for safe storage, including any incompatibilities:**
  Store away from strong bases, strong oxidizing agents, metals, powdered metals, halides, organic materials, fulminates, picrates, cyanides, alkali halides, metal salts, azides, nitromethane, phosphorus, cyclopentadiene, cyclopentanone oxime, nitroaryl amines, hexalithium disilicide, metal oxides, lactic acid, phosphorus pentoxides, sulfides, silicious materials, antimony compounds and propylene glycol.

- **Storage**
  - **Requirements to be met by storerooms and receptacles:** Store in the original container.
  - **Information about storage in one common storage facility:** Store in a segregated and approved area.
  - **Further information about storage conditions:** Keep receptacle tightly sealed.

- **Specific end use(s):** Industry specific application.

### 8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see section 7.

- **Control parameters:**
  All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

- **Components with occupational exposure limits:**

<table>
<thead>
<tr>
<th>7664-38-2 Phosphoric acid</th>
<th>7664-93-9 Sulfuric Acid</th>
<th>7664-39-3 Hydrofluoric acid</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PEL</strong></td>
<td>Long-term value: 1 mg/m³</td>
<td>Long-term value: 1 mg/m³</td>
</tr>
<tr>
<td><strong>REL</strong></td>
<td>Short-term value: 3 mg/m³</td>
<td>Long-term value: 1 mg/m³</td>
</tr>
<tr>
<td><strong>TLV</strong></td>
<td>Long-term value: 1 mg/m³</td>
<td>Long-term value: 3 mg/m³</td>
</tr>
</tbody>
</table>

- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

- **Exposure controls:**

- **Personal protective equipment:**

- **General protective and hygienic measures:**
  The usual precautionary measures for handling chemicals should be followed.

(Contd. on page 6)
Trade name: Tex Clean Scum Away

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing and wash before reuse.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin.

**Breathing equipment:**

Suitable respiratory protective device recommended.

**Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Select glove material based on penetration times, rates of diffusion and degradation.

**Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material:**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

**Eye protection:**

Tightly sealed goggles

Face protection

**Body protection:**

Protective work clothing

Boots

(Contd. on page 7)
Trade name: Tex Clean Scum Away

9 Physical and Chemical Properties

- Information on basic physical and chemical properties
  - General Information
    - Appearance:
      - Form: Liquid
      - Color: Colorless
      - Odor: Acrid
      - Odor threshold: Not determined.
    - Change in condition
      - Melting point/Melting range: Not determined.
      - Boiling point/Boiling range: 100 °C (212 °F)
    - Flash point: None
    - Flammability (solid, gaseous): Product is not flammable.
    - Ignition temperature: Not determined
    - Decomposition temperature: Not determined.
    - Auto igniting: Product is not self-igniting.
    - Danger of explosion: Product does not present an explosion hazard.
  - Explosion limits:
    - Lower: Not determined.
    - Upper: Not determined.
  - Vapor pressure: Not determined.
  - Density @ 20 °C (68 °F): 1.173 g/cm³ (9.789 lbs/gal)
  - Relative density: Not determined.
  - Vapor density: Not determined.
  - Evaporation rate: Not determined.
  - 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.
  - Solvent content:
    - Organic solvents: 0.0 %
    - Water: 70-100 %
  - Other information: No further relevant information available.

10 Stability and Reactivity

- Reactivity: Stable under normal conditions.
- Chemical stability: Stable under normal conditions.
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions: No dangerous reactions known.
- Conditions to avoid: Contact with strong oxidizers, alkaline chemicals and reactive metals.
Trade name: Tex Clean Scum Away

- **Incompatible materials:**
  - Strong bases, strong oxidizing agents, metals, powdered metals, halides, organic materials, fulminates, picrates, cyanides, alkali halides, metal salts, azides, nitromethane, phosphorus, cyclopentadiene, cyclopentanone oxime, nitroaryl amines, hexalithium disilicide, metal oxides, lactic acid, phosphorus pentoxides, sulfides, silicious materials, antimony compounds and propylene glycol.
- **Hazardous decomposition products:** Hydrogen fluoride gas, Sulfur Oxides and Phosphorus Oxides.

