1. PRODUCT & COMPANY IDENTIFICATION

1.1 Product Name: PAUL MITCHELL® WIPE OUT

1.2 Chemical Name: NA

1.3 Synonyms: JPMS® Wipe Out

1.4 Trade Names: John Paul Mitchell Systems® Wipe Out

1.5 Product Use: Professional Cosmetic

1.6 Distributor’s Name: T.U.K. Industries, Inc.

1.7 Distributor’s Address: 5702 Firestone Place, South Gate, CA 90280

1.8 Emergency Phone: CHEMTEL: +1 (800) 255-3924 / +01-813-248-0585

1.9 Business Phone / Fax: +1 (562) 927-3365 / +1 (562) 928-8154

2. HAZARDS IDENTIFICATION

2.1 Hazard Identification: This product is classified as a HAZARDOUS SUBSTANCE but NOT as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia).

2.2 Label Elements:

   Hazard Statements (H): H319 – Causes serious eye irritation.


   If a severe allergic reaction should occur, immediately seek medical attention. This product must not be used for dyeing the eyelashes or eyebrows; to do so may cause blindness.

   KEEP OUT OF REACH OF CHILDREN.

   NOTICE: This product is designed and intended for use by a licensed cosmetologist/professional hairdresser only, and carries no warranty, expressed or implied, if used by others. CAN CAUSE AN ALLERGIC REACTION. Preliminary patch testing is recommended. Tattoos, including black and temporary henna, may increase the risk of allergy, if not properly protected. Eye irritation persists: 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 ppm</th>
<th>NOHSC TWA ppm</th>
<th>OSHA STEL ppm</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>AQUA (WATER/EAU)</td>
<td>7732-18-5</td>
<td>ZC0110000</td>
<td>231-791-2</td>
<td>60-100</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>HEXYLENE GLYCOL</td>
<td>107-41-5</td>
<td>SA0810000</td>
<td>203-489-0</td>
<td>1-5</td>
<td>NA</td>
<td>25</td>
<td>121</td>
<td>25</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>DIPROPYLENE GLYCOL</td>
<td>110-98-6</td>
<td>NA</td>
<td>203-821-4</td>
<td>1-5</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>ETHANOL (SD ALCOHOL 40B)</td>
<td>64-17-5</td>
<td>KQ6300000</td>
<td>200-578-6</td>
<td>0.1-3</td>
<td>1000</td>
<td>3000</td>
<td>1000</td>
<td>1800</td>
<td>1000</td>
<td>1000</td>
<td>1900</td>
<td>3300</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>PEG-40 HYDROGENATED CASTOR OIL</td>
<td>8001-78-3</td>
<td>NA</td>
<td>232-292-2</td>
<td>0.1-3</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>JPMS PROPRIETARY BLEND</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>0-3</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>CAPRYL/CAPRYL GLUCOSIDE</td>
<td>68515-73-1</td>
<td>NA</td>
<td>500-220-1</td>
<td>0.1-1</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>FRAGRANCE (PARFUM)</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>0-1</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>AMYL CINNAMAL</td>
<td>122-40-7</td>
<td>GD0850000</td>
<td>204-541-5</td>
<td>0-0.1</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>ALLERGEN</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. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer 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 at which the material was ingested and the amount of the substance that was swallowed.

   Eyes: Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. If irritation occurs, contact a physician.

   Skin: If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately.

   Inhalation: Remove victim to fresh air at once.
4. FIRST AID MEASURES – cont’d

4.2 Effects of Exposure:
- Ingestion: If product is swallowed, may cause nausea, vomiting and/or diarrhea.
- Eyes: Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering.
- Skin: May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals.
- Inhalation: None expected.

4.3 Symptoms of Overexposure: Overexposure in eyes may cause redness, itching and watering. Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals.

4.4 Acute Health Effects: Moderate irritation to eyes. Symptoms of overexposure may include redness, itching, stinging, irritation and watering. Moderate irritation to skin near affected areas.

4.5 Chronic Health Effects: No harmful or chronic health effects are expected to occur from a single accidental ingestion.

4.6 Target Organs: Eyes, Skin, Respiratory System

4.7 Medical Conditions Aggravated by Exposure: Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system).

5. FIREFIGHTING MEASURES

5.1 Fire & Explosion Hazards: This product is not flammable.

5.2 Extinguishing Methods: CO₂, Halon (if permitted), Dry Chemical, Foam, as authorized.

5.3 Firefighting Procedures: As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.

6. ACCIDENTAL RELEASE MEASURES

6.1 Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment (PPE). Keep incompatible materials (e.g., organics such as oil) away from spill.

For **small spills** (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows). 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: Do not eat, drink, or smoke while handling this product. Wash thoroughly after handling. Avoid contact with flammable or combustible materials. Avoid contamination from any source, including metals, dust and organic materials. Keep bulk covered. Wash unintentional residues with soap and warm water.

7.2 Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessive heat and open flames. Avoid temperatures above 120 °F. Keep away from incompatible substances. Protect containers from physical damage.

