# 1. PRODUCT & COMPANY IDENTIFICATION

1.1 **Product Name:** OPI ProSpa EXFOLIATING CUTICLE CREAM

1.2 **Chemical Name:** Botanical Mixture

1.3 **Synonyms:** NA

1.4 **Trade Names:** ASE20

1.5 **Product Use:** Professional or Sundry Use Only

1.6 **Distributor's Name:** OPI Products, Inc.

1.7 **Distributor's Address:** 13034 Saticoy Street, No. Hollywood, CA 91605 USA

1.8 **Emergency Phone:** CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN 16377)

1.9 **Business Phone / Fax:** +1 (818) 759-2400 / +1 (818) 759-5776

# 2. HAZARDS IDENTIFICATION

2.1 **Hazard Identification:** This product is not classified as a hazardous substance or as dangerous goods according to the classification criteria of NOHSC: 1008 (2004) and ADG Code (Australia).

**WARNING!** CAUSE MILD SKIN IRRITATION. CAUSES EYE IRRITATION.

**Classification:** Skin Irrit. 3; Eye Irrit. 2B

**Hazard Statements (H):**
- H316 – Causes mild skin irritation.
- H320 – Causes eye irritation.

**Precautionary Statements (P):**
- P264 – Wash thoroughly after handling.
- P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332+P313 – If skin irritation or rash occurs: Get medical advice / attention.

# 3. COMPOSITION & INGREDIENT INFORMATION

<table>
<thead>
<tr>
<th>CHEMICAL NAME(S)</th>
<th>CAS No.</th>
<th>RTECS No.</th>
<th>EINECS No.</th>
<th>%</th>
<th>ACGIH</th>
<th>NOHSC</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>WATER (AQUA/EAU)</td>
<td>7732-18-5</td>
<td>ZC0110000</td>
<td>231-191-2</td>
<td>50-90</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>PROPYLENE GLYCOL</td>
<td>57-55-6</td>
<td>TY200000</td>
<td>200-338-0</td>
<td>1.0-5.0</td>
<td>NA</td>
<td>NA</td>
<td>474</td>
</tr>
<tr>
<td>POLYQUATERNIUM-37</td>
<td>26161-33-1</td>
<td>KQ630000</td>
<td>NA</td>
<td>1.0-5.0</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
</tr>
<tr>
<td>ISOPROPYL PALMITATE</td>
<td>142-91-6</td>
<td>RT4900000</td>
<td>205-571-1</td>
<td>1.0-5.0</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
</tr>
<tr>
<td>PROPYLENE GLYCOL DICAPRYLATE/DICAPRATE</td>
<td>88583-51-7</td>
<td>ZC0110000</td>
<td>271-518-3</td>
<td>1.0-5.0</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
</tr>
<tr>
<td>BIS-PEG-18 METHYL ETHER DIMETHYLSILANE</td>
<td>67846-47-3</td>
<td>NA</td>
<td>NA</td>
<td>1.0-5.0</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
</tr>
<tr>
<td>FRAGRANCE (PARFUM)</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>1.0-5.0</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
</tr>
<tr>
<td>SALICYLIC ACID</td>
<td>69-72-7</td>
<td>NA</td>
<td>200-712-3</td>
<td>0.1-1.0</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
</tr>
<tr>
<td>PPG-1 TRIDECETH-6</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>0.1-1.0</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
</tr>
<tr>
<td>PHENOXYETHANOL</td>
<td>122-99-6</td>
<td>KM0350000</td>
<td>204-589-7</td>
<td>0.1-1.0</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
</tr>
<tr>
<td>CAPRYL GLYCOL</td>
<td>1117-86-8</td>
<td>NA</td>
<td>214-254-7</td>
<td>0.1-1.0</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
</tr>
<tr>
<td>SALIX ALBA (WILLOW) BARK EXTRACT</td>
<td>84082-82-6</td>
<td>NA</td>
<td>262-029-0</td>
<td>0.1-1.0</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
</tr>
<tr>
<td>THEOBROMA GRANDIFLORUM SEED BUTTER</td>
<td>394236-97-6</td>
<td>NA</td>
<td>NA</td>
<td>0.1-1.0</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
</tr>
<tr>
<td>POTASSIUM SORBATE</td>
<td>590-00-1</td>
<td>NA</td>
<td>248-376-1</td>
<td>0.0-0.1</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
</tr>
<tr>
<td>TOCOPHEROL</td>
<td>54-28-4</td>
<td>NA</td>
<td>200-201-5</td>
<td>0.0-0.1</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
</tr>
<tr>
<td>HEXYLENE GLYCOL</td>
<td>107-41-5</td>
<td>SA0810000</td>
<td>203-489-0</td>
<td>0.0-0.1</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
</tr>
<tr>
<td>PERSEA GRATISSIMA (AVOCADO) OIL</td>
<td>8024-32-6</td>
<td>CL2680000</td>
<td>232-428-0</td>
<td>0.1-1.0</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
</tr>
<tr>
<td>ETHYLHEXYL PALMITATE</td>
<td>29806-73-3</td>
<td>RT4740000</td>
<td>249-862-1</td>
<td>0.1-1.0</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
</tr>
</tbody>
</table>
3. COMPOSITION & INGREDIENT INFORMATION – cont’d