### 11 Toxicological Information

- **Information on toxicological effects:**
- **Acute toxicity:**
  - **LD/LC50 values that are relevant for classification:**
    | 7664-38-2 Phosphoric acid |
    | Oral LD50 | >5000 mg/kg (rat) (OECD Test Guideline 423) |
    | Dermal LD50 | 2740 mg/kg (rabbit) |

| 7664-93-9 Sulfuric Acid |
| Oral LD50 | 2140 ml/kg (rat) |
| Inhalative LC50/96 hours | 375 mg/l (rat) |
| Sulfuric acid is harmful by all routes of entry. |

| 7664-39-3 Hydrofluoric acid |
| Oral LD50 | 1276 mg/kg (rat) |
| LD50 Oral | 80 ml/kg (Guinea Pig) |
| Inhalative LC50/4 h | 2240 mg/l (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. Corrosive effect.
- **Additional toxicological information:**
  - The product shows the following dangers according to internally approved calculation methods for preparations:
    - Harmful
    - Corrosive
    - Irritant
  - Swallowing will lead to a corrosive effect on mouth and throat and to the danger of perforation of esophagus and stomach.

- **Carcinogenic categories:**
- **IARC (International Agency for Research on Cancer):**
  - Group 1 - Carcinogenic to humans
  - Group 2A - Probably carcinogenic to humans
  - Group 2B - Possibly carcinogenic to humans
  - Group 3 - Not classifiable as to its carcinogenicity to humans
  - Group 4 - Probably not carcinogenic to humans

| 7664-93-9 Sulfuric Acid |

| 7664-93-9 Sulfuric Acid | 1 |

- **NTP (National Toxicology Program):**

| 7664-93-9 Sulfuric Acid |
| K |

(Contd. on page 9)
Trade name: Tex Clean Scum Away

12 Ecological Information

- Toxicity:
  - Aquatic toxicity:
    - 7664-93-9 Sulfuric Acid
      EC50: 22 mg/l (daphnia)
    - 7664-39-3 Hydrofluoric acid
      EC50: 270 mg/l (Fathead Minnow)

- Persistence and degradability:
  The criteria used to determine biodegradability do not apply to inorganic substances.
- Behavior in environmental systems:
  - Bioaccumulative potential: Low potential to bioaccumulate.
  - Mobility in soil: Low mobility in soil.
- Additional ecological information:
  - General notes:
    Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.
    Must not reach bodies of water or drainage ditch undiluted or unneutralized.

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:
    Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Observe all federal, state and local environmental regulations when disposing of this material.

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

14 Transport Information

- UN-Number: UN2922
- DOT, ADR, IMDG, IATA: Corrosive liquids, toxic, n.o.s. (Hydrogen fluoride, Sulfuric acid)
  - UN proper shipping name:
    - DOT, IATA: UN2922 Corrosive liquids, toxic, n.o.s. (Hydrogen fluoride, Sulfuric acid)
    - ADR: CORROSIVE LIQUID, TOXIC, N.O.S. (HYDROGEN FLUORIDE, SULPHURIC ACID)

(Contd. on page 10)
Trade name: Tex Clean Scum Away

- Transport hazard class(es):
  - DOT
    - Class: 8 Corrosive substances
    - Label: 8, 6.1
  - ADR
    - Class: 8 (CT1) Corrosive substances
    - Label: 8+6.1
  - IMDG
    - Class: 8 Corrosive substances
    - Label: 8/6.1
  - IATA
    - Class: 8 Corrosive substances
    - Label: 8 (6.1)
  - Packing group: 8 (6.1)
  - Environmental hazards: Not applicable.
  - Special precautions for user: Warning: Corrosive substances
  - Danger code (Kemler): 86
  - EMS Number: F-A, S-B
  - Segregation groups: Acids
  - Stowage Category: B
  - Stowage Code: SW2 Clear of living quarters.
  - Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.
  - Transport/Additional information:
  - DOT
    - Quantity limitations: On passenger aircraft/rail: 1 L
    - On cargo aircraft only: 30 L

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Safety Data Sheet (SDS)
OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 02/29/2016 Reviewed on 01/20/2016