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: (ppm (mg/m³))

<table>
<thead>
<tr>
<th>CHEMICAL NAME(S)</th>
<th>ACGIH</th>
<th>NIOSH</th>
<th>OSHA</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TLV</td>
<td>STEL</td>
<td>ESSTEL</td>
<td>ESPEAK</td>
</tr>
<tr>
<td>HEXYLENE GLYCOL</td>
<td>NA</td>
<td>25</td>
<td>25</td>
<td>121</td>
</tr>
<tr>
<td>ETHANOL</td>
<td>1000</td>
<td>3000</td>
<td>1000</td>
<td>1800</td>
</tr>
<tr>
<td>AMMONIUM HYDROXIDE</td>
<td>25</td>
<td>35</td>
<td>25</td>
<td>50</td>
</tr>
<tr>
<td>AMYL CINNAMAL</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
<td>NF</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. EXPOSURE CONTROLS & PERSONAL PROTECTION – cont’d

8.3 Respiratory Protection: No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA’s requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.

8.4 Eye Protection: **AVOID EYE CONTACT DUE TO IRRITATION POTENTIAL.** Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling large quantities (e.g., ≥ 1 gallon (3.8 L)) of this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.

8.5 Hand Protection: **AVOID SKIN CONTACT.** If anticipated that prolonged & repeated skin contact will occur during use of this product, wear latex or rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states.

8.6 Body Protection: No special body protection is required under typical circumstances of use and handling. If necessary, refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA.

### 9. PHYSICAL & CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>NA</td>
</tr>
<tr>
<td>pH</td>
<td>NA</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>NA</td>
</tr>
<tr>
<td>Initial Boiling Point/Boiling Range</td>
<td>NA</td>
</tr>
<tr>
<td>Flashpoint</td>
<td>NA</td>
</tr>
<tr>
<td>Upper/Lower Flammability Limits</td>
<td>NA</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>NA</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>NA</td>
</tr>
<tr>
<td>Relative Density</td>
<td>NA</td>
</tr>
<tr>
<td>Solubility</td>
<td>Partial to complete</td>
</tr>
<tr>
<td>Partition Coefficient (log P0,w)</td>
<td>NA</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>NA</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>NA</td>
</tr>
<tr>
<td>Viscosity</td>
<td>NA</td>
</tr>
<tr>
<td>Other Information</td>
<td>NA</td>
</tr>
</tbody>
</table>

### 10. STABILITY & REACTIVITY

10.1 Stability: This product is stable.

10.2 Hazardous Decomposition Products: Oxides of carbon (CO, CO₂) and sulfur (SO₂). Liberation of gas my result in dangerous pressure.

10.3 Hazardous Polymerization: Will not occur.

10.4 Conditions to Avoid: Open flames, sparks and high heat, direct sunlight.

10.5 Incompatible Substances: Store away from flammable liquids, flammable solids, aerosols and other incompatible materials (e.g., reducing materials, combustible materials, metal contamination like iron, copper their alloys). Avoid contamination. Do not store any tint, lightener lotion or bleach powder after it has been mixed with developer; the container may rupture. Never return unused material to original container. Avoid extreme heat and ignition sources.

### 11. TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Route of Entry</th>
<th>Inhalation</th>
<th>Absorption</th>
<th>Ingestion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity Data:</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>Acute Toxicity:</td>
<td>See section 4.4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chronic Toxicity:</td>
<td>See section 4.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Suspected Carcinogen:</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reproductive Toxicity:</td>
<td>This product is not reported to produce reproductive toxicity in humans.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mutagenicity:</td>
<td>This product is not reported to produce mutagenic effects in humans.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Embryotoxicity:</td>
<td>This product is not reported to produce embryotoxic effects in humans.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teratogenicity:</td>
<td>This product is not reported to cause teratogenic effects in humans.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reproductive Toxicity:</td>
<td>This product is not reported to cause reproductive effects in humans.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Irritancy of Product:</td>
<td>See Section 4.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biological Exposure Indices:</td>
<td>NE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physician Recommendations:</td>
<td>Treat symptomatically.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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:  The product itself has not been tested as a whole. There are no specific data available for this product.

13. DISPOSAL CONSIDERATIONS

13.1 Waste Disposal:  Dispose of in accordance with federal, state and local regulations.

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 (OON):   | 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: Ammonium Hydroxide (as ammonia) is subject to the reporting requirements of SARA Title III, Sections 312/313.

15.2 SARA TPQ: This product is not subject to the reporting requirements of SARA Title III, Section 302.

15.3 TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt.

15.4 CERCLA Reportable Quantity: Ammonium Hydroxide (Ammonia): 454 kg (1,000 lbs).

15.5 Other Federal Requirements: This product complies with the appropriate sections of the Food and Drug Administration’s 21 CFR subchapter G (Cosmetics). This material does not contain any Hazardous Air Pollutants. None of the components in this product are listed as Priority Pollutants under the CWA. None of the components in this product are listed as Toxic Pollutants under the CWA.