<table>
<thead>
<tr>
<th>CHEMICAL NAME(S)</th>
<th>CAS No.</th>
<th>RTECS No.</th>
<th>EINECS No.</th>
<th>%</th>
<th>TLV ppm</th>
<th>STEL ppm</th>
<th>ES-TWA ppm</th>
<th>ES-STEL ppm</th>
<th>ES-PEAK ppm</th>
<th>PEL ppm</th>
<th>STEL ppm</th>
<th>IDLH ppm</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLYCINE SOJA (SOYBEAN) OIL</td>
<td>8001-22-7</td>
<td>WG4820000</td>
<td>232-274-4</td>
<td>0.0-0.1</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
<td>NF</td>
<td>NF</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>LECITHIN</td>
<td>8002-43-5</td>
<td>OG7565000</td>
<td>232-307-2</td>
<td>0.0-0.1</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
<td>NF</td>
<td>NF</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>CAPRYLIC/CAPRIC TRIGLYCERIDE</td>
<td>85381-09-1</td>
<td>NA</td>
<td>265-724-3</td>
<td>0.0-0.1</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
<td>NF</td>
<td>NF</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>LACTIC ACID</td>
<td>79-33-4</td>
<td>NA</td>
<td>201-196-2</td>
<td>0.0-0.1</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
<td>NF</td>
<td>NF</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>CAMELLIA SINENSIS LEAF EXTRACT</td>
<td>84650-60-2</td>
<td>NA</td>
<td>283-935-9</td>
<td>0.0-0.1</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
<td>NF</td>
<td>NF</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>ALCOHOL</td>
<td>64-17-5</td>
<td>KQ6300000</td>
<td>200-578-6</td>
<td>0.0-0.1</td>
<td>1000</td>
<td>3000</td>
<td>1000</td>
<td>1880</td>
<td>NF</td>
<td>100</td>
<td>3000</td>
<td>3300</td>
<td></td>
</tr>
<tr>
<td>OLEIC ACID</td>
<td>112-80-1</td>
<td>RG2275000</td>
<td>204-007-1</td>
<td>0.0-0.1</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
<td>NF</td>
<td>NF</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>GLYCERYL STEARATE</td>
<td>11099-07-3</td>
<td>NA</td>
<td>234-325-6</td>
<td>0.0-0.1</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
<td>NF</td>
<td>NF</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>CHAMOMILLA RECUTITA (MATRICARIA) LEAF EXTRACT</td>
<td>84082-60-0</td>
<td>NA</td>
<td>262-006-5</td>
<td>0.0-0.1</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
<td>NF</td>
<td>NF</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>SALVIA OFFICINALIS (SAGE) LEAF EXTRACT</td>
<td>84082-79-1</td>
<td>NA</td>
<td>262-025-9</td>
<td>0.0-0.1</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
<td>NF</td>
<td>NF</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>CITRIC ACID</td>
<td>77-92-9</td>
<td>GE7350000</td>
<td>201-089-1</td>
<td>0.0-0.1</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
<td>NF</td>
<td>NF</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>MALIC ACID</td>
<td>97-67-6</td>
<td>NA</td>
<td>2020-601-5</td>
<td>0.0-0.1</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
<td>NF</td>
<td>NF</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>ASCORBYL PALMITATE</td>
<td>137-66-6</td>
<td>NA</td>
<td>205-305-4</td>
<td>0.0-0.1</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
<td>NF</td>
<td>NF</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

