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| U |)·P·I | MAI | ERIAL S | AFET | Y DATA S | HEET | M | SDS-225 |
|-----|---|--|------------------------|---------------|------------------------|----------------|-------------------|-----------------|
| rep | ared to OSHA, ACC | , ansi, nohsc, whm | IS & 2001/58 EC Sto | indards I | MSDS Revision: 1.1 | MSDS | Revision Date: 1 | 2/31/2009 |
| | | | | | | | | |
| | | | 1. PRODU | CT IDEN | TIFICATION | | | |
| .1 | Product Name: | | | | | | | |
| | AVOJUICE S | KIN QUENCHER | RS – GINGER | LILY JUIC | CIE | | | |
| 2 | Chemical Name: AQUEOUS LOTION | | | | | | | |
| 3 | Synonyms: | 20.40 | | | | | | |
| 4 | AV841, AV846, AV Trade Names: | 848 | | | | | | |
| 4 | AVOJUICE Ginger | Lily Juicie | | | | | | |
| 5 | Product Use: | | | | | | | |
| | | SUNDRY USE ONLY | | | | | | |
| 6 | Distributor's Name: OPI PRODUCTS, IN | c | | | | | | |
| 7 | Distributor's Address: | | | | | | | |
| | | REET, NO. HOLLYWOOI | D, CA 91605 USA | | | | | |
| 8 | Emergency Phone: | | | | | | | |
| | CHEMTREC: +1 | (703) 527-3887 / | +1 (800) 424-93 | 300 | | | | |
| , | Business Phone: | | | | | | | |
| | +1 (818) 759-2400 | / +1 (800) 341-9999 | | | | | | |
| | | | | | | | | |
| | | | <u> 2. HAZAR</u> | D IDENT | IFICATION | | | |
| 1 | Hazard Identification: | | | | | | | |
| | | classified as a HAZAR DG Code (Australia). | RDOUS SUBSTANCE | or as DANG | EROUS GOODS acco | rding to the | classification cr | iteria of NOHSC |
| 2 | Routes of Entry: | | Inhalation: | NO | Absorption: | YES | Ingestion: | YES |
| 3 | Effects of Exposure: | | | | | | | |
| | | f product is swallowed | | ea, vomiting | and/or diarrhea. | | | |
| | | ilightly irritating to the | • | | | | | |
| | | May be irritating to ski | | | | | | du ele |
| 4 | Symptoms of Overexpos | nhalation is unlikely; h | lowever, vapors or | mis produc | r may be slignly inno | ling to some | sensitive individ | JUCIS. |
| , | , , , , | Symptoms of overexpo | osure may include | redness, itc | hina, and irritation. | | | |
| 5 | Acute Health Effects: | <u>, </u> | ····· | | | | | |
| | SKIN: F | Redness, itching, and i | rritation of skin at t | he site of co | entact for some sensit | ive individuc | als. | |
| 5 | Chronic Health Effects: | | | | | | | |
| | | effects are known, al paraben contained in | | | | | | |
| | ingesiion. Meinyi | paraben comainea in | very small quantili | es in mis pro | bauci, may be mila c | illergens io s | ome sensitive m | |
| 7 | Target Organs: | | | | | | | |
| , | Target Organs: Eyes, Skin | | | | | | | |
| 7 | Target Organs: Eyes, Skin | | | | | | | |
| A = | Eyes, Skin Not Available; ND = N | ot Determined; NE = Not formation is included. It | | | | | | rms Used |

