Section 1 Identification of the Substance/mixture and of the Company/undertaking

1.1 Product Identifier

Product Name: Hemoccult Developer
Part Number: 1771, 3060, 395020, 395183, 395184, 395186, 395245, 395293, 9490
Series Name: Hemoccult

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product Use: For In Vitro Diagnostic Use. See product literature for details.

1.3 Details of the supplier of the safety data sheet

Manufacturer: Beckman Coulter, Inc.
250 S. Kraemer Blvd
Brea, CA 92821, U.S.A.
Tel: 800-854-3633

EC REP Address: Beckman Coulter Eurocenter S.A.
22, rue Juste-Oliver, Case Postale 1044,
CH-1260 Nyon 1, Switzerland.
Telephone +41 (0)22 365 36 11
Monday through Friday, 9:00 am to 7:00 pm)

E-mail address: SDSNT@beckman.com

1.4 Emergency telephone number

Telephone number (24H): Chemtrec Emergency Tel No. U.S.A. 800-424-9300, International (001) 703-527-3887

Distributor and Emergency Phone No.

Refer to attached list, Document ID: A86357, for local distributor and emergency phone numbers.

Section 2 Hazards Identification

2.1 Classification of substance or mixture

Product Description: Mixture
Colorless; Clear; Liquid; Alcohol odor

Classification according to EC 1272/2008 (CLP/GHS)
Flammable Liquids, Category 2
Skin Irritation Category 2
Eye Damage Category 1

Classification according to EC Directives 1999/45/EC and 67/548/EEC
F;R11
Section 2 Hazards Identification (Continued)

Classification according to US-OSHA (HCS 29 CFR 1910.1200) and UN GHS

- Flammable Liquids, Category 2
- Acute Toxicity Oral, Category 5
- Skin Irritation Category 2
- Eye Damage Category 1

2.2 Label Elements

According to EC 1272/2008 (CLP/GHS), US-OSHA and UN GHS

**Hazardous Ingredients**

- Ethyl Alcohol
- Isopropyl Alcohol
- Hydrogen Peroxide

**Pictogram**

- [Flammable]
- [Explosion]

**Signal Word**

DANGER

**Hazard Statements**

- H225 Highly flammable liquid and vapour.
- H303 May be harmful if swallowed
- H315 Causes skin irritation.
- H318 Causes serious eye damage.

**Precautionary Statements**

- P210 Keep away from heat, hot surfaces, and sparks. No smoking.
- P233 Keep container tightly closed.
- P240 Ground container and receiving equipment.
- P241 Use explosion-proof electrical equipment.
- P242 Use non-sparking tools.
- P243 Take action to prevent static discharge.
- P280 Wear protective gloves, protective clothing and eye/face protection.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P303+P361+P353 IF ON SKIN (or hair): Rinse skin with water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER or doctor/physician.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before use.
- P370+P378 In case of fire: Use water spray for extinction.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container in accordance with local/national regulations

Product label will display most significant precautionary statements. 82.2% of product contains ingredients of unknown oral toxicity.
Section 2 Hazards Identification (Continued)

2.3 Other hazards

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

See Section 11 Toxicological Information for more detailed health information.

Section 3 Composition and Information on Ingredients

3.2 Mixtures

<table>
<thead>
<tr>
<th>Hazardous Ingredients:</th>
<th>Hazard Classification of Pure Ingredients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Name</td>
<td>% by wt.</td>
</tr>
<tr>
<td>Ethyl Alcohol</td>
<td>75-85</td>
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<tr>
<td>CAS #  64-17-5</td>
<td></td>
</tr>
<tr>
<td>EINECS # 200-578-6</td>
<td></td>
</tr>
<tr>
<td>Index # 603-002-00-5</td>
<td></td>
</tr>
<tr>
<td>Hydrogen Peroxide</td>
<td>3-6</td>
</tr>
<tr>
<td>CAS #  7722-84-1</td>
<td></td>
</tr>
<tr>
<td>EINECS # 231-765-0</td>
<td></td>
</tr>
<tr>
<td>Index # 008-003-00-9</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>3-6</td>
</tr>
<tr>
<td>CAS #  67-63-0</td>
<td></td>
</tr>
<tr>
<td>EINECS # 200-661-7</td>
<td></td>
</tr>
<tr>
<td>Index # 603-117-00-0</td>
<td></td>
</tr>
</tbody>
</table>