4.1 First Aid:

**Ingestion:** If ingested, do not induce vomiting. Drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer plenty of water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time and amount of the substance that was swallowed.

**Eyes:** If product is in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. If problem persists, consult a physician.

**Skin:** If redness, dryness or other signs of irritation to the skin develop, wash affected skin areas with plenty of warm water and soap. If irritation persists, consult a physician.

**Inhalation:** Remove victim to fresh air at once.

4.2 Effects of Exposure:

**Ingestion:** If product is swallowed, may cause nausea, vomiting and/or diarrhea.

**Eyes:** Slightly irritating to the eyes.

**Skin:** May be irritating to skin in some sensitive individuals, especially after prolonged contact.

**Inhalation:** Inhalation is unlikely; however, vapors of this product may be slightly irritating to some sensitive individuals.

4.3 Symptoms of Overexposure: Symptoms of overexposure may include redness, itching, and irritation.

4.4 Acute Health Effects: Redness, itching, and irritation of skin at the site of contact for some sensitive individuals.

4.5 Chronic Health Effects: No chronic health effects are known, although symptoms and discomfort may occur for several days following overexposure following ingestion. Components in the fragrance, contained in very small quantities in this product, may be mild allergens to some sensitive individuals.

4.6 Target Organs: Eyes, Skin

4.7 Medical Conditions Aggravated by Exposure: None known

**HEALTH**

1

**FLAMMABILITY**

0

**PHYSICAL HAZARDS**

0

**PROTECTIVE EQUIPMENT**

A

**EYES**
5. FIREFIGHTING MEASURES

5.1 Fire & Explosion Hazards: This product is non-flammable. When exposed to high temperatures, may produce hazardous decomposition products such as oxides of carbon (e.g., CO, CO₂) and nitrogen (e.g., NOₓ) and smoke.

5.2 Extinguishing Methods: Water, Foam, CO₂, Dry Chemical

5.3 Firefighting Procedures: First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH-approved self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before returning to service.

6. ACCIDENTAL RELEASE MEASURES

6.1 Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment.
For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves). Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse.
For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

7. HANDLING & STORAGE INFORMATION

7.1 Work & Hygiene Practices: Avoid eye contact.

7.2 Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use.

7.3 Special Precautions: Spilled material may present a slipping hazard if left unattended. Clean all spills promptly.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 Exposure Limits:

<table>
<thead>
<tr>
<th>CHEMICAL NAME(S)</th>
<th>ACGIH</th>
<th>NOHSC</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROPYLENE GLYCOL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HEXITENE GLYCOL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALCOHOL</td>
<td>1000</td>
<td>3000</td>
<td></td>
</tr>
</tbody>
</table>

8.2 Ventilation & Engineering Controls: When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans). Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.

8.3 Respiratory Protection: None required if used in a well-ventilated area.

8.4 Eye Protection: Avoid eye contact. Protective eyewear (e.g., safety glasses with side-shield) is recommended at all times when handling this product. Always use protective eyewear when cleaning spills or leaks.

