



# MATERIAL SAFETY DATA SHEET

Page 1 of 7  
CND-N-027

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards

MSDS Revision: 8.5

MSDS Revision Date: 05/12/2010

## 1. PRODUCT IDENTIFICATION

|     |   |
|-----|---|
| 1.1 | Product Name:<br><b>SPAMANICURE ALMOND SOOTHING CRÈME</b>                         |
| 1.2 | Chemical Name:<br><b>AQUEOUS CREAM</b>  |
| 1.3 | Synonyms:<br><b>SpaManicure Almond Soothing Crème, Solarbutter, Solar Butter®</b> |
| 1.4 | Trade Names:<br><b>SpaManicure Almond Soothing Crème – For The Hands</b>          |
| 1.5 | Product Use:<br><b>COSMETIC USE ONLY</b>  |
| 1.6 | Distributor's Name:<br><b>CREATIVE NAIL DESIGN, INC.</b>                          |
| 1.7 | Distributor's Address:<br><b>1125 JOSHUA WAY, VISTA, CA USA, 92081 USA</b>        |
| 1.8 | Emergency Phone:<br><b>CHEMTREC: +1 (800) 424-9300 / +1 (703) 527-3887</b>        |
| 1.9 | Business Phone:<br><b>+1 (800) 833-NAIL (6245) / +1 (760) 599-2900</b>            |

## 2. HAZARD IDENTIFICATION

|     |   |             |           |             |           |            |            |
|-----|---|-------------|-----------|-------------|-----------|------------|------------|
| 2.1 | Hazard Identification:<br><b>This product is NOT classified as a HAZARDOUS SUBSTANCE or as DANGEROUS GOODS according to the classification criteria of [NOHSC: 1088 (2004)] and ADG Code (Australia).</b>   |             |           |             |           |            |            |
| 2.2 | Routes of Entry:  | Inhalation: | <b>NO</b> | Absorption: | <b>NO</b> | Ingestion: | <b>YES</b> |
| 2.3 | Effects of Exposure:<br><b>INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea.</b><br><b>EYES: Slightly irritating to the eyes.</b><br><b>SKIN: May be irritating to skin in some sensitive individuals.</b><br><b>INHALATION: Inhalation is very unlikely.</b> |             |           |             |           |            |            |
| 2.4 | Symptoms of Overexposure:<br><b>EYES: Symptoms of overexposure may include redness, itching, irritation and watering (if in eyes).</b><br><b>SKIN: Symptoms of overexposure may include redness, itching and irritation.</b>  |             |           |             |           |            |            |
| 2.5 | Acute Health Effects:<br><b>EYES: Redness, itching, irritation (and watering if in eyes) at the site of contact for some sensitive individuals.</b><br><b>SKIN: Redness, itching and irritation of skin at the site of contact for some sensitive individuals.</b>                          |             |           |             |           |            |            |
| 2.6 | Chronic Health Effects:<br><b>None known.</b>   |             |           |             |           |            |            |
| 2.7 | Target Organs:<br><b>Eyes and skin.</b>   |             |           |             |           |            |            |

NA = Not Available; ND = Not Determined; NE = Not Established; NF = Not Found; C = Ceiling Limit; See Section 16 for Additional Definitions of Terms Used. Note: All WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-2004 format.

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### 3. COMPOSITION & INGREDIENT INFORMATION