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MATERIAL SAFETY DATA SHEET

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| | 3. CO | MPOSITIO | N & INGR | EDIEN | IT IN | FOR | MAT | ION | | | | | |
|---|------------|------------|------------|--------|-------|------|------|------------|------|---------|--------|------|----------|
| | | | | | | - | | | | 5 IN AI | R (mg/ | /m³) | |
| | | | | | AC | GIH | I | NOHSC | 2 | | OSHA | | |
| | | | | | pp | m | ES- | ppm ES- | ES- | | ppm | | OTHER |
| CHEMICAL NAME(S) | CAS No. | RTECS No. | EINECS No. | % | TLV | STEL | TWA | STEL | PEAK | PEL | STEL | IDLH | |
| WATER | 7732-18-5 | ZC0110000 | 231-791-2 | ≤ 86.0 | NE | NE | NF | NF | NF | NE | NE | NE | |
| PROPYLENE GLYCOL | 57-55-6 | TY2000000 | 200-338-0 | ≤ 5.0 | NA | NA | NF | NF | NF | NA | NA | NA | |
| DIMETHICONE | 9006-65-9 | NA | NA | ≤ 5.0 | NA | NA | NF | NF | NF | NA | NA | NA | |
| BEHENTRIMONIUM METHOSULFATE | 81646-13-1 | NA | 279-791-1 | ≤ 2.0 | NA | NA | NF | NF | NF | NA | NA | NA | |
| CETEARYL ALCOHOL | 67762-27-0 | NA | 267-008-6 | ≤ 2.0 | NE | NE | NF | NF | NF | NE | NE | NE | |
| PARFUM/FRAGRANCE | NA | NA | NA | < 1.0 | NA | NA | NF | NF | NF | NA | NA | NA | |
| ETHYLHEXYL METHOXYCINNAMATE | 5466-77-3 | NA | 226-775-7 | < 1.0 | NA | NA | NF | NF | NF | NA | NA | NA | |
| ISOPROPYLPARABEN | 4191-73-5 | DH225000 | 224-069-3 | < 1.0 | NA | NA | NF | NF | NF | NA | NA | NA | |
| BUTYLPARABEN | 94-26-8 | DH1980000 | 202-318-7 | < 1.0 | NA | NA | NF | NF | NF | NA | NA | NA | |
| ISOBUTYLPARABEN | 4247-02-3 | DH2247000 | 224-208-8 | < 1.0 | NA | NA | NF | NF | NF | NA | NA | NA | |
| HYDROXYISOHEXYL 3- CYCLOHEXENE CARBOXALDEHYDE | 31906-04-4 | NA | 250-863-4 | < 0.5 | NA | NA | NF | NF | NF | NA | NA | NA | ALLERGEN |
| POLYQUATERNIUM-37 | 26161-33-1 | KQ630000 | NA | < 0.5 | NA | NA | NF | NF | NF | NA | NA | NA | |
| ALLANTOIN | 97-59-6 | YT1600000 | 202-592-8 | < 0.5 | NA | NA | NF | NF | NF | NA | NA | NA | |
| LIMONENE | 5989-57-5 | GW636000 | 227-813-5 | < 0.5 | NA | NA | NF | NF | NF | NA | NA | NA | ALLERGEN |
| PROPYLENE GLYCOL DICAPRYLATE/DICAPRATE | 68583-51-7 | NA | 271-516-3 | < 0.1 | NA | NA | NF | NF | NF | NA | NA | NA | |
| BUTYLPHENYL METHYLPROPIONAL | 80-54-6 | MW4895000 | 201-289-8 | < 0.1 | NA | NA | NF | NF | NF | NA | NA | NA | ALLERGEN |
| BENZOPHENONE-4 | 4065-45-6 | DB50443000 | 223-772-2 | < 0.1 | NA | NA | NF | NF | NF | NA | NA | NA | |
| BENZYL SALICYLATE | 118-58-1 | VO1750000 | 204-262-9 | < 0.1 | NA | NA | NF | NF | NF | NA | NA | NA | ALLERGEN |
| HEXYL CINNAMAL | 101-86-0 | GD650000 | 202-983-3 | < 0.1 | NA | NA | NF | NF | NF | NA | NA | NA | ALLERGEN |
| HYDROXYCITRONELLAL | 107-75-5 | RG7850000 | 203-518-7 | < 0.1 | NA | NA | NF | NF | NF | NA | NA | NA | ALLERGEN |
| LINALOOL | 78-70-6 | RG5775000 | 201-134-4 | < 0.1 | NA | NA | NF | NF | NF | NA | NA | NA | ALLERGEN |
| BENZYL BENZOATE | 120-51-4 | DG4200000 | 204-402-9 | < 0.1 | NA | NA | NF | NF | NF | NA | NA | NA | ALLERGEN |
| PPG-1 TRIDECETH-6 | NA | NA | NA | < 0.1 | NA | NA | NF | NF | NF | NA | NA | NA | |
| ALOE BARBEDENSIS LEAF EXTRACT | 85507-69-3 | NA | 287-390-8 | < 0.1 | NA | NA | NF | NF | NF | NA | NA | NA | |
| TOCOPHERYL ACETATE | 58-95-7 | GP8280000 | 200-405-4 | < 0.1 | NA | NA | NF | NF | NF | NA | NA | NA | |
| ETHYLHEXYL PALMITATE | 29806-73-3 | NA | 249-862-1 | < 0.1 | NA | NA | NF | NF | NF | NA | NA | NA | |
| PERSEA GRATISSIMA (AVOCADO) OIL | 84695-98-7 | NA | NA | < 0.1 | NA | NA | NF | NF | NF | NA | NA | NA | |
| CAPRYLIC/CAPRIC TRIGLYCERIDE | 73398-61-5 | NA | 277-452-2 | < 0.1 | NA | NA | NF | NF | NF | NA | NA | NA | |
| LECITHIN | 8002-43-5 | OG756000 | 232-307-2 | < 0.1 | NA | NA | NF | NF | NF | NA | NA | NA | |
| ALCOHOL | 64-17-5 | KQ6300000 | 200-578-6 | < 0.1 | 1000 | NA | 1880 | NF | NF | 1000 | 1900 | 3300 | |
| ASCORBYL PALMITATE | 137-66-6 | CU7671040 | 205-305-4 | < 0.1 | NA | NA | NF | NF | NF | NA | NA | NA | |
| GLYCERYL STEARATE | 31566-31-1 | RG1925000 | 250-705-4 | < 0.1 | NA | NA | NF | NF | NF | NA | NA | NA | |
| OLEIC ACID | 112-80-1 | RG2275000 | 204-007-1 | < 0.1 | NA | NA | NF | NF | NF | NA | NA | NA | ALLERGEN |
| CI 14700 (RED 4) | 94891-32-4 | NA | 305-632-3 | < 0.1 | NA | NA | NF | NF | NF | NA | NA | NA | |
| METHYLPARABEN | 99-76-3 | DH2450000 | 202-785-7 | < 0.1 | NA | NA | NF | NF | NF | NA | NA | NA | |
| TOCOPHEROL | 59-02-9 | DJ290000 | 200-412-2 | < 0.1 | NA | NA | NF | NF | NF | NA | NA | NA | |
| | | | | | | | | | | | | | |