8.5 Hand Protection: None required under normal conditions of use.

8.6 Body Protection: None required under normal conditions of use.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Appearance: Light cream

9.2 Odor: Mild odor

9.3 Odor Threshold: NA

9.4 pH: NA

9.5 Melting Point/Freezing Point: NA

9.6 Initial Boiling Point/Boiling Range: NA

9.7 Flashpoint: Non-flammable

9.8 Upper/Lower Flammability Limits: NA

9.9 Vapor Pressure: NA

9.10 Vapor Density: NA

9.11 Relative Density: NA

9.12 Solubility: Soluble in water

9.13 Partition Coefficient (log P sub:): NA

9.14 Autoignition Temperature: NA

9.15 Decomposition Temperature: NA

9.16 Viscosity: NA

9.17 Other Information: NA
10. STABILITY & REACTIVITY

10.1 Stability: This product is stable.
10.2 Hazardous Decomposition Products: Oxides of carbon and nitrogen.
10.3 Hazardous Polymerization: Will not occur.
10.4 Conditions to Avoid: Open flames, sparks, high heat and direct sunlight.
10.5 Incompatible Substances: None known.

11. TOXICOLOGICAL INFORMATION

11.1 Routes of Entry:
- Inhalation: NO
- Absorption: YES
- Ingestion: YES

11.2 Toxicity Data: The product has not been tested for specific toxicity data.
11.3 Acute Toxicity: See Section 4.4
11.4 Chronic Toxicity: See Section 4.5
11.5 Suspected Carcinogen: No
11.6 Reproductive Toxicity: This product is not reported to produce reproductive toxicity in humans.
- Mutagenicity: This product is not reported to produce mutagenic effects in humans.
- Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
- Teratogenicity: This product is not reported to produce teratogenic effects in humans.
- Reproductive Toxicity: This product is not reported to produce reproductive effects in humans.
11.7 Irritancy of Product: See Section 4.3
11.8 Biological Exposure Indices: NE
11.9 Physician Recommendations: Treat symptomatically.

12. ECOLOGICAL INFORMATION

12.1 Environmental Stability: There are no specific data available for this product.
12.2 Effects on Plants & Animals: There are no specific data available for this product.
12.3 Effects on Aquatic Life: There are no specific data available for this product.

13. DISPOSAL CONSIDERATIONS

13.2 Special Considerations: NA

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.

14.1 49 CFR (GND): NOT REGULATED
14.2 IATA (AIR): NOT REGULATED
14.3 IMDG (OCN): NOT REGULATED
14.4 TDGR (Canadian GND): NOT REGULATED
14.5 ADR/RID (EU): NOT REGULATED
14.6 SCT (MEXICO): NOT REGULATED
14.7 ADGR (AUS): NOT REGULATED

15. REGULATORY INFORMATION

15.1 SARA Reporting Requirements: This product does not contain any substances subject to SARA Title III, Section 313 reporting requirements.
15.2 SARA Threshold Planning Quantity: There are no specific Threshold Planning Quantities for the components of this product.
15.3 TSCA Inventory Status: The components of this product are listed on the TSCA Inventory.
15.4 CERCLA Reportable Quantity (RQ): NA
15.5 Other Federal Requirements: This product complies with the appropriate sections of the Food and Drug Administration’s 21 CFR subchapter G (Cosmetics).
15.6 Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. WHMIS D2B (Other Toxic Effects).
15.7 State Regulatory Information: None of the ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).
15.8 Other Requirements: NA
16. OTHER INFORMATION

16.1 Other Information:

WARNING! HARMFUL IF SWALLOWED. CAUSE MILD SKIN IRRITATION. CAUSES EYE IRRITATION. Use only as directed. Discontinue use if irritation develops. Wash thoroughly after handling. Do not eat drink or smoke when using this product. IF SWALLOWED: Call a POISON CENTER/doctor, if you feel unwell. Rinse Mouth. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice / attention. KEEP OUT OF REACH OF CHILDREN.

