1 Identification

- Product identifier
- Trade name: Custom Standard
- Part number: ICUS-3298
- Application of the substance / the mixture Laboratory chemicals

- Details of the supplier of the safety data sheet
- Manufacturer/Supplier: ULTRA Scientific, Inc.  
  250 Smith Street  
  North Kingstown, RI  02852  
  USA

- Information department:
  Telephone: (401) 294-9400  
  Fax: (401) 295-2300  
  E-mail: regulatory@ultrasci.com
- Emergency telephone number:  
  US: +1-800-424-9300  
  Outside US: +1-703-527-3887

2 Hazard(s) identification

- Classification of the substance or mixture

  GHS08 Health hazard
  Carc. 1A  H350  May cause cancer.
  Repr. 1  H360  May damage fertility or the unborn child.

  GHS05 Corrosion
  Eye Dam. 1  H318  Causes serious eye damage.

  GHS07
  Skin Irrit. 2  H315  Causes skin irritation.

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

  GHS05  GHS08

- Signal word Danger
- Hazard-determining components of labeling:
  nitric acid
  Nitric acid, nickel(2+) salt, hexahydrate

(Contd. on page 2)
Hazard statements
Causes skin irritation.
Causes serious eye damage.
May cause cancer.
May damage fertility or the unborn child.

Precautionary statements
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If exposed or concerned: Get medical advice/attention. Immediately call a poison center/doctor.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
Store locked up.
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)

Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

Composition/information on ingredients

Chemical characterization: Mixtures
Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous components:

<table>
<thead>
<tr>
<th>Substance ID</th>
<th>Substance Name</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>7697-37-2</td>
<td>nitric acid</td>
<td>4.95%</td>
</tr>
<tr>
<td>10043-35-3</td>
<td>boric acid</td>
<td>0.286%</td>
</tr>
<tr>
<td>13478-00-7</td>
<td>Nitric acid, nickel(2+) salt, hexahydrate</td>
<td>0.248%</td>
</tr>
</tbody>
</table>

First-aid measures

Description of first aid measures
After inhalation: In case of unconsciousness place patient stably in side position for transportation.
After skin contact: Immediately wash with water and soap and rinse thoroughly.
Safety Data Sheet
acc. to OSHA HCS

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Reviewed on 04/18/2018

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(Contd. of page 2)

- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- Information for doctor:
  - 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.

5 Fire-fighting measures

- Extinguishing media
  - Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- Special hazards arising from the substance or mixture: No further relevant information available.
- Advice for firefighters
  - Protective equipment: No special measures required.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  Wear protective equipment. Keep unprotected persons away.
- Environmental precautions: Do not allow to enter sewers/surface or ground water.
- Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Use neutralizing agent.
  Dispose contaminated material as waste according to item 13.
  Ensure adequate ventilation.
- 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.
- Protective Action Criteria for Chemicals

  - PAC-1:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical Name</th>
<th>Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>7697-37-2</td>
<td>nitric acid</td>
<td>0.16 ppm</td>
</tr>
<tr>
<td>7784-27-2</td>
<td>aluminium nitrate</td>
<td>83 mg/m³</td>
</tr>
<tr>
<td>7782-61-8</td>
<td>iron (III) nitrate nonahydrate</td>
<td>22 mg/m³</td>
</tr>
<tr>
<td>10043-35-3</td>
<td>boric acid</td>
<td>6 mg/m³</td>
</tr>
<tr>
<td>13478-00-7</td>
<td>Nitric acid, nickel(2+) salt, hexahydrate</td>
<td>1.5 mg/m³</td>
</tr>
<tr>
<td>10196-18-6</td>
<td>zinc(II) nitrate hexahydrate</td>
<td>27 mg/m³</td>
</tr>
<tr>
<td>7722-76-1</td>
<td>ammonium dihydrogenorthophosphate</td>
<td>17 mg/m³</td>
</tr>
<tr>
<td>10377-66-9</td>
<td>manganese dinitrate</td>
<td>9.8 mg/m³</td>
</tr>
<tr>
<td>3251-23-8</td>
<td>copper dinitrate</td>
<td>8.9 mg/m³</td>
</tr>
<tr>
<td>10022-31-8</td>
<td>barium nitrate</td>
<td>2.9 mg/m³</td>
</tr>
<tr>
<td>1327-53-3</td>
<td>diarsenic trioxide</td>
<td>0.27 mg/m³</td>
</tr>
</tbody>
</table>