| CHEMICAL NAME(S)                           | CAS No.    | RTECS No. | EINECS No. | %      | EXPOSURE LIMITS IN AIR (mg/m <sup>3</sup> ) |      |        |         |         |      |      |      |       |
|--|------------|-----------|------------|--------|---|------|--------|---------|---------|------|------|------|-------|
|  |            |           |            |        | ACGIH                                       |      | NOHSC  |         |         | OSHA |      |      | OTHER |
|  |            |           |            |        | ppm   |      | ppm    |         |         | ppm  |      |      |       |
|  |            |           |            |        | TLV   | STEL | ES-TWA | ES-STEL | ES-PEAK | PEL  | STEL | IDLH |       |
| WATER                                      | 7732-18-5  | ZC0110000 | 231-791-2  | ≤ 65.0 | NA  | NA   | NF     | NF      | NF      | NA   | NA   | NA   |       |
| PRUNUS AMYGDALUS DULCIS (SWEET ALMOND) OIL | 8007-69-0  | RJ3370000 | 232-276-5  | ≤ 10.0 | NA  | NA   | NF     | NF      | NF      | NA   | NA   | NA   |       |
| CYCLOMETHICONE                             | 541-02-6   | GY5945200 | 208-764-9  | ≤ 10.0 | NA  | NA   | NF     | NF      | NF      | NA   | NA   | NA   |       |
| BUTYROSPERMUM PARKII(SHEA BUTTER)          | 68920-03-6 | NA        | 270-311-6  | ≤ 10.0 | NA  | NA   | NF     | NF      | NF      | NA   | NA   | NA   |       |
| PEG-100 STERARATE                          | 9004-99-3  | MD0907300 | NA         | ≤ 5.0  | NA  | NA   | NF     | NF      | NF      | NA   | NA   | NA   |       |
| GLYCERYL STEARATE                          | 31566-31-1 | RG1925000 | 250-705-4  | ≤ 5.0  | NA  | NA   | NF     | NF      | NF      | NA   | NA   | NA   |       |
| GLYCERIN                                   | 56-81-5    | MA8050000 | 231-211-8  | ≤ 5.0  | NA  | NA   | NF     | NF      | NF      | NA   | NA   | NA   |       |
| SIMMONDSIA CHINENSIS (JOJOBA) OIL          | 61789-91-1 | NY9262700 | 296-292-4  | ≤ 2.0  | NA  | NA   | NF     | NF      | NF      | NA   | NA   | NA   |       |
| FRAGRANCE (PARFUM)                         | NA         | NA        | NA         | ≤ 2.0  | NA  | NA   | NF     | NF      | NF      | NA   | NA   | NA   |       |
| DIMETHICONE                                | 9006-65-9  | TY2000000 | NA         | ≤ 1.0  | NA  | NA   | NF     | NF      | NF      | NA   | NA   | NA   |       |
| STEARETH-10                                | 9005-00-9  | WI6250000 | NA         | ≤ 1.0  | NA  | NA   | NF     | NF      | NF      | NA   | NA   | NA   |       |
| TOCOPHERYL ACETATE                         | 58-95-7    | GP8280000 | 200-405-4  | < 1.0  | NA  | NA   | NF     | NF      | NF      | NA   | NA   | NA   |       |
| SQUALANE                                   | 111-01-3   | XB6070000 | 203-825-6  | < 1.0  | NA  | NA   | NF     | NF      | NF      | NA   | NA   | NA   |       |
| PHENOXYETHANOL                             | 122-99-6   | KM0350000 | 204-589-7  | < 1.0  | NA  | NA   | NF     | NF      | NF      | NA   | NA   | NA   |       |
| METHYLPARABEN                              | 99-76-3    | DH2450000 | 202-785-7  | < 0.4  | NA  | NA   | NF     | NF      | NF      | NA   | NA   | NA   |       |
| ETHYLPARABEN                               | 120-47-8   | DH2190000 | 204-399-4  | < 0.1  | NA  | NA   | NF     | NF      | NF      | NA   | NA   | NA   |       |
| PROPYLPARABEN                              | 94-13-3    | DH2800000 | 202-307-7  | < 0.1  | NA  | NA   | NF     | NF      | NF      | NA   | NA   | NA   |       |
| ISOBUTYLPARABEN                            | 4247-02-3  | NA        | 224-208-8  | < 0.1  | NA  | NA   | NF     | NF      | NF      | NA   | NA   | NA   |       |
| BUTYLPARABEN                               | 94-26-8    | DH1980000 | 202-318-7  | < 0.1  | NA  | NA   | NF     | NF      | NF      | NA   | NA   | NA   |       |

### 4. FIRST AID MEASURES

|     |  |  |
|-----|--|--|
| 4.1 | First Aid:                                 | <p><b>INGESTION:</b> DO NOT INDUCE VOMITING. Contact ChemTrec at +1 (703) 527-3887 or the nearest Poison Control Center or local emergency telephone number for assistance and instructions. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.</p> <p><b>EYES:</b> 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 seek medical attention.</p> <p><b>SKIN:</b> If redness, dryness or other signs of irritation to the skin develop, wash affected skin areas with plenty of warm water and soap. Do not wear contaminated clothing until after it has been properly cleaned. If irritation persists, consult a physician.</p> <p><b>INHALATION:</b> Remove victim to fresh air at once.</p> |
| 4.2 | Medical Conditions Aggravated by Exposure: | <b>None known.</b>   |