Trade name: Tex Clean Scum Away

- ADR
  - Excluded quantities (EQ): Code: E2
    Maximum net quantity per inner packaging: 30 ml
    Maximum net quantity per outer packaging: 500 ml

- IMDG
  - Limited quantities (LQ): 1L
    Code: E2
    Maximum net quantity per inner packaging: 30 ml
    Maximum net quantity per outer packaging: 500 ml
  - Excluded quantities (EQ): Code: E2
  - UN "Model Regulation":
    UN 2922 CORROSIVE LIQUIDS, TOXIC, N.O.S. (HYDROGEN FLUORIDE, SULFURIC ACID), 8 (6.1), II

15 Regulatory Information

- Safety, health and environmental regulations/legislation specific for the substance or mixture:
  - SARA (Superfund Amendments and Reauthorization):
    - Section 355 (extremely hazardous substances):
      7664-93-9 Sulfuric Acid
      7664-39-3 Hydrofluoric acid
    - Section 313 (Specific toxic chemical listings):
      7664-38-2 Phosphoric acid
      7664-93-9 Sulfuric Acid
      7664-39-3 Hydrofluoric acid
  - TSCA (Toxic Substances Control Act):
    All ingredients are listed or exempt from listing.
  - California Proposition 65:
    - Chemicals known to cause cancer:
      None of the ingredients are listed.
    - 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.
  - New Jersey Right-to-Know List:
    None of the ingredients are listed.
  - New Jersey Special Hazardous Substance List:
    None of the ingredients are listed.
  - Pennsylvania Special Hazardous Substance List:
    None of the ingredients are listed.
  - Carcinogenic categories:
    - EPA (Environmental Protection Agency):
      None of the ingredients are listed.

(Contd. on page 12)
Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 02/29/2016 Reviewed on 01/20/2016

Trade name: Tex Clean Scum Away

- **TLV (Threshold Limit Value established by ACGIH):**
  - 7664-93-9 Sulfuric Acid [A2]

- **NIOSH-Ca (National Institute for Occupational Safety and Health):**
  - None of the ingredients are listed.

- **GHS label elements**
  - The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Signal word:** Danger

- **Hazard-determining components of labeling:**
  - Hydrofluoric acid
  - Phosphoric acid
  - Sulfuric Acid

- **Hazard statements:**
  - H300+H310 Fatal if swallowed or in contact with skin.
  - H314 Causes severe skin burns and eye damage.
  - H350 May cause cancer.

- **Precautionary statements:**
  - P260 Do not breathe dusts or mists.
  - P280 Wear protective gloves / protective clothing.
  - P280 Wear eye protection / face protection.
  - P262 Do not get in eyes, on skin, or on clothing.
  - P264 Wash thoroughly after handling.
  - P270 Do not eat, drink or smoke when using this product.
  - P201 Obtain special instructions before use.
  - P202 Do not handle until all safety precautions have been read and understood.
  - P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
  - P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
  - P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
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  - P302+P352 IF ON SKIN: Wash with plenty of water.
  - P361+P364 Take off immediately all contaminated clothing and wash it before reuse.
  - P405 Store locked up.
  - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **National regulations:**
  - The product is subject to be classified according with the latest version of the regulations on hazardous substances.

(Contd. on page 13)
Trade name: Tex Clean Scum Away

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

<table>
<thead>
<tr>
<th>16 Other Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractural relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.</td>
</tr>
</tbody>
</table>

- **Date of preparation / last revision:** 02/29/2016 / -

- **Abbreviations and acronyms:**
  - ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
  - ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - 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)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - NIOSH: National Institute for Occupational Safety
  - OSHA: Occupational Safety & Health
  - TLV: Threshold Limit Value
  - PEL: Permissible Exposure Limit
  - REL: Recommended Exposure Limit
  - Met. Corr. 1: Corrosive to metals, Hazard Category 1
  - Acute Tox. 2: Acute toxicity, Hazard Category 2
  - Acute Tox. 1: Acute toxicity, Hazard Category 1
  - Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A
  - Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
  - Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
  - Carc. 1A: Carcinogenicity, Hazard Category 1A

- **Data compared to the previous version altered.**

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