  - PAC-2:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical Name</th>
<th>Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>7697-37-2</td>
<td>nitric acid</td>
<td>24 ppm</td>
</tr>
<tr>
<td>7784-27-2</td>
<td>aluminium nitrate</td>
<td>920 mg/m³</td>
</tr>
<tr>
<td>7782-61-8</td>
<td>iron (III) nitrate nonahydrate</td>
<td>110 mg/m³</td>
</tr>
<tr>
<td>10043-35-3</td>
<td>boric acid</td>
<td>23 mg/m³</td>
</tr>
</tbody>
</table>

(Contd. on page 4)
Trade name: Custom Standard

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Description</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>13478-00-7</td>
<td>Nitric acid, nickel(2+) salt, hexahydrate</td>
<td>53 mg/m³</td>
</tr>
<tr>
<td>10196-18-6</td>
<td>zinc(II) nitrate hexahydrate</td>
<td>300 mg/m³</td>
</tr>
<tr>
<td>7722-76-1</td>
<td>ammonium dihydrogenorthrophosphate</td>
<td>190 mg/m³</td>
</tr>
<tr>
<td>10377-66-9</td>
<td>manganese dinitrate</td>
<td>16 mg/m³</td>
</tr>
<tr>
<td>3251-23-8</td>
<td>copper dinitrate</td>
<td>31 mg/m³</td>
</tr>
<tr>
<td>10022-31-8</td>
<td>barium nitrate</td>
<td>350 mg/m³</td>
</tr>
<tr>
<td>1327-53-3</td>
<td>diarsenic trioxide</td>
<td>3.0 mg/m³</td>
</tr>
</tbody>
</table>

- PAC-3:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Description</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>7697-37-2</td>
<td>nitric acid</td>
<td>92 ppm</td>
</tr>
<tr>
<td>7784-27-2</td>
<td>aluminium nitrate</td>
<td>5,500 mg/m³</td>
</tr>
<tr>
<td>7782-61-8</td>
<td>iron (III) nitrate nonahydrate</td>
<td>640 mg/m³</td>
</tr>
<tr>
<td>10043-35-3</td>
<td>boric acid</td>
<td>830 mg/m³</td>
</tr>
<tr>
<td>13478-00-7</td>
<td>Nitric acid, nickel(2+) salt, hexahydrate</td>
<td>320 mg/m³</td>
</tr>
<tr>
<td>10196-18-6</td>
<td>zinc(II) nitrate hexahydrate</td>
<td>1,800 mg/m³</td>
</tr>
<tr>
<td>7722-76-1</td>
<td>ammonium dihydrogenorthrophosphate</td>
<td>1,100 mg/m³</td>
</tr>
<tr>
<td>10377-66-9</td>
<td>manganese dinitrate</td>
<td>96 mg/m³</td>
</tr>
<tr>
<td>3251-23-8</td>
<td>copper dinitrate</td>
<td>190 mg/m³</td>
</tr>
<tr>
<td>10022-31-8</td>
<td>barium nitrate</td>
<td>2,100 mg/m³</td>
</tr>
<tr>
<td>1327-53-3</td>
<td>diarsenic trioxide</td>
<td>9.1 mg/m³</td>
</tr>
</tbody>
</table>

7 Handling and storage

- Handling:
  - Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace.
  - Information about protection against explosions and fires: No special measures required.

- Conditions for safe storage, including any incompatibilities

- Storage:
  - Requirements to be met by storerooms and receptacles: No special requirements.
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions: Keep receptacle tightly sealed.

Specific end use(s): No further relevant information available.

8 Exposure controls/personal protection

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

- Control parameters
  - Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the remaining constituent has no known exposure limits.