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

15.7 State Regulatory Information: Ethanol is found on the following state criteria list: Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), Pennsylvania Right-to-Know List (PA), California Proposition 65 ((CA65) ethanol in alcoholic beverages) and Washington Permissible Exposures List (WA).

Ammonium Hydroxide is found on the following state criteria lists: IL, MA, NJ, PA and RI.

Hexylene Glycol is found on the following state criteria list: FL, MA, MN, PA and WA.

No other 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: This product is found on the following inventory lists: Australia - AICS, China – IECSC, Europe – ELINCS/EINEC, Japan – ENCS, Korea – KECl, New Zealand – NZIoC; (Philippines – PICCS; USA – TSCA
16. OTHER INFORMATION

16.1 Other Information:
WARNING! CAUSES EYE IRRITATION. For external use only. Use only as directed. Discontinue use immediately if irritation develops Keep away from children. Keep container tightly closed in a cool place. When using do not eat or drink. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If case of accident or if you feel unwell seek medical advice immediately (show the label where possible). KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.

NOTICE: This product is designed and intended for use by a licensed cosmetologist/professional hairdresser only, and carries no warranty, expressed or implied, if used by others. CAN CAUSE AN ALLERGIC REACTION Preliminary patch testing is recommended. Tattoos, including black and temporary henna, may increase the risk of allergy, if a severe allergic reaction should occur, immediately seek medical attention. This product must not be used for dyeing the eyelashes or eyebrows; to do so may cause blindness.

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 & TU-K Industries, Inc.’s (2K Industries) 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:
TU-K Industries, Inc. (2K)
5702 Firestone Place
South Gate, CA 90280 USA
Tel: +1 (562) 927-3365
Fax: +1 (562) 928-8154
http://www.2kindustries.com

16.5 Prepared by:
ShipMate, Inc.
P.O. Box 787
Sisters, Oregon 97759-0787 USA
Tel: +1 (310) 370-3600
Fax: +1 (310) 370-5700
http://www.shipmate.com
SAFETY DATA SHEET

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
RTECS No. Registry of Toxic Effects of Chemical Substances Number
EINECS No. European Inventory of Existing Commercial Chemical Substances Number

EXPOSURE LIMITS IN AIR:

ACGIH American Conference on Governmental Industrial Hygienists
IDLH Immediately Dangerous to Life and Health
NOHSC National Occupational Health and Safety Commission (Australia)
OSHA U.S. Occupational Safety and Health Administration
PEL Permissible Exposure Limit
STEL Short Term Exposure Limit
TLV Threshold Limit Value
TWA Time Weighted Average

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 & REACTIVITY RATINGS:

0 Minimal Hazard
1 Slight Hazard
2 Moderate Hazard
3 Severe Hazard
4 Extreme Hazard

PERSONAL PROTECTION RATINGS:

A Safety Glasses
B Splash Goggles
C Face Shield & Protective Eyewear
D Gloves
E Dust Respirator
F Full Face Respirator
G Protective Apron
H Protective Clothing & Full Suit
I Airline Hood/Mask or SCBA
J Dust & Vapor Half-Mask Respirator
K Full Face Respirator
L Slim Cartridges
M Self-Contained Breathing Apparatus
N Ventilation
O SCBA
P Eye Protection
Q Respiratory Protection
R Confined Space
S Post-Exposure
T Personal Protective Equipment
U General Protection
V Other Protective Equipment
W Personal Protective Clothing
X Consult your supervisor or SOPs for special handling directions.

OTHER STANDARD ABBREVIATIONS:

Carc Carcinogenic
Irrit Irritant
NA Not Available
NR No Results
ND Not Determined
NE Not Established
NF Not Found
SCBA Self-Contained Breathing Apparatus
Sens Sensitization
STOT RE Specific Target Organ Toxicity – Repeat Exposure
STOT SE Specific Target Organ Toxicity – Single Exposure

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition 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

HAZARD RATINGS:

Class A Class B Class C Class D1 Class D2 Class D3 Class E Class F

1 Flammable
2 Harmful
3 Toxic
4 Corrosive
5 Reactive
6 Environmental

GHS01 GHS02 GHS03 GHS04 GHS05 GHS06 GHS07 GHS08 GHS09

Pressurized Flammable Oxidizing Explosive Corrosive Toxic Health Hazard Environment

REGULATORY INFORMATION:

WHIMIS 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
NDSL Canadian Non-Domestic Substance List
PSL Canadian Priority Substances List
TSCA U.S. Toxic Substance Control Act
WGK Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A Class B Class C Class D1 Class D2 Class D3 Class E Class F

Compressed Flammable Oxidizing Toxic Irritation Infectious Corrosive Reactive

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

GHS01 GHS02 GHS03 GHS04 GHS05 GHS06 GHS07 GHS08 GHS09

Explosive Flammable Oxidizer Pressurized Corrosive Toxic Harmful Irritating Health Hazard Environment