See section 8 for available Occupational exposure limits
See Section 15 for additional regulatory information
See Section 16 for hazard class, hazard statements and risk phrase description

Section 4 First Aid Measures

4.1 Description of first aid measures

Inhalation
If product is inhaled, move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately and obtain medical attention.

Eye Contact
If product enters eyes, wash eyes gently under running water for 15 minutes or longer, making sure that the eyelids are held open. If pain or irritation occur, obtain medical attention.

Skin Contact
In case of skin contact, flush with copious amounts of water for at least 15 minutes. If pain or irritation occur, obtain medical attention.

Ingestion
If ingested, wash mouth out with water. If irritation or discomfort occurs, seek medical attention.
Section 4 First Aid Measures (Continued)

4.2 Most important symptoms and effects, both acute and delayed
Causes serious eye damage.
Causes skin irritation.
May be harmful if swallowed
See Section 11 Toxicological Information for more detailed health information.

4.3 Indication of any immediate medical attention and special treatment needed
No specific medical attention or treatment required.

Section 5 Fire Fighting Measures

5.1 Extinguishing Media
Dry chemical, carbon dioxide or alcohol resistant foam. Use water spray to cool containers exposed to fire.

5.2 Special hazards arising from the substance or mixture
Special Fire and Explosion Hazards
Vapors form explosive mixtures with air above flash point. Vapors are heavier than air; fire may flash from ignition source back along vapor trail.

5.3 Advice for fire fighters
Protective Equipment
Self-contained breathing apparatus is recommended for firefighters in all chemical fire situations.

5.4 Additional information
No further relevant information available.

Section 6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
Personal Precautions
Observe general safety guidelines for protection; avoid eye and skin contact.
Wear protective gloves, protective clothing and eye/face protection.

6.2 Environmental Precautions
Contain spill to prevent migration or evaporation.
Do not allow the undiluted product to enter sewers/surface or ground water.
Dispose of contents/container in accordance with local regulations

6.3 Methods and material for containment and cleaning up
Spill and Leak Procedures
Ventilate area. Remove all sources of ignition. Contain spill and collect with inert absorbent and place in a suitable container for disposal.
Dispose of all waste material in accordance with local guidelines.

6.4 Reference to other sections
Refer sections 8 and 13.
Section 7 Handling and Storage

7.1 Precautions for safe handling
Use good laboratory procedures; avoid eye and skin contact. Avoid inhalation of vapor or mist.

7.2 Conditions for safe storage, including any incompatibilities
Store at 15 to 30°C, as directed on the product label. To maintain product quality, store according to the instructions in the product labeling. Store away from strong acids, strong bases, strong oxidizers and incompatible materials (section 10).

7.3 Specific end uses
No further relevant information available.

Section 8 Exposure Controls and Personal Protection

8.1 Control parameters
Exposure Limits

US OSHA
- Ethyl Alcohol
  CAS # 64-17-5
  1000 ppm TWA; 1900 mg/m3 TWA
- Isopropyl Alcohol
  CAS # 67-63-0
  400 ppm TWA; 980 mg/m3 TWA
- Hydrogen Peroxide
  CAS # 7722-84-1
  1 ppm TWA; 1.4 mg/m3 TWA

ACGIH
- Ethyl Alcohol
  CAS # 64-17-5
  1000 ppm STEL
- Isopropyl Alcohol
  CAS # 67-63-0
  400 ppm STEL; 200 ppm TWA
- Hydrogen Peroxide
  CAS # 7722-84-1
  1 ppm TWA