16.2 Terms & Definitions:

See last page of this Safety Data Sheet.

16.3 Disclaimer:

This Safety Data Sheet is offered pursuant to OSHA’s Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate’s & OPI’s knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.

16.4 Prepared for:

OPI Products, Inc.
13034 Saticoy Street
No. Hollywood, CA 91605 USA
Tel: +1 (818) 759-2400
Fax: +1 (818) 759-5776
http://www opi.com

16.5 Prepared by:

ShipMate, Inc.
P.O. Box 797
Sisters, Oregon 97759-0787 USA
Tel: +1 (310) 370-3600
Fax: +1 (310) 370-5700
http://www.shipmate.com
DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

- **CAS No.** Chemical Abstract Service Number

EXPOSURE LIMITS IN AIR:

- ACGIH American Conference on Governmental Industrial Hygienists
- TLV Threshold Limit Value
- OSHA U.S. Occupational Safety and Health Administration
- PEL Permissible Exposure Limit
- IDLH Immediately Dangerous to Life and Health

FIRST AID MEASURES:

- CPR Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

- HEALTH
- FLAMMABILITY
- PHYSICAL HAZARDS
- PERSONAL PROTECTION

HAZARD RATINGS:

<table>
<thead>
<tr>
<th>Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Minimal Hazard</td>
</tr>
<tr>
<td>1</td>
<td>Slight Hazard</td>
</tr>
<tr>
<td>2</td>
<td>Moderate Hazard</td>
</tr>
<tr>
<td>3</td>
<td>Severe Hazard</td>
</tr>
<tr>
<td>4</td>
<td>Extreme Hazard</td>
</tr>
</tbody>
</table>

PERSONAL PROTECTION RATINGS:

- **A** Safety Glasses
- **B** Splash Goggles
- **C** Face Shield & Protective Eyewear
- **D** Protective Clothing & Full Suit
- **E** Dust & Vapor Half-Mask Respirator
- **F** Full Face Respirator
- **G** Gloves
- **H** Airline Hood/Mask or SCBA
- **I** Dust Respirator
- **J** Protective Eyewear
- **K** Synthetic Apron
- **L** Safety Sunglasses
- **M** Elastic Bandage
- **N** Wound Dressing
- **O** Tourniquet
- **P** Adhesive Strip
- **Q** Eye Pupil Dilator
- **R** Adhesive Bandage
- **S** Elastoplast
- **T** Antiseptic Swab
- **U** Tongue Forceps
- **V** Eye Forceps
- **W** Airway Tongue Forceps
- **X** Consult your supervisor or SOPs for special handling directions.

OTHER STANDARD ABBREVIATIONS:

- **NA** Not Available
- **NR** No Results
- **NE** Not Established
- **ND** Not Determined
- **ML** Maximum Limit
- **SCBA** Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

- **FLAMMABILITY LIMITS IN AIR:**
  - Autodignition Temperature: Minimum temperature required to initiate combustion in air with no other source of ignition
  - LEL: Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
  - UEL: Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

- WHMIS Canadian Workplace Hazardous Material Information System
- DOT U.S. Department of Transportation
- TC Transport Canada
- EPA U.S. Environmental Protection Agency
- DSL Canadian Domestic Substance List
- NDSSL Canadian Non-Domestic Substance List
- PSL Canadian Priority Substances List
- TSCA U.S. Toxic Substance Control Act
- WSG Wassergefährdungsklassen (German Water Hazard Class)

EC (67/548/EEC) INFORMATION:

- **C** Corrosive
- **E** Explosive
- **F** Flammable
- **N** Harmful
- **O** Oxidizing
- **T** Toxic
- **X** Irritant
- **Xi** Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:

- GHS01
- GHS02
- GHS03
- GHS04
- GHS05
- GHS06
- GHS07
- GHS08
- GHS09

- Explosive
- Flammable
- Oxidising
- Pressurised
- Corrosive
- Toxic
- Harmful
- Irritating
- Health Hazard
- Environment