7697-37-2 nitric acid

<table>
<thead>
<tr>
<th>Description</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL Long-term value: 5 mg/m³, 2 ppm</td>
<td></td>
</tr>
<tr>
<td>REL Short-term value: 10 mg/m³, 4 ppm</td>
<td></td>
</tr>
<tr>
<td>Long-term value: 5 mg/m³, 2 ppm</td>
<td></td>
</tr>
</tbody>
</table>

(Contd. on page 5)
46.0.5 TLV Short-term value: 10 mg/m³, 4 ppm
Long-term value: 5.2 mg/m³, 2 ppm

10043-35-3 boric acid
TLV Short-term value: 6* mg/m³
Long-term value: 2* mg/m³
*as inhalable fraction

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

· Exposure controls
· Personal protective equipment:

· General protective and hygienic measures:
  Keep away from foodstuffs, beverages and feed.
  Immediately remove all soiled and contaminated clothing.
  Wash hands before breaks and at the end of work.
  Store protective clothing separately.
  Avoid contact with the skin.
  Avoid contact with the eyes and skin.

· Breathing equipment:
  In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· Protection of hands:

  Protective gloves

· 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 can not 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 found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:

  Tightly sealed goggles

9 Physical and chemical properties

· Information on basic physical and chemical properties
  · General Information
    · Appearance:
      Form: Fluid
      Color: According to product specification
      Odor: Characteristic
      Odor threshold: Not determined.
  · pH-value: Not determined.
### 46.0.5 Change in condition

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point/Melting range</td>
<td>Undetermined.</td>
</tr>
<tr>
<td>Boiling point/Boiling range</td>
<td>100 °C (212 °F)</td>
</tr>
</tbody>
</table>

### 8.0 Flash point:
Not applicable.

### 9.0 Flammability (solid, gaseous):
Not applicable.

### 10.0 Decomposition temperature:
Not determined.

### 11.0 Auto igniting:
Product is not selfigniting.

### 12.0 Danger of explosion:
Product does not present an explosion hazard.

### 13.0 Explosion limits:
- **Lower:** Not determined.
- **Upper:** Not determined.

### 14.0 Vapor pressure at 20 °C (68 °F):
23 hPa (17.3 mm Hg)

### 15.0 Density:
- **Relative density:** Not determined.
- **Vapor density:** Not determined.
- **Evaporation rate:** Not determined.

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

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

### 18.0 Viscosity:
- **Dynamic:** Not determined.
- **Kinematic:** Not determined.

### 19.0 Solvent content:
- **Water:** 92.1 %
- **VOC content:** 0.00 %
- 0.0 g/l / 0.00 lb/gl

### 20.0 Solids content:
3.0 %

### 21.0 Other information
No further relevant information available.
11 Toxicological information

• Information on toxicological effects
• Acute toxicity:
  • LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimate)

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50/4 h</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitric acid, nickel(2+) salt, hexahydrate</td>
<td>1,354 mg/L</td>
<td>(rat)</td>
</tr>
<tr>
<td>Nitric acid, nickel(2+) salt, hexahydrate</td>
<td>67 mg/L</td>
<td>(rat)</td>
</tr>
<tr>
<td>Boric acid</td>
<td>2,660 mg/kg</td>
<td>(rat)</td>
</tr>
<tr>
<td>Nitric acid, nickel(2+) salt, hexahydrate</td>
<td>&gt;2,000 mg/kg</td>
<td>(rabbit)</td>
</tr>
<tr>
<td>Nitric acid, nickel(2+) salt, hexahydrate</td>
<td>0.16 mg/L</td>
<td>(rat)</td>
</tr>
<tr>
<td>Diarsenic trioxide</td>
<td>1,620 mg/kg</td>
<td>(rat)</td>
</tr>
<tr>
<td>Diarsenic trioxide</td>
<td>20 mg/kg</td>
<td>(rat)</td>
</tr>
</tbody>
</table>

• Primary irritant effect:
  • on the skin: Irritant to 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 internally approved calculation methods for preparations:
  Irritant

• Carcinogenic categories

  • IARC (International Agency for Research on Cancer)
    | Substance                          | Carcinogenicity |
    |------------------------------------|-----------------|
    | 13478-00-7 Nitric acid, nickel(2+) salt, hexahydrate | 1               |
    | 1327-53-3 diarsenic trioxide        | 1               |