DFG MAK
- Ethyl Alcohol
  CAS # 64-17-5
  1000 ppm Peak; 1920 mg/m3 Peak; 500 ppm TWA MAK; 960 mg/m3 TWA MAK
- Isopropyl Alcohol
  CAS # 67-63-0
  400 ppm Peak; 1000 mg/m3 Peak; 200 ppm TWA MAK; 500 mg/m3 TWA MAK
- Hydrogen Peroxide
  CAS # 7722-84-1
  0.5 ppm Peak; 0.71 mg/m3 Peak; 0.5 ppm TWA MAK; 0.71 mg/m3 TWA MAK

Ireland
- Ethyl Alcohol
  CAS # 64-17-5
  1000 ppm STEL
- Isopropyl Alcohol
  CAS # 67-63-0
  200 ppm TWA; 400 ppm STEL; Potential for cutaneous absorption
- Hydrogen Peroxide
  CAS # 7722-84-1
  1 ppm TWA; 1.5 mg/m3 TWA; 2 ppm STEL; 3 mg/m3 STEL

IOELVs
None established
Section 8 Exposure Controls and Personal Protection (Continued)

NIOSH

<table>
<thead>
<tr>
<th>Chemical</th>
<th>IDLH</th>
<th>TWA</th>
<th>STEL</th>
<th>TWA</th>
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</thead>
<tbody>
<tr>
<td>Ethyl Alcohol</td>
<td>3300 ppm</td>
<td>1000 ppm</td>
<td>1900 mg/m³</td>
<td></td>
</tr>
<tr>
<td>CAS # 64-17-5</td>
<td>(10% LEL)</td>
<td>TWA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>2000 ppm</td>
<td>500 ppm</td>
<td>1225 mg/m³</td>
<td>980 mg/m³</td>
</tr>
<tr>
<td>CAS # 67-63-0</td>
<td>(10% LEL)</td>
<td>STEL</td>
<td></td>
<td>TWA</td>
</tr>
<tr>
<td>Hydrogen Peroxide</td>
<td>75 ppm</td>
<td>1 ppm</td>
<td>1.4 mg/m³</td>
<td></td>
</tr>
<tr>
<td>CAS # 7722-84-1</td>
<td>IDLH</td>
<td>TWA</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Japan

None established

8.2 Exposure controls

Engineering Controls

No special engineering controls are required. Use with good general ventilation.

Eye Protection

Safety glasses or chemical goggles should be worn to prevent eye contact. Refer U.S. OSHA 29 CFR 1910.133, European Standard EN166 or appropriate government standards.

Skin Protection

Impervious gloves, such as Nitrile or equivalent, should be worn to prevent skin contact. Refer U.S. OSHA 29 CFR 1910.138, European Standard EN374 or appropriate government standards.

Respiratory Protection

Under normal conditions, the use of this product should not require respiratory protection. If overexposure should occur and ventilation is not adequate to maintain airborne concentrations at acceptable levels, the use of respiratory protection should be evaluated by a qualified professional.

Section 9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.9 @20°C (Water=1.0)</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water</td>
</tr>
<tr>
<td>Transparency</td>
<td>Clear</td>
</tr>
<tr>
<td>Odor</td>
<td>Alcohol odor</td>
</tr>
<tr>
<td>pH</td>
<td>Not determined</td>
</tr>
<tr>
<td>Partition coefficient:</td>
<td>Not determined</td>
</tr>
<tr>
<td>n-octanol/water</td>
<td>Not determined</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Auto-ignition Temp.</td>
<td>Not determined</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flash Point</td>
<td>15.5°C (59.9°F)</td>
</tr>
<tr>
<td>Percent Volatiles</td>
<td>Not determined</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flammability Limits</td>
<td>Not determined</td>
</tr>
<tr>
<td>Explosive Properties</td>
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</tr>
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</table>
Section 9 Physical and Chemical Properties (Continued)

<table>
<thead>
<tr>
<th>Vapor Density</th>
<th>Not determined</th>
<th>Oxidizing Properties</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor Threshold</td>
<td>Ethyl Alcohol 180 ppm geometric mean air odor threshold = (detectable); 100 ppm geometric mean air odor threshold = (recognizable) Isopropyl Alcohol 43 ppm geometric mean air odor threshold = (detectable); 19 ppm geometric mean air odor threshold = (recognizable)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

9.2 Other Information

No further relevant information available.

