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Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, EU & GHS Standards

SDS Revision: 1.0

SDS Revision Date: 2/9/2019

| | | 1. | PRODUC | CT & CON | | | | | TION | 1 | | | | |
|---------------|------------------------------------|--|--|---|------------------------|--------|-------|--------|----------------|-------|---------|-----------------|--------------------|----------------|
| 1.1 | Product Name: | 1 | P BALM | | | | | 10/1 | | • | | | | |
| 1.2 | Chemical Name: | Wax Solution | | | | | | | | | | | | |
| 1.3 | Synonyms: | NA | | | | | | | | | | | | |
| 1.4 | Trade Names: | Dadi Lip Bal | m | | | | | | | | | | | |
| 1.5 | Product Uses & Restrictions: | Personal Su | ndry | | | | | | | | | | | |
| 1.6 | Distributor's Name: | Famous Nar | mes, LLC | | | | | | | | | | | |
| 1.7 | Distributor's Address: | 11897 Oakla | and Hills Dr, La | is Vegas, NV 8 | 9141 USA | | | | | | | | | |
| 1.8 | Emergency Phone: | CHEMTR | EC: +1 (703 | 8) 527-3887 | / +1 (80 | 0) 424 | -930 | 0 (CC | CN 706 | 6492 |) | | | |
| 1.9 | Business Phone / Fax: | +1 (858) 779 | 9-1513 / +1 (87 | 7) 235-1141 | | | | | | | | | | |
| | | | 2. H | AZARDS | IDENT | IFIC | | ON | | | | | | |