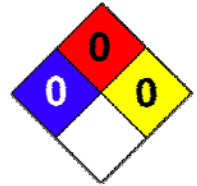
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## 5. FIREFIGHTING MEASURES

|     |  |
|-----|--|
| 5.1 | Flashpoint & Method:<br><b>Non-flammable.</b>  |
| 5.2 | Autoignition Temperature:<br><b>NA</b>   |
| 5.3 | Flammability Limits:<br>Lower Explosive Limit (LEL): <b>NA</b> Upper Explosive Limit (UEL): <b>NA</b>  |
| 5.4 | Fire & Explosion Hazards:<br><b>This product is non-flammable.</b>   |
| 5.5 | Extinguishing Methods:<br><b>Water, Foam, CO<sub>2</sub> or Dry Chemical , as authorized.</b>  |
| 5.6 | Firefighting Procedures:<br><b>This product is not flammable. If involved in a fire, emergency responders should wear eye protection and SCBAs and other protective equipment. If possible, prevent runoff water from entering storm drains, waterways or environmentally-sensitive areas. Wash contaminated clothing and equipment with warm water and soap, followed by rinse before returning to service.</b> |



## 6. ACCIDENTAL RELEASE MEASURES

|     |   |
|-----|---|
| 6.1 | Spills:<br><b>Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., &lt; 1 gallon (3.785 liters)) 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 spills ≥ 1 gallon (3.785 liters), 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.</b> |
|-----|---|

## 7. HANDLING & STORAGE INFORMATION

|     |  |
|-----|--|
| 7.1 | Work & Hygiene Practices:<br><b>Follow normal hygiene practices. Do not eat, drink or smoke while handling product. Appropriate personal protective equipment should be worn when working with large quantities (&gt; 1 gallon (3.785 liters)) of this material.</b>                           |
| 7.2 | Storage & Handling:<br><b>Use and store in a cool, dry location. Keep away from excessive heat and direct sunlight. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers closed when not in use.</b> |
| 7.3 | Special Precautions:<br><b>Spilled material may present a slipping hazard if left unattended. Clean all spills promptly.</b>   |



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## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

|  |   |  |               |          |  |                     |          |  |                   |          |  |                             |  |  |  |  |
|--|---|--|---------------|----------|--|---------------------|----------|--|-------------------|----------|--|-----------------------------|--|--|--|--|
| 8.1  | Ventilation & Engineering Controls:<br><b>General mechanical (e.g., fans) or natural ventilation is sufficient when this product is in use.</b>   |  |               |          |  |                     |          |  |                   |          |  |                             |  |  |  |  |
| 8.2  | Respiratory Protection:<br><b>None required.</b>  |  |               |          |  |                     |          |  |                   |          |  |                             |  |  |  |  |
| 8.3  | Eye Protection:<br><b>None required under normal conditions of use. When handling large quantities (e.g., ≥ 1 gallon (3.785 liters)), safety glasses with side shields should be used.</b>  |  |               |          |  |                     |          |  |                   |          |  |                             |  |  |  |  |
| 8.4  | Hand Protection:<br><b>None required under normal conditions of use. When handling large quantities (e.g., ≥ 1 gallon (3.785 liters)), wear rubber or impervious plastic gloves.</b>  |  |               |          |  |                     |          |  |                   |          |  |                             |  |  |  |  |
| 8.5  | <table border="1" style="width: 100%;"> <tr> <td style="width: 80%;">Body Protection:<br/><b>No apron required when handling small quantities. When handling large quantities (e.g., ≥ 1 gallon (3.785 liters)), 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.</b></td> <td style="background-color: #0000FF; color: white;"><b>HEALTH</b></td> <td style="text-align: center;"><b>0</b></td> </tr> <tr> <td></td> <td style="background-color: #FF0000; color: white;"><b>FLAMMABILITY</b></td> <td style="text-align: center;"><b>0</b></td> </tr> <tr> <td></td> <td style="background-color: #FFFF00;"><b>REACTIVITY</b></td> <td style="text-align: center;"><b>0</b></td> </tr> <tr> <td></td> <td><b>PROTECTIVE EQUIPMENT</b></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table> | Body Protection:<br><b>No apron required when handling small quantities. When handling large quantities (e.g., ≥ 1 gallon (3.785 liters)), 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.</b> | <b>HEALTH</b> | <b>0</b> |  | <b>FLAMMABILITY</b> | <b>0</b> |  | <b>REACTIVITY</b> | <b>0</b> |  | <b>PROTECTIVE EQUIPMENT</b> |  |  |  |  |
| Body Protection:<br><b>No apron required when handling small quantities. When handling large quantities (e.g., ≥ 1 gallon (3.785 liters)), 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.</b> | <b>HEALTH</b>   | <b>0</b>   |               |          |  |                     |          |  |                   |          |  |                             |  |  |  |  |
|  | <b>FLAMMABILITY</b>   | <b>0</b>   |               |          |  |                     |          |  |                   |          |  |                             |  |  |  |  |
|  | <b>REACTIVITY</b>   | <b>0</b>   |               |          |  |                     |          |  |                   |          |  |                             |  |  |  |  |
|  | <b>PROTECTIVE EQUIPMENT</b>   |  |               |          |  |                     |          |  |                   |          |  |                             |  |  |  |  |
|  |   |  |               |          |  |                     |          |  |                   |          |  |                             |  |  |  |  |