Section 10 Stability and Reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical Stability

The product is stable in accordance with recommended storage conditions.

10.3 Possibility of hazardous reactions

Avoid exposure to heat and incompatible materials.

10.4 Conditions to Avoid

To maintain product performance keep away from strong acids, strong bases, strong oxidizers. Avoid exposure to heat and direct sunlight.

10.5 Incompatible materials

Oxidizing agents

10.6 Hazardous Decomposition Products

When stored as labeled, no known hazardous decomposition products are formed during the shelf-life of this product.

Section 11 Toxicological Information

11.1 Information on toxicological effects

Toxicity Data for Hazardous Ingredients

<table>
<thead>
<tr>
<th>Ethyl Alcohol</th>
<th>Oral LD50 Rat 7060 mg/kg; Inhalation LC50 Rat 124.7 mg/L 4 h</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol</td>
<td>Inhalation LC50 Rat 72.6 mg/L 4 h; Oral LD50 Rat 4396 mg/kg; Dermal LD50 Rat 12800 mg/kg; Dermal LD50 Rabbit 12870 mg/kg</td>
</tr>
<tr>
<td>Hydrogen Peroxide</td>
<td>Inhalation LC50 Rat 2.0 mg/L 4 h; Oral LD50 Rat 801 mg/kg; Dermal LD50 Rat 4060 mg/kg; Dermal LD50 Rabbit 2000 mg/kg</td>
</tr>
</tbody>
</table>

Primary Routes of Exposure

Eye contact, ingestion, inhalation, and skin contact.

Skin Corrosion/Irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory/skin sensitization

No data available.

Carcinogenicity

No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 1272/2008 EC regulation.

Germ cell mutagenicity

No data available.
Section 11 Toxicological Information (Continued)

Reproductive Toxicity
No data available.

Specific target organ toxicity – single exposure
No data available.

Specific target organ toxicity – repeated exposure
No data available.

Aspiration hazard
No data available.

Other Information
May be harmful if swallowed.

Section 12 Ecological Information

12.1 Ecotoxicity

Fresh Water Species

Ethyl Alcohol
CAS # 64-17-5
96 h LC50 Oncorhynchus mykiss: 12.0 - 16.0 mL/L [static]; 96 h LC50 Pimephales promelas: >100 mg/L [static]; 96 h LC50 Pimephales promelas: 13400 - 15100 mg/L [flow-through]

Isopropyl Alcohol
CAS # 67-63-0
96 h LC50 Pimephales promelas: 9640 mg/L [flow-through]; 96 h LC50 Pimephales promelas: 11130 mg/L [static]; 96 h LC50 Lepomis macrochirus: >1400000 µg/L

Hydrogen Peroxide
CAS # 7722-84-1
96 h LC50 Pimephales promelas: 16.4 mg/L; 96 h LC50 Lepomis macrochirus: 18-56 mg/L [static]; 96 h LC50 Oncorhynchus mykiss: 10.0-32.0 mg/L [static]

Microtox

Water Flea

Ethyl Alcohol
CAS # 64-17-5
48 h LC50 Daphnia magna: 9268 - 14221 mg/L; 24 h EC50 Daphnia magna: 10800 mg/L; 48 h EC50 Daphnia magna: 2 mg/L [Static]

Isopropyl Alcohol
CAS # 67-63-0
48 h EC50 Daphnia magna: 13299 mg/L

Hydrogen Peroxide
CAS # 7722-84-1
24 h EC50 Daphnia magna: 7.7 mg/L; 48 h EC50 Daphnia magna: 18 - 32 mg/L [Static]

Fresh Water Algae

Isopropyl Alcohol
CAS # 67-63-0
96 h EC50 Desmodesmus subspicatus: >1000 mg/L; 72 h EC50 Desmodesmus subspicatus: >1000 mg/L