  • NTP (National Toxicology Program)
    | Substance                          | Carcinogenicity |
    |------------------------------------|-----------------|
    | 13478-00-7 Nitric acid, nickel(2+) salt, hexahydrate | K               |
    | 1327-53-3 diarsenic trioxide        | K               |

  • OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

• Toxicity
  • Aquatic toxicity: No further relevant information available.
  • Persistence and degradability: No further relevant information available.
  • Behavior in environmental systems:
  • Bioaccumulative potential: No further relevant information available.
  • Mobility in soil: No further relevant information available.
• Additional ecological information:
  • General notes:
    Water hazard class 2 (Self-assessment): hazardous for water
    Do not allow product to reach ground water, water course or sewage system.
Must not reach bodies of water or drainage ditch undiluted or unneutralized. Danger to drinking water if even small quantities leak into the ground.

- **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.

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

### 14 Transport information

<table>
<thead>
<tr>
<th>DOT, IMDG, IATA</th>
<th>UN3264</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UN proper shipping name</strong></td>
<td></td>
</tr>
<tr>
<td>DOT</td>
<td>Corrosive liquid, acidic, inorganic, n.o.s. (Nitric acid)</td>
</tr>
<tr>
<td>IMDG, IATA</td>
<td>CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID)</td>
</tr>
</tbody>
</table>

- **Transport hazard class(es)**
  - **DOT**
    - **Class** 8 Corrosive substances
    - **Label** 8

<table>
<thead>
<tr>
<th>DOT, IMDG, IATA</th>
<th>III</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Packing group</strong></td>
<td></td>
</tr>
<tr>
<td>DOT, IMDG, IATA</td>
<td>III</td>
</tr>
</tbody>
</table>

- **Environmental hazards:** Not applicable.
- **Special precautions for user** Warning: Corrosive substances
- **Danger code (Kemler):** 80
- **EMS Number:** F-A,S-B
- **Segregation groups** Acids
- **Stowage Category** A
Trade name: Custom Standard

<table>
<thead>
<tr>
<th>Stowage Code</th>
<th>SW2 Clear of living quarters.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Transport/Additional information:</td>
<td></td>
</tr>
<tr>
<td>DOT</td>
<td></td>
</tr>
<tr>
<td>Quantity limitations</td>
<td>On passenger aircraft/rail: 5 L</td>
</tr>
<tr>
<td></td>
<td>On cargo aircraft only: 60 L</td>
</tr>
<tr>
<td>IMDG</td>
<td></td>
</tr>
<tr>
<td>Limited quantities (LQ)</td>
<td>5L</td>
</tr>
<tr>
<td>Excepted quantities (EQ)</td>
<td>Code: E1</td>
</tr>
<tr>
<td></td>
<td>Maximum net quantity per inner packaging: 30 ml</td>
</tr>
<tr>
<td></td>
<td>Maximum net quantity per outer packaging: 1000 ml</td>
</tr>
<tr>
<td>UN &quot;Model Regulation&quot;:</td>
<td>UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID), 8, III</td>
</tr>
</tbody>
</table>

**15 Regulatory information**

<table>
<thead>
<tr>
<th>Safety, health and environmental regulations/legislation specific for the substance or mixture</th>
<th>Sara</th>
</tr>
</thead>
<tbody>
<tr>
<td>· Section 355 (extremely hazardous substances):</td>
<td></td>
</tr>
<tr>
<td>7697-37-2 nitric acid</td>
<td></td>
</tr>
<tr>
<td>1327-53-3 diarsenic trioxide</td>
<td></td>
</tr>
<tr>
<td>· Section 313 (Specific toxic chemical listings):</td>
<td></td>
</tr>
<tr>
<td>7697-37-2 nitric acid</td>
<td></td>
</tr>
<tr>
<td>7784-27-2 aluminium nitrate</td>
<td></td>
</tr>
<tr>
<td>7789-02-8 chromium (III) nitrate nonahydrate</td>
<td></td>
</tr>
<tr>
<td>7782-61-8 iron (III) nitrate nonahydrate</td>
<td></td>
</tr>
<tr>
<td>13478-00-7 Nitric acid, nickel(2+) salt, hexahydrate</td>
<td></td>
</tr>
<tr>
<td>10196-18-6 zinc(II) nitrate hexahydrate</td>
<td></td>
</tr>
<tr>
<td>10377-66-9 manganese dinitrate</td>
<td></td>
</tr>
<tr>
<td>3251-23-8 copper dinitrate</td>
<td></td>
</tr>
<tr>
<td>10022-31-8 barium nitrate</td>
<td></td>
</tr>
<tr>
<td>1327-53-3 diarsenic trioxide</td>
<td></td>
</tr>
<tr>
<td>· TSCA (Toxic Substances Control Act):</td>
<td></td>
</tr>
<tr>
<td>7697-37-2 nitric acid</td>
<td></td>
</tr>
<tr>
<td>10043-35-3 boric acid</td>
<td></td>
</tr>
<tr>
<td>7722-76-1 ammonium dihydrogenorthophosphate</td>
<td></td>
</tr>
<tr>
<td>10377-66-9 manganese dinitrate</td>
<td></td>
</tr>
<tr>
<td>3251-23-8 copper dinitrate</td>
<td></td>
</tr>
<tr>
<td>10022-31-8 barium nitrate</td>
<td></td>
</tr>
<tr>
<td>1327-53-3 diarsenic trioxide</td>
<td></td>
</tr>
<tr>
<td>7732-18-5 water</td>
<td></td>
</tr>
</tbody>
</table>
Safety Data Sheet  
acc. to OSHA HCS

Printing date 04/18/2018  
Version Number 1  
Reviewed on 04/18/2018

Trade name: Custom Standard

- **TSCA new (21st Century Act) (Substances not listed)**
  - 13478-00-7 Nitric acid, nickel(2+) salt, hexahydrate

- **Proposition 65**
  - **Chemicals known to cause cancer:**
    - 13478-00-7 Nitric acid, nickel(2+) salt, hexahydrate
    - 1327-53-3 diarsenic trioxide
  - **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:**
    - 1327-53-3 diarsenic trioxide

- **Carcinogenic categories**
  - **EPA (Environmental Protection Agency)**
    - 10043-35-3 boric acid I (oral)
    - 10377-66-9 manganese dinitrate D
    - 10022-31-8 barium nitrate D, CBD(inh), NL(oral)
    - 1327-53-3 diarsenic trioxide A
  - **TLV (Threshold Limit Value established by ACGIH)**
    - 10043-35-3 boric acid A4
    - 10022-31-8 barium nitrate A4
    - 1327-53-3 diarsenic trioxide A1
  - **NIOSH-Ca (National Institute for Occupational Safety and Health)**
    - None of the ingredients is listed.

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

- **Hazard pictograms**
  - GHS05
  - GHS08

- **Signal word** Danger

- **Hazard-determining components of labeling:**
  - nitric acid
  - Nitric acid, nickel(2+) salt, hexahydrate

- **Hazard statements**
  - Causes skin irritation.
  - Causes serious eye damage.
  - May cause cancer.
  - May damage fertility or the unborn child.

- **Precautionary statements**
  - Obtain special instructions before use.
  - Do not handle until all safety precautions have been read and understood.
  - Wash thoroughly after handling.
  - Wear protective gloves/protective clothing/eye protection/face protection.

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46.0.5
If on skin: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If exposed or concerned: Get medical advice/attention.
Immediately call a poison center/doctor.
Specific treatment (see on this label).
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· National regulations:

· Additional classification according to Decree on Hazardous Materials:
  Carcinogenic hazardous material group III (dangerous).

· Information about limitation of use:
  Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation.
  Exceptions can be made by the authorities in certain cases.

· 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 04/18/2018 / -

· 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
  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)
  VOC: Volatile Organic Compounds (USA, EU)
  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
  Skin Irrit. 2: Skin corrosion/irritation – Category 2
  Eye Dam. 1: Serious eye damage/eye irritation – Category 1
  Carc. 1A: Carcinogenicity – Category 1A
  Rep. 1: Reproductive toxicity – Category 1