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| | 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 | | | | | | | | |
| | SKIN: | 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. | | | | | | | |
| 10 | INHALATION: Remove victim to fresh air at once. | | | | | | | | |
| 4.2 | None known. | Aggravated by Exposure: | | | HEALTH | | 0 | | |
| | | | | | FLAMMABIL | ITY | 0 | | |
| | | | | | REACTIVITY | | 0 | | |
| | | | | | PROTECTIVE | EQUIPMENT | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | 5. FIREFIGHTING MEA | SURES | | | | | |
| 5.1 | Flashpoint & Method Non-flammable | | | | | | | | |
| 5.2 | Autoignition Temper NA | ature: | | | | | | | |
| 5.3 | Flammability Limits: | l | ower Explosive Limit (LEL): | NA | Upper Explosive L | imit (UEL): | NA | | |
| 5.4 | Fire & Explosion Hazards: This product is non-flammable. When exposed to high temperatures, may produce hazardous decomposition products such as carbon monoxide, carbon dioxide and smoke. | | | | | | | | |
| 5.5 | Extinguishing Method NA | ds: | | | | 0 0 | | | |
| 5.6 | Firefighting Procedures: As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. | | | | | | | | |
| | | | | | | | | | |
| 61 | Spills: | 6. <i>I</i> | ACCIDENTAL RELEASE | WEAJUKE | 3 | | | | |
| 6.1 Spills: <u>SMALL SPILLS</u> : Secure spill area, and maximize ventilation. Stop spill at source if safely possible. Deny entry to all unprotected individuals. Individuals involved in the cleanup must wear appropriate personal protective equipment. Vacuuming or wet sweeping methods are highly recommended. It is recommended that measures be taken to monitor the spill area in the event that TLV levels exceed the exposure limits. <u>LARGE SPILLS</u> : Secure spill area, and maximize ventilation. Stop spill at source if safely possible. Deny entry to all unprotected individuals. Individuals involved in the cleanup must wear appropriate personal protective equipment. Vacuuming or wet sweeping methods are highly recommended. It is recommended that measures be taken to monitor the spill area in the event that TLV levels exceed the exposure limits. <u>MITIGATION and DISPOSAL</u> : Recover spill material and place into appropriate container(s) for disposal. Contact appropriate local, state and federal authorities for assistance and/or requirements. | | | | | | | | | |