12.2 Persistence and degradability
Not determined for the product.

12.3 Bioaccumulation
Not determined for the product.

12.4 Mobility in soil
Not determined for the product.
Section 12 Ecological Information (Continued)

12.5 Results of PBT and vPvB assessment
Not determined for the product. PBT: Not applicable, vPvB: Not applicable.

12.6 Other Adverse Effects
No further relevant information available.

Section 13 Disposal Considerations

13.1 Waste treatment methods
Product Waste Disposal
Chemical residues and remains should be routinely handled as special waste. This must be disposed of in compliance with anti-pollution and other laws of the country concerned. To ensure compliance we recommend that you contact the relevant (local) authorities and/or an approved waste-disposal company for information.

Package disposal
Dispose of waste product, unused product and contaminated packaging in compliance with federal, state and local regulations. If unsure of the applicable requirements, contact the authorities for information.

13.2 Additional information
Suggested European waste catalogue 18 01 06* - chemicals consisting of or containing dangerous substances. Dispose in accordance with national, state and local waste regulations.

Section 14 Transport Information

<table>
<thead>
<tr>
<th>Shipping Information</th>
<th>IATA</th>
<th>IMDG</th>
<th>US DOT</th>
<th>European ADR</th>
<th>Canadian TDG</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2 Shipping Name</td>
<td>Alcohols, n.o.s. (Ethanol, Isopropanol solution)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.3 Hazard Class</td>
<td>3 Flammable Liquids</td>
<td>3 Flammable liquids</td>
<td>3 ORM-D Consumer Commodity</td>
<td>3 Flammable Liquids</td>
<td>3 Flammable Liquids</td>
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<td>Subsidiary Risk Classification Code</td>
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<td>None</td>
<td>None</td>
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<td>14.4 Packing Group</td>
<td>II</td>
<td>II</td>
<td>II</td>
<td>II</td>
<td>II</td>
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<td>Special Provisions</td>
<td>A3, A180</td>
<td>274</td>
<td>172</td>
<td>274</td>
<td>16</td>
</tr>
<tr>
<td>Additional information</td>
<td>IATA ERG Code</td>
<td>3L</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td></td>
<td>EmS</td>
<td>Not applicable</td>
<td>F-E, S-D</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td></td>
<td>NAERG Code</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>127</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.5 Environmental Hazards</td>
<td>Marine Pollutant</td>
<td>Not applicable</td>
<td>No</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
Section 14 Transport Information (Continued)

14.6 Special Precautions for user

Warning: Flammable liquid.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Section 15 Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

US Federal and State Regulations

SARA 313 Isopropyl Alcohol is subject to reporting requirements of Section 313, Title III of SARA. 1.0 % de minimis concentration

California Proposition 65 No ingredients listed.

Massachusetts MSL Ethyl Alcohol is listed.
Isopropyl Alcohol is listed.
Hydrogen Peroxide is listed.

New Jersey Dept. of Health RTK List

Ethyl Alcohol is listed.
Isopropyl Alcohol is listed.
Hydrogen Peroxide is listed.

Pennsylvania RTK Ethyl Alcohol is listed.
Isopropyl Alcohol is listed.
Hydrogen Peroxide is listed.

EU Regulations

This SDS complies with EC Regulations 1907/2006 (REACH) and amendments.

Water Hazard Class (Germany) WGK 1, low water endangering

REACH 1907/2006 EC - Annex XIV - list of substances subject to authorization.

No ingredients listed.

According to EC Directives (1999/45/EC and 67/548 EEC)

Highly flammable

Risk and Safety Phrases

R11 Highly flammable.
S16 Keep away from sources of ignition - No smoking.
S7 Keep container tightly closed.

Canada

This product is exempt from WHMIS label and SDS requirements.

PIN 1987

©2015 Beckman Coulter, Inc.
Global SDS – English
Section 15 Regulatory Information (Continued)

Ingredients on Ingredient Disclosure List

- Ethyl Alcohol
- Isopropyl Alcohol
- Hydrogen Peroxide

Ingredients with unknown toxicological properties

Product is exempt

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

Some hazardous ingredients listed in Section 15 are below OSHAs and WHMIS’ 1.0% w/w (0.1% for carcinogens) or EU’s ingredient specific concentrations required for reporting in Section 3.

Section 16 Other Information

Beckman Coulter Safety Rating

<table>
<thead>
<tr>
<th>Flammability: 3</th>
<th>Health: 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity with Water: 1</td>
<td>Contact: 2</td>
</tr>
<tr>
<td>Code</td>
<td>0=None</td>
</tr>
<tr>
<td>1=Slight</td>
<td></td>
</tr>
<tr>
<td>2=Caution</td>
<td></td>
</tr>
<tr>
<td>3=Severe</td>
<td></td>
</tr>
</tbody>
</table>

Revision Changes

Updated to GHS.

Hazard Class, hazard statements and risk phrase description from section 3

- C - Corrosive
- F - Highly flammable
- O - Oxidising
- Xi - Irritant
- R11 Highly flammable.
- R35 Causes severe burns.
- R20/22 Harmful by inhalation and if swallowed.
- R36 Irritating to eyes.
- R67 Vapours may cause drowsiness and dizziness.
- R5 Heating may cause an explosion.
- R8 Contact with combustible material may cause fire.
- Acute Tox. Inhal. 4 - Acute Toxicity Inhalation, Category 4
- Acute Tox. Oral 4 - Acute Toxicity Oral, Category 4
- Eye Dam. 1 - Eye Damage Category 1
- Eye Irrit. 2 - Eye Irritation Category 2
- Flam. Liq. 2 - Flammable Liquids, Category 2
- Ox. Liq. 1 - Oxidizing Liquids Category 1
- Skin Corr. 1A - Skin Corrosion Category 1A
- STOT SE 3 - Specific Target Organ Toxicity Single Exposure Category 3
- STOT SE 3 - Specific Target Organ Toxicity Single Exposure Category 3
- H225 - Highly flammable liquid and vapour.
- H271 - May cause fire or explosion; strong oxidiser.
- H302 - Harmful if swallowed.
- H314 - Causes severe skin burns and eye damage.
- H318 - Causes serious eye damage.
### Section 16 Other Information (Continued)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H319</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled.</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation.</td>
</tr>
<tr>
<td>H336</td>
<td>May cause drowsiness or dizziness.</td>
</tr>
</tbody>
</table>

#### Abbreviations and Acronyms

- **ACGIH**: American Conference of Governmental Industrial Hygienists
- **ADR**: European Agreement Concerning The International Carriage Of Dangerous Goods By Road
- **CERCLA**: The Comprehensive Environmental Response, Compensation, and Liability Act
- **CLP**: Classification, Labeling and Packaging
- **DFGMAK**: Republic Germany’s maximum exposure limit
- **GHS**: Globally Harmonized System
- **HCS**: Hazard Communication Standard
- **IARC**: International Agency for Research on Cancer
- **IATA**: International Air Transport Association
- **ICAO**: International Civil Aviation Organization
- **IMDG**: International Maritime Dangerous Goods
- **IOELV**: Europe’s Indicative Occupational Exposure Limit Values
- **NIOSH**: National Institute for Occupational Safety and Health
- **NTP**: National Toxicology Program
- **OSHA**: Occupational Safety and Health Administration
- **PBT**: Persistent bioaccumulative and toxic substances
- **SARA**: Superfund Amendments and Reauthorization Act
- **TDG**: Canadian Transportation Of Dangerous Goods Regulations
- **UN GHS**: United Nations Globally Harmonized System
- **US DOT**: United States Department of Transportation
- **WHMIS**: Workplace Hazardous Material Information System
- **vPvB**: Very persistent and very bioaccumulative substances
- **LC50**: Lethal Concentration, 50%
- **LD50**: Lethal Dose, 50%

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