## 9. PHYSICAL & CHEMICAL PROPERTIES

|      |                     |  |
|------|---------------------|--|
| 9.1  | Density:            | <b>.90 - 1.00</b>                                    |
| 9.2  | Boiling Point:      | <b>ND</b>  |
| 9.3  | Melting Point:      | <b>ND</b>  |
| 9.4  | Evaporation Rate:   | <b>ND</b>  |
| 9.5  | Vapor Pressure:     | <b>ND</b>  |
| 9.6  | Molecular Weight:   | <b>ND</b>  |
| 9.7  | Appearance & Color: | <b>White, opaque cream with a sweet, almond odor</b> |
| 9.8  | Odor Threshold:     | <b>ND</b>  |
| 9.9  | Solubility:         | <b>Slightly soluble</b>                              |
| 9.10 | pH                  | <b>4.0 - 6.8</b>                                     |
| 9.11 | Viscosity:          | <b>40,000 - 80,000 cps</b>                           |
| 9.12 | Other Information:  | <b>NA</b>  |

## 10. STABILITY & REACTIVITY

|      |                                   |   |
|------|-----------------------------------|---|
| 10.1 | Stability:                        | <b>Stable under ambient conditions.</b>   |
| 10.2 | Hazardous Decomposition Products: | <b>Oxides of carbon and nitrogen.</b>   |
| 10.3 | Hazardous Polymerization:         | <b>Will not occur.</b>  |
| 10.4 | Conditions to Avoid:              | <b>Exposure or contact with extreme temperatures or incompatible materials.</b> |
| 10.5 | Incompatible Substances:          | <b>Strong oxidizers.</b>  |

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## 11. TOXICOLOGICAL INFORMATION

|      |                              |   |
|------|------------------------------|---|
| 11.1 | Toxicity Data:               | <b>This product has not been tested on animals to obtain toxicological data. There are toxicology data for the components of this product, which are found in the scientific literature. These data have not been presented in this document.</b> |
| 11.2 | Acute Toxicity:              | <b>See section 2.5</b>  |
| 11.3 | Chronic Toxicity:            | <b>See section 2.6</b>  |
| 11.4 | Suspected Carcinogen:        | <b>NE</b>   |
| 11.5 | Reproductive Toxicity:       | <b>This product is not reported to produce reproductive toxicity in humans.</b>   |
|      | Mutagenicity:                | <b>This product is not reported to produce mutagenic effects in humans.</b>   |
|      | Embryotoxicity:              | <b>This product is not reported to produce embryotoxic effects in humans.</b>   |
|      | Teratogenicity:              | <b>This product is not reported to produce teratogenic effects in humans.</b>   |
|      | Reproductive Toxicity:       | <b>This product is not reported to produce reproductive effects in humans.</b>  |
| 11.6 | Irritancy of Product:        | <b>See section 2.3</b>  |
| 11.7 | Biological Exposure Indices: | <b>NE</b>   |
| 11.8 | Physician Recommendations:   | <b>Treat symptomatically.</b>   |

## 12. ECOLOGICAL INFORMATION

|      |                              |  |
|------|------------------------------|--|
| 12.1 | Environmental Stability:     | <b>This product will slowly volatilize from soil. Components of this product will slowly decompose into organic compounds.</b> |
| 12.2 | Effects on Plants & Animals: | <b>There is no specific data available for this product.</b>   |
| 12.3 | Effects on Aquatic Life:     | <b>There is no specific data available for this product.</b>   |