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|------|--|--|--------------------------------|--|--|--|--|--|--|
| | | | | | | | | | |
| Prep | ared to OSHA, ACC, A | NSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 1.1 MSDS Revision E | oate: 12/31/2009 | | | | | | |
| | | | | | | | | | |
| | | 7. HANDLING & STORAGE INFORMATION | | | | | | | |
| 7.1 | Work & Hygiene Practices: Avoid eye contact. Do not eat, drink or smoke when handling this product. Keep away from foodstuffs and beverages. | | | | | | | | |
| 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 | Ventilation & Engineering C | ontrols: I (e.g., fans) or natural ventilation is sufficient when this product is in use. | | | | | | | |
| 8.2 | Respiratory Protection: | | | | | | | | |
| | None required. | | | | | | | | |
| 8.3 | Eye Protection: | | | | | | | | |
| | None required under normal conditions of use. Avoid eye contact. May cause irritation in some sensitive individuals. When handling large quantities (e.g., \geq 1 gallon), safety glasses with side shields should be used. | | | | | | | | |
| 8.4 | Hand Protection: 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. | | | | | | | | |
| 8.5 | Body Protection: | | | | | | | | |
| | No apron required when handling small quantities. 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. When handling large quantities (e.g., ≥ 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water. | | | | | | | | |
| | | 9. PHYSICAL & CHEMICAL PROPERTIES | | | | | | | |
| 9.1 | Density: | 0.9850-1.0050 | | | | | | | |
| 9.2 | Boiling Point: | NA | | | | | | | |
| 9.3 | Melting Point: | NA | | | | | | | |
| 9.4 | Evaporation Rate: | NA | | | | | | | |
| 9.5 | Vapor Pressure: | NA | | | | | | | |
| 9.6 | Molecular Weight: | ΝΑ | | | | | | | |
| 9.7 | Appearance & Color: | Light pink emulsion with fruity fragrance | | | | | | | |
| 9.8 | Odor Threshold: | NA | | | | | | | |
| 9.9 | Solubility: | Partial | | | | | | | |
| 9.10 | рН | 2.90-3.85 | | | | | | | |
| 9.11 | Viscosity: | 25,000-60,000 cp | | | | | | | |
| 9.12 | Other Information: | NA | | | | | | | |
| | | | | | | | | | |

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| | 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 or reported. | | | | | |
| | 11. TOXICOLOGICAL INFORMATION | | | | | |
| 11.1 | Toxicity Data: The product has not been tested on animals to obtain toxicological data. There are toxicology data for the components of thi product, which are found in the scientific literature. This data has not been presented in this document. | | | | | |
| 11.2 | Acute Toxicity: See section 2.5 | | | | | |
| 11.3 | Chronic Toxicity: See section 2.6 | | | | | |
| 11.4 | Suspected Carcinogen: NE | | | | | |
| 11.5 | 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. | | | | | |
| 11.6 | Irritancy of Product: See Section 2.3 | | | | | |
| 11.7 | Biological Exposure Indices: NE | | | | | |
| 11.8 | Physician Recommendations: Treat symptomatically. | | | | | |
| | 12. ECOLOGICAL INFORMATION | | | | | |
| 12.1 | Environmental Stability: There is no specific data available for this product. | | | | | |
| 12.2 | Effects on Plants & Animals: There is no specific data available for this product. | | | | | |
| 12.3 | Effects on Aquatic Life: There is 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: Packagings should be emptied as much as possible and after rinsing, sent for recycling. | | | | | |

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14. TRANSPORTATION INFORMATION

| | basic description (ID Number, proper shipping name, hazar litional descriptive information may be required by 49 CFR, 1/ | | ach mode of transportation. | | | |
|------|--|--|-----------------------------|--|--|--|
| 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. REGULA | ATORY INFORMATION | | | | |
| 15.1 | SARA Reporting Requirements: NA | | | | | |
| 15.2 | SARA Threshold Planning Quantity: NA | | | | | |
| 15.3 | TSCA Inventory Status: All chemical substances of this product are listed on the TSCA inventory or are otherwise exempted from inventory status. | | | | | |
| 15.4 | CERCLA Reportable Quantity (RQ): | | | | | |
| 15.5 | Other Federal Requirements: This product complies with the appropriate sections of the | Food and Drug Administration's 21 CFR subchapt | er G (Cosmetics). | | | |
| 15.6 | Other Canadian Regulations: This product has been classified according to the hazard the information required by the CPR. The components of t the components of this product are listed on the Priorities S | this product are listed on the DSL/NDSL. None of | | | | |
| 15.7 | State Regulatory Information: Ingredients in this mixture on found on the following state criteria lists: | | | | | |
| | | ropylene Glycol, Alcohol ropylene Glycol, Alcohol | | | | |
| | ····· • • • • • • • • • • • • • • • • • | lcohol Icohol | | | | |
| 15.8 | 67/548/EEC (European Union) Requirements: The primary components of this product are not listed in A | nnex I of EU Directive 67/548/EEC. | | | | |

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| | 16. OTHER INFORMATION | | | | | |
|------|--|--|--|--|--|--|
| 16.1 | Other Information: Use only as directed. Discontinue use immediately if irritation develops. Do not use near eyes. | | | | | |
| 16.2 | Terms & Definitions: Please see last page of this MSDS. | | | | | |
| 16.3 | Disclaimer: This Material 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 Products Inc.'s knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are 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 +1 (818) 759-2400 phone +1 (818) 759-5770 fax http://www.opi.com/ | O · P ·I | | | | |
| 16.5 | Prepared by: ShipMate, Inc. PO Box 787 Sisters, OR 97759-0787 USA Phone: +1 (310) 370-3600 Fax: +1 (310) 370-5700 e-mail: shipmate@shipmate.com | ShipMate Dangerous Goods Training & Consulting | | | | |

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DEFINITION OF TERMS

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

GENERAL INFORMATION:

| Chemical Abstract Service Number |
|----------------------------------|
| |
| |

EXPOSURE LIMITS IN AIR:

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

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. |
|-----|---|
|-----|---|

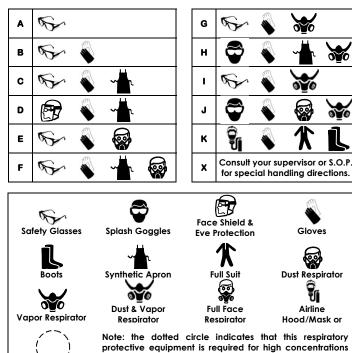
HEALTH

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

| 0 | Minimal Hazard | FLAMMABILITY | | |
|---|-----------------|---------------------|--|--|
| 1 | Slight Hazard | | | |
| 2 | Moderate Hazard | REACTIVITY | | |
| 3 | Severe Hazard | | | |
| 4 | Extreme Hazard | PERSONAL PROTECTION | | |

PERSONAL PROTECTION RATINGS:



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 | | | | |

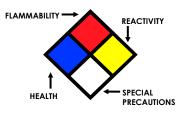
or for large volume spills or releases of product.

OTHER STANDARD ABBREVIATIONS:

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

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA HAZARD RATINGS:

| 0 | Minimal Hazard |
|-----|-----------------|
| 1 | Slight Hazard |
| 2 | Moderate Hazard |
| 3 | Severe Hazard |
| 4 | Extreme Hazard |
| ACD | Acidic |
| ALK | Alkaline |
| COR | Corrosive |
| W | Use No Water |
| OX | Oxidizer |
| | |



TOXICOLOGICAL INFORMATION:

| LD ₅₀ | Lethal Dose (solids & liquids) which kills 50% of the exposed animals s | | | | |
|--|---|--|--|--|--|
| LC ₅₀ | Lethal concentration (gases) which kills 50% of the exposed animal | | | | |
| ppm | Concentration expressed in parts of material per million parts | | | | |
| TD _{io} | Lowest dose to cause a symptom | | | | |
| TCLo | Lowest concentration to cause a symptom | | | | |
| TD _{io} , LD _{io} , & LD _o or | Lowest dose (or concentration) to cause lethal or toxic | | | | |
| TC, TC _o , LC _{lo} , & LC _o | effects | | | | |
| IARC | International Agency for Research on Cancer | | | | |
| NTP | National Toxicology Program | | | | |
| RTECS | Registry of Toxic Effects of Chemical Substances | | | | |
| BCF | Bioconcentration Factor | | | | |
| TLm | Median threshold limit | | | | |
| log Kow or log Koc | Coefficient of Oil/Water Distribution | | | | |

REGULATORY INFORMATION:

| 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 | | | |
| NDSL | Canadian Non-Domestic Substance List | | | |
| PSL | Canadian Priority Substances List | | | |
| TSCA | U.S. Toxic Substance Control Act | | | |
| EU | European Union (European Union Directive 67/548/EEC) | | | |
| CPR | Canada's Controlled Product Regulations | | | |

EC INFORMATION:

| | | X | * | <u>)</u> | | × | × |
|-----------|-----------|-----------|---------|-----------|-------|----------|---------|
| С | E | F | Ν | 0 | T+ | Xi | Xn |
| Corrosive | Explosive | Flammable | Harmful | Oxidizing | Toxic | Irritant | Harmful |

WHMIS INFORMATION:

