SAFETY DATA SHEET

Product Name: Potassium Chloride Injection Concentrate, USP

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

| Manufacturer Name And Address | Hospira, Inc.  
275 North Field Drive  
Lake Forest, Illinois 60045  
USA |
|-------------------------------|----------------------------------------------------------|
| Emergency Telephone           | CHEMTREC: North America: 800-424-9300;  
International 1-703-527-3887; Australia - 61-290372994; UK - 44-870-8200418  
Hospira, Inc., Non-Emergency  
224 212-2000 |
| Product Name                  | Potassium Chloride Injection Concentrate, USP |
| Synonyms                      | None |

2. HAZARD(S) IDENTIFICATION

Emergency Overview
Potassium Chloride Injection Concentrate, USP, is a solution containing potassium chloride. Potassium is the chief cation of body cells (160 mEq/liter of intracellular water) and is concerned with the maintenance of body fluid composition and electrolyte balance. In clinical use, it is indicated in the treatment of potassium deficiency states when oral replacement is not feasible. In the workplace, this material should be considered potentially irritating to the eyes, respiratory tract and gastrointestinal tract. Based on clinical use, potential target organs include the gastrointestinal system and cardiovascular system.

U.S. OSHA GHS Classification

<table>
<thead>
<tr>
<th>Physical Hazards</th>
<th>Hazard Class</th>
<th>Hazard Category</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not Classified</td>
<td>Not Classified</td>
</tr>
<tr>
<td>Health Hazards</td>
<td>Hazard Class</td>
<td>Hazard Category</td>
</tr>
<tr>
<td>Eye Damage / Irritation</td>
<td>2A</td>
<td></td>
</tr>
</tbody>
</table>

Label Element(s)

- Pictogram: !
- Signal Word: Warning
- Hazard Statement(s): Causes serious eye irritation

Precautionary Statement(s)

- Prevention: Do not breathe vapor or spray  
Wear eye protection/face protection  
Wash hands thoroughly after handling
- Response: Get medical attention if you feel unwell.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.
Product Name: Potassium Chloride Injection Concentrate, USP

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>Approximate Percent by Weight</th>
<th>CAS Number</th>
<th>RTECS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Chloride</td>
<td>&lt;15</td>
<td>7447-40-7</td>
<td>TS8050000</td>
</tr>
</tbody>
</table>

Non-hazardous ingredients include Water for Injection. Hydrochloric acid may be used to adjust the pH.

4. FIRST AID MEASURES

**Eye Contact**
Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

**Skin Contact**
Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

**Inhalation**
Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

**Ingestion**
Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

5. FIRE FIGHTING MEASURES

**Flammability**
None anticipated for this aqueous product.

**Fire & Explosion Hazard**
None anticipated for this aqueous product.

**Extinguishing Media**
As with any fire, use extinguishing media appropriate for primary cause of fire such as carbon dioxide, dry chemical extinguishing powder or foam.

**Special Fire Fighting Procedures**
No special provisions required beyond normal firefighting equipment such as flame and chemical resistant clothing and self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

**Spill Cleanup and Disposal**
Isolate area around spill. Put on suitable protective clothing and equipment as specified by site spill control procedures. Absorb the liquid with suitable material and clean affected area with soap and water. Dispose of spill materials according to the applicable federal, state, or local regulations.

7. HANDLING AND STORAGE

**Handling**
No special handling required for hazard control under conditions of normal product use.

**Storage**
No special storage required for hazard control. For product protection, follow storage recommendations noted on the product case label, the primary container label, or the product insert.

**Special Precautions**
No special precautions required for hazard control.
### 8. EXPOSURE CONTROLS/PERSOAL PROTECTION

#### Exposure Guidelines

<table>
<thead>
<tr>
<th>Component</th>
<th>OSHA-PEL</th>
<th>ACGIH-TLV</th>
<th>AIHA WEEL</th>
<th>Hospira EEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Chloride</td>
<td>8-hr TWA: Not Established</td>
<td>8-hr TWA: Not Established</td>
<td>8-hr TWA: Not Established</td>
<td>8-hr TWA: Not Established</td>
</tr>
</tbody>
</table>

**Notes:** OSHA PEL: US Occupational Safety and Health Administration – Permissible Exposure Limit
ACGIH TLV: American Conference of Governmental Industrial Hygienists – Threshold Limit Value.
AIHA WEEL: Workplace Environmental Exposure Level
EEL: Employee Exposure Limit.
TWA: 8-hour Time Weighted Average.

**Respiratory Protection**

Respiratory protection is normally not needed during intended product use. However, if the generation of aerosols is likely, and engineering controls are not considered adequate to control potential airborne exposures, the use of an approved air-purifying respirator with a HEPA cartridge (N95 or equivalent) is recommended under conditions where airborne aerosol concentrations are not expected to be excessive. For uncontrolled release events, or if exposure levels are not known, provide respirators that offer a high protection factor such as a powered air purifying respirator or supplied air. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions require respirator use. Personnel who wear respirators should be fit tested and approved for respirator use as required.

**Skin Protection**

If skin contact with the product formulation is likely, the use of latex or nitrile gloves is recommended.

**Eye Protection**

Eye protection is normally not required during intended product use. However, if eye contact is likely to occur, the use of chemical safety goggles (as a minimum) is recommended.

**Engineering Controls**

Engineering controls are normally not needed during the normal use of this product.

### 9. PHYSICAL/CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance/Physical State</td>
<td>Clear solution</td>
</tr>
<tr>
<td>Odor</td>
<td>NA</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>NA</td>
</tr>
<tr>
<td>pH</td>
<td>4.6 (4.0 to 8.0)</td>
</tr>
<tr>
<td>Melting point/Freezing Point</td>
<td>NA</td>
</tr>
<tr>
<td>Initial Boiling Point/Boiling Point Range</td>
<td>NA</td>
</tr>
<tr>
<td>Flash Point</td>
<td>NA</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>NA</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>NA</td>
</tr>
<tr>
<td>Upper/Lower Flammability or Explosive Limits</td>
<td>NA</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>NA</td>
</tr>
<tr>
<td>Vapor Density (Air =1)</td>
<td>NA</td>
</tr>
<tr>
<td>Relative Density</td>
<td>NA</td>
</tr>
<tr>
<td>Solubility</td>
<td>NA</td>
</tr>
<tr>
<td>Partition Coefficient: n-octanol/water</td>
<td>NA</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>NA</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>NA</td>
</tr>
<tr>
<td>Viscosity</td>
<td>NA</td>
</tr>
</tbody>
</table>
Product Name: Potassium Chloride Injection Concentrate, USP

10. STABILITY AND REACTIVITY

Reactivity
Not determined.

Chemical Stability
Stable under standard use and storage conditions.

Hazardous Reactions
Not determined

Conditions to Avoid
Not determined

Incompatibilities
Violent reaction with BrF3 (H2SO4 and KMnO4)

Hazardous Decomposition
Not determined. During thermal decomposition, it may be possible to generate irritating vapors and/or toxic fumes of chloride.

Hazardous Polymerization
Not anticipated to occur with this product.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity - Not determined for the product formulation. Information for the ingredients is as follows:

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Percent</th>
<th>Test Type</th>
<th>Route of Administration</th>
<th>Value</th>
<th>Units</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Chloride</td>
<td>100</td>
<td>LD50</td>
<td>Oral</td>
<td>2600</td>
<td>mg/kg</td>
<td>Rat</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1500, 383</td>
<td>mg/kg</td>
<td>Mouse</td>
</tr>
<tr>
<td>Potassium Chloride</td>
<td>100</td>
<td>LD50</td>
<td>Intravenous</td>
<td>142, 39</td>
<td>mg/kg</td>
<td>Rat</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>117</td>
<td>mg/kg</td>
<td>Mouse</td>
</tr>
</tbody>
</table>

LD 50: Dosage that produces 50% mortality.

Occupational Exposure Potential
Information on the absorption of this product via inhalation or skin contact is not available. Avoid liquid aerosol generation and skin contact.

Signs and Symptoms
None anticipated from normal handling of this product. This product should be considered potentially irritating to the eyes and respiratory system. In clinical use, pain or phlebitis may occur when given intravenously via peripheral veins. Excessive doses of potassium may lead to the development of hyperkalemia, especially in patients with renal impairment. Symptoms include paraesthesia of the extremities, muscle weakness, paralysis, cardiac arrhythmias, heart block, cardiac arrest, and confusion. Cardiac toxicity is of particular concern after intravenous dosage. Nausea, vomiting, diarrhea, and abdominal cramps may occur with oral potassium salts. There have been numerous reports of gastrointestinal ulceration, sometimes with hemorrhage and perforation or with the late formation of strictures, after the use of enteric-coated tablets of potassium chloride. Ulceration has also occurred after the use of sustained-release tablets.

Aspiration Hazard
None anticipated from normal handling of this product. However, inadvertent aspiration of this product may produce irritation with coughing.

Dermal Irritation/Corrosion
None anticipated from normal handling of this product.

Ocular Irritation/Corrosion
None anticipated from normal handling of this product. However, inadvertent contact of this product with eyes may produce severe irritation with redness and tearing.

Dermal or Respiratory Sensitization
None anticipated from normal handling of this product.

Reproductive Effects
None anticipated from normal handling of this product. Animal reproduction studies have not been conducted with potassium chloride.
Product Name: Potassium Chloride Injection Concentrate, USP

11. TOXICOLOGICAL INFORMATION: continued

<table>
<thead>
<tr>
<th>Mutagenicity</th>
<th>Potassium chloride was negative in the Ames test.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carcinogenicity</td>
<td>Potassium chloride was negative in a two year dietary carcinogenicity study in male rats.</td>
</tr>
<tr>
<td>Carcinogen Lists</td>
<td>IARC: Not listed  NTP: Not listed  OSHA: Not listed</td>
</tr>
<tr>
<td>Specific Target Organ Toxicity</td>
<td>NA</td>
</tr>
<tr>
<td>– Single Exposure</td>
<td>Based on clinical use, potential target organs include the gastrointestinal system and cardiovascular system.</td>
</tr>
<tr>
<td>– Repeat Exposure</td>
<td></td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

Aquatic Toxicity

Not determined for product. Information for potassium chloride is as follows:

LC50; Species: Ceriodaphnia dubia (Water flea); Conditions: freshwater; static; Concentration: 630000 ug/L (95% confidence limit: 580000 to 670000 ug/L) for 48 hr /total.

LC50; Species: Ceriodaphnia dubia (Water flea); Conditions: freshwater; static; Concentration: 630000 ug/L (95% confidence limit: 580000 to 630000 ug/L) for 24 hr /total.

LC50; Species: Chironomus riparius (Midge); Conditions: freshwater; /conditions of bioassay not specified/; Concentration: 4.81 g/L (95% confidence limit: 3.93 to 5.68 g/L) for 96 hr /total.

LC50; Species: Chironomus tentans (Midge, size 1.56 mm, 1st instar); Conditions: freshwater; static; Concentration: 1250000 ug/L for 96 hr /total.

LC50; Species: Chironomus tentans (Midge, size 4.42 mm, 2nd-3rd instar); Conditions: freshwater; static; Concentration: 1770000 ug/L (95% confidence limit: 590000 to 5260000 ug/L) for 96 hr /total.

LC50; Species: Chironomus tentans (Midge, size 6.07 mm, 3rd instar); Conditions: freshwater; static; Concentration: 2890000 ug/L (95% confidence limit: 2390000 to 350000 ug/L) for 96 hr /total.

LC50; Species: Chironomus tentans (Midge, size 5.86 mm, 3rd instar); Conditions: freshwater; static; Concentration: 3170000 ug/L (95% confidence limit: 2290000 to 4400000 ug/L) for 96 hr /total.

LC50; Species: Chironomus tentans (Midge, size 5.78 mm, 3rd instar); Conditions: freshwater; static; Concentration: 5000000 ug/L (95% confidence limit: 4160000 to 6010000 ug/L) for 96 hr /total.

LC50; Species: Chironomus tentans (Midge, size 5.01 mm, 3rd instar); Conditions: freshwater; static; Concentration: 5110000 ug/L (95% confidence limit: 4180000 to 6240000 ug/L) for 96 hr /total.

LC50; Species: Chironomus tentans (Midge, size 9.41 mm); Conditions: freshwater; static; Concentration: 5300000 ug/L (95% confidence limit: 4330000 to 6520000 ug/L) for 96 hr /total.
Aquatic Toxicity (continued)

LC50; Species: Chironomus tentans (Midge, size 8.67 mm); Conditions: freshwater; static; Concentration: 5360000 ug/L (95% confidence limit: 4430000 to 6490000 ug/L) for 96 hr /total

LC50; Species: Chironomus tentans (Midge, size 10.87 mm, 3rd-4th instar); Conditions: freshwater; static; Concentration: 6190000 ug/L (95% confidence limit: 5370000 to 7130000 ug/L) for 96 hr /total.

LC50; Species: Chironomus tentans (Midge, size 9.42 mm, 3rd-4th instar); Conditions: freshwater; static; Concentration: 6200000 ug/L (95% confidence limit: 4800000 to 7890000 ug/L) for 96 hr /total.

LC50; Species: Chironomus tentans (Midge, size 7.84 mm, 3rd instar); Conditions: freshwater; static; Concentration: 6280000 ug/L (95% confidence limit: 5260000 to 7500000 ug/L) for 96 hr /total.

LC50; Species: Chironomus tentans (Midge, size 10.43 mm, 3rd instar); Conditions: freshwater; static; Concentration: 6830000 ug/L (95% confidence limit: 6380000 to 7310000 ug/L) for 96 hr /total.

EC50; Species: Daphnia magna (Water flea); Conditions: freshwater; static; Concentration: 15.12 mM for 24 hr; Effect: intoxication, immobile /total.

LC50; Species: Daphnia magna (Water flea); Conditions: freshwater; static; Concentration: 29 mg/L for 96 hr /total.

LC50; Species: Daphnia magna (Water flea); Conditions: freshwater; static; Concentration: 117 mg/L for 72 hr /total.

EC50; Species: Daphnia magna (Water flea); Conditions: freshwater; /conditions of bioassay not specified/; Concentration: 7350 umol/L for 24 hr; Effect: intoxication, immobile /total.

EC50; Species: Daphnia magna (Water flea); Conditions: freshwater; static; Concentration: 141460 ug/L (95% confidence limit: 95300 to 170700 ug/L) for 48 hr; Effect: intoxication, immobile /total.

EC50; Species: Daphnia magna (Water flea); Conditions: freshwater; static; Concentration: 327940 ug/L (95% confidence limit: 248600 to 407200 ug/L) for 24 hr; Effect: intoxication, immobile /total.

LC50; Species: Daphnia magna (Water flea, 4th instar or adult); Conditions: freshwater; static; Concentration: 343000 ug/L for 24 hr /total.

LC50; Species: Daphnia magna (Water flea, 4th instar or adult); Conditions: freshwater; static; Concentration: 357000 ug/L for 48 hr /total.

LC50; Species: Daphnia magna (Water flea, < 24 hr); Conditions: freshwater; static; Concentration: 660000 ug/L (95% confidence limit: 440000 to 880000 ug/L) for 48 hr /total.

LC50; Species: Daphnia magna (Water flea, < 24); Conditions: freshwater; static; Concentration: 740000 ug/L (95% confidence limit: 580000 to 880000 ug/L) for 24 hr /total.

LC50; Species: Hyalella azteca (Scud); Conditions: freshwater; flow-through; Concentration: 0.41 g/L (95% confidence limit: 0.35 to 0.49 g/L) for 96 hr /total.
Product Name: Potassium Chloride Injection Concentrate, USP

12. ECOLOGICAL INFORMATION: continued

**Aquatic Toxicity** (continued)

<table>
<thead>
<tr>
<th>LC50</th>
<th>Species</th>
<th>Conditions</th>
<th>Concentration</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hyalella azteca (Scud); freshwater; flow-through; Concentration: 0.54 g/L for 48 hr /total.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hyalella azteca (Scud, size 1.85 mm); freshwater; flow-through; Concentration: 0.54 g/L (95% confidence limit: 0.47 to 0.61 g/L) for 96 hr /total.</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Hyalella azteca (Scud); freshwater; flow-through; Concentration: 0.63 g/L for 72 hr /total.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hyalella azteca (Scud); freshwater; renewal; Concentration: 134000 ug/L for 96 hr /formulated product</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hyalella azteca (Scud); freshwater; static; Concentration: 141900 ug/L (95% confidence limit: 100700 to 199800 ug/L) for 96 hr /total.</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Gambusia affinis (Western mosquitofish, female); freshwater; static; Concentration: 435000 ug/L for 96 hr /total.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gambusia affinis (Western mosquitofish, female); freshwater; static; Concentration: 1990000 ug/L for 48 hr /total.</td>
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<td></td>
</tr>
<tr>
<td>Gambusia affinis (Western mosquitofish, female); freshwater; static; Concentration: 4700000 ug/L for 24 hr /total.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lepomis macrochirus (Bluegill, size 5.3-7.2 cm, wt 3.5-3.9 g); freshwater; static; Concentration: 2010000 ug/L for 96 hr; Effect: mortality, survival /total.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oncorhynchus mykiss (Rainbow trout, donaldson trout, size 5.0-6.0 cm); freshwater; static; Concentration: 1191000 ug/L (95% confidence limit: 923000 to 1536000 ug/L) for 24 hr /99% total.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oncorhynchus mykiss (Rainbow trout, donaldson trout, wt 0.8-1.2 g); freshwater; static; Concentration: 1610000 ug/L (95% confidence limit: 1223000 to 2119000 ug/L) for 48 hr /total.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pimephales promelas (Fathead minnow); freshwater; static; Concentration: 880000 ug/L (95% confidence limit: 750000 to 1020000 ug/L) for 96 hr /total.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pimephales promelas (Fathead minnow); freshwater; static; Concentration: 910000 ug/L (95% confidence limit: 750000 to 1090000 ug/L) for 48 hr /total.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pimephales promelas (Fathead minnow); freshwater; static; Concentration: 950000 ug/L (95% confidence limit: 750000 to 1090000 ug/L) for 24 hr /total.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pimephales promelas (Fathead minnow, size 1.5-2.5 cm); freshwater; static; Concentration: 2465000 ug/L (95% confidence limit: 2133000 to 2850000 ug/L) for 24 hr /99% total.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Persistence/Biodegradability**
Not determined for product.

**Bioaccumulation**
Not determined for product.

**Mobility in Soil**
Not determined for product.

Notes:
1. LC50: Concentration in water that produces 50% mortality in fish.
2. EC50: Concentration in water that produces 50% inhibition of growth in algae.
13. DISPOSAL CONSIDERATIONS

Waste Disposal
All waste materials must be properly characterized. Further, disposal should be performed in accordance with the federal, state or local regulatory requirements.

Container Handling and Disposal
Dispose of container and unused contents in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION

ADR/ADG/ DOT STATUS Not regulated
Proper Shipping Name NA
Hazard Class NA
UN Number NA
Packing Group NA
Reportable Quantity NA
ICAO/IATA STATUS Not regulated
Proper Shipping Name NA
Hazard Class NA
UN Number NA
Packing Group NA
Reportable Quantity NA
IMDG STATUS Not regulated
Proper Shipping Name NA
Hazard Class NA
UN Number NA
Packing Group NA
Reportable Quantity NA

Notes: DOT - US Department of Transportation Regulations

15. REGULATORY INFORMATION

US TSCA Status Exempt. However, potassium chloride is listed on the TSCA inventory.
US CERCLA Status Not listed
US SARA 302 Status Not listed
US SARA 313 Status Not listed
US RCRA Status Not listed
US PROP 65 (Calif.) Not listed


GHS/CLP Classification* *In the EU, classification under GHS/CLP does not apply to certain substances and mixtures, such as medicinal products as defined in Directive 2001/83/EC, which are in the finished state, intended for the final user.

<table>
<thead>
<tr>
<th>Hazard Class</th>
<th>Hazard Category</th>
<th>Pictogram</th>
<th>Signal Word</th>
<th>Hazard Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Prevention</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Do not breathe vapor or spray</td>
<td>Wear eye protection/face protection</td>
<td>Wash hands thoroughly after handling</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Response</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Get medical attention if you feel unwell.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.
15. REGULATORY INFORMATION: continued

**EU Classification**

* Medicinal products are exempt from the requirements of the EU Dangerous Preparations Directive.

<table>
<thead>
<tr>
<th>Classification(s)</th>
<th>NA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Symbol</td>
<td>NA</td>
</tr>
<tr>
<td>Indication of Danger</td>
<td>NA</td>
</tr>
<tr>
<td>Risk Phrases</td>
<td>S23: Do not breathe vapor/spray</td>
</tr>
<tr>
<td></td>
<td>S24: Avoid contact with the skin</td>
</tr>
<tr>
<td></td>
<td>S25: Avoid contact with eyes</td>
</tr>
<tr>
<td>Safety Phrases</td>
<td>S37/39 Wear suitable gloves and eye/face protection.</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

Notes:

- **ACGIH TLV**: American Conference of Governmental Industrial Hygienists – Threshold Limit Value
- **CAS**: Chemical Abstracts Service Number
- **CERCLA**: US EPA law, Comprehensive Environmental Response, Compensation, and Liability Act
- **DOT**: US Department of Transportation Regulations
- **EEL**: Employee Exposure Limit
- **IATA**: International Air Transport Association
- **LD50**: Dosage producing 50% mortality
- **NA**: Not applicable/Not available
- **NE**: Not established
- **NIOSH**: National Institute for Occupational Safety and Health
- **OSHA PEL**: US Occupational Safety and Health Administration – Permissible Exposure Limit
- **Prop 65**: California Proposition 65
- **RCRA**: US EPA, Resource Conservation and Recovery Act
- **RTECS**: Registry of Toxic Effects of Chemical Substances
- **SARA**: Superfund Amendments and Reauthorization Act
- **STEL**: 15-minute Short Term Exposure Limit
- **STOT - SE**: Specific Target Organ Toxicity – Single Exposure
- **STOT - RE**: Specific Target Organ Toxicity – Repeated Exposure
- **TSCA**: Toxic Substance Control Act
- **TWA**: 8-hour Time Weighted Average

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