## 13. DISPOSAL CONSIDERATIONS

|      |                         |  |
|------|-------------------------|--|
| 13.1 | Waste Disposal:         | <b>Dispose of in accordance with Federal, state and local regulations.</b> |
| 13.2 | Special Considerations: | <b>NA</b>  |

## 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, SCT, ADGR and the CTDGR.



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

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## 15. REGULATORY INFORMATION

|      |  |
|------|--|
| 15.1 | U.S. EPA SARA Title III Reporting Requirements:<br><b>NA</b>   |
| 15.2 | U.S. EPA SARA Title III Threshold Planning Quantity (TPQ):<br><b>NA</b>  |
| 15.3 | U.S. TSCA Inventory Status:<br><b>All chemical substances of this product are listed on the TSCA inventory or are otherwise exempted from inventory status.</b>  |
| 15.4 | U.S. CERCLA Reportable Quantity (RQ):<br><b>There are no Reportable Quantities for any of the components of this product.</b>  |
| 15.5 | Other U.S. Federal Requirements:<br><b>This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G, (Cosmetics).</b>   |
| 15.6 | Other Canadian Regulations:<br><b>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.</b>                 |
| 15.7 | U.S. State Regulatory Information:<br><b>Pennsylvania Right to Know List - Phenoxyethanol<br/>No components of this product are listed on the California Proposition 65 lists.</b>   |
| 15.8 | European Union 67/548/EEC and Australia NOHSC:2011 (2003) Requirements:<br><b>The primary components of this product are not listed in Annex I of EU Directive 67/548/EEC.<br/>The primary components of this product are not listed as Hazardous Components with the Australian Government, Australian Safety and Compensation Council, (HSIS).</b> |

## 16. OTHER INFORMATION

|      |  |   |
|------|--|---|
| 16.1 | Other Information:<br><b>WARNING: Use only as directed. Discontinue use immediately if irritation develops.</b>  |   |
| 16.2 | Terms & Definitions:<br><b>Please see last page of this MSDS.</b>  |   |
| 16.3 | Disclaimer:<br>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 & Creative Nail Design'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:<br><b>Creative Nail Design, Inc.<br/>A Division of Colomer U.S.A., Inc.<br/>1125 Joshua Way<br/>Vista, CA 92081 USA<br/>+1 (800) 833-NAIL (6245)<br/>+1 (760) 599-2900 phone<br/>+1 (760) 599-4005 fax<br/><a href="http://www.cnd.com/">http://www.cnd.com/</a></b>   |  |
| 16.5 | Prepared by:<br><b>ShipMate, Inc.<br/>PO Box 787<br/>Sisters, OR 97759-0787 USA<br/>Phone: +1 (310) 370-3600<br/>Fax: +1 (310) 370-5700<br/>e-mail: <a href="mailto:shipmate@shipmate.com">shipmate@shipmate.com</a></b>   |  |

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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:

|                |                                  |
|----------------|----------------------------------|
| <b>CAS No.</b> | Chemical Abstract Service Number |
|----------------|----------------------------------|

### EXPOSURE LIMITS IN AIR:

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

### FIRST AID MEASURES:

|            |  |
|------------|--|
| <b>CPR</b> | 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:

|          |                 |
|----------|-----------------|
| <b>0</b> | Minimal Hazard  |
| <b>1</b> | Slight Hazard   |
| <b>2</b> | Moderate Hazard |
| <b>3</b> | Severe Hazard   |
| <b>4</b> | Extreme Hazard  |



#### PERSONAL PROTECTION RATINGS:

|          |  |          |  |
|----------|--|----------|--|
| <b>A</b> |  | <b>G</b> |  |
| <b>B</b> |  | <b>H</b> |  |
| <b>C</b> |  | <b>I</b> |  |
| <b>D</b> |  | <b>J</b> |  |
| <b>E</b> |  | <b>K</b> |  |
| <b>F</b> |  | <b>X</b> | Consult your supervisor or S.O.P. for special handling directions. |

|                         |                                    |   |                             |
|-------------------------|------------------------------------|---|-----------------------------|
|                         |                                    |   |                             |
| <b>Safety Glasses</b>   | <b>Splash Goggles</b>              | <b>Face Shield &amp; Eye Protection</b> | <b>Gloves</b>               |
|                         |                                    |   |                             |
| <b>Boots</b>            | <b>Synthetic Apron</b>             | <b>Full Suit</b>                        | <b>Dust Respirator</b>      |
|                         |                                    |   |                             |
| <b>Vapor Respirator</b> | <b>Dust &amp; Vapor Respirator</b> | <b>Full Face Respirator</b>             | <b>Airline Hood/Mask or</b> |

Note: the dotted circle indicates that this respiratory protective equipment is required for high concentrations or for large volume spills or releases of product.

#### FLAMMABILITY LIMITS IN AIR:

|                                 |   |
|---------------------------------|---|
| <b>Autoignition Temperature</b> | Minimum temperature required to initiate combustion in air with no other source of ignition   |
| <b>LEL</b>                      | Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source  |
| <b>UEL</b>                      | Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source |

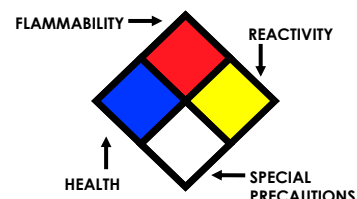
### OTHER STANDARD ABBREVIATIONS:

|             |                                    |
|-------------|------------------------------------|
| <b>NA</b>   | Not Available                      |
| <b>NR</b>   | No Results                         |
| <b>NE</b>   | Not Established                    |
| <b>ND</b>   | Not Determined                     |
| <b>ML</b>   | Maximum Limit                      |
| <b>SCBA</b> | Self-Contained Breathing Apparatus |

### NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

#### HAZARD RATINGS:

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



### TOXICOLOGICAL INFORMATION:

|   |   |
|---|---|
| <b>LD<sub>50</sub></b>  | Lethal Dose (solids & liquids) which kills 50% of the exposed animals |
| <b>LC<sub>50</sub></b>  | Lethal concentration (gases) which kills 50% of the exposed animal    |
| <b>ppm</b>  | Concentration expressed in parts of material per million parts        |
| <b>TD<sub>10</sub></b>  | Lowest dose to cause a symptom  |
| <b>TCLo</b>   | Lowest concentration to cause a symptom                               |
| <b>TD<sub>10</sub>, LD<sub>10</sub>, &amp; LD<sub>50</sub> or TC, TC<sub>10</sub>, LC<sub>10</sub>, &amp; LC<sub>50</sub></b> | Lowest dose (or concentration) to cause lethal or toxic effects       |
| <b>IARC</b>   | International Agency for Research on Cancer                           |
| <b>NTP</b>  | National Toxicology Program   |
| <b>RTECS</b>  | Registry of Toxic Effects of Chemical Substances                      |
| <b>BCF</b>  | Bioconcentration Factor   |
| <b>TL<sub>m</sub></b>   | Median threshold limit  |
| <b>log K<sub>ow</sub> or log K<sub>oc</sub></b>   | Coefficient of Oil/Water Distribution                                 |

### REGULATORY INFORMATION:

|              |  |
|--------------|--|
| <b>WHMIS</b> | Canadian Workplace Hazardous Material Information System |
| <b>DOT</b>   | U.S. Department of Transportation                        |
| <b>TC</b>    | Transport Canada   |
| <b>EPA</b>   | U.S. Environmental Protection Agency                     |
| <b>DSL</b>   | Canadian Domestic Substance List                         |
| <b>NDSL</b>  | Canadian Non-Domestic Substance List                     |
| <b>PSL</b>   | Canadian Priority Substances List                        |
| <b>TSCA</b>  | U.S. Toxic Substance Control Act                         |
| <b>EU</b>    | European Union (European Union Directive 67/548/EEC)     |
| <b>CPR</b>   | Canada's Controlled Product Regulations                  |

### EC INFORMATION:

|           |           |           |          |           |           |           |           |
|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|
|           |           |           |          |           |           |           |           |
| <b>C</b>  | <b>E</b>  | <b>F</b>  | <b>N</b> | <b>O</b>  | <b>T+</b> | <b>Xi</b> | <b>Xn</b> |
| Corrosive | Explosive | Flammable | Harmful  | Oxidizing | Toxic     | Irritant  | Harmful   |

### WHMIS INFORMATION:

|            |           |           |           |            |            |           |          |
|------------|-----------|-----------|-----------|------------|------------|-----------|----------|
|            |           |           |           |            |            |           |          |
| <b>A</b>   | <b>B</b>  | <b>C</b>  | <b>D1</b> | <b>D2</b>  | <b>D3</b>  | <b>E</b>  | <b>F</b> |
| Compressed | Flammable | Oxidizing | Toxic     | Irritation | Infectious | Corrosive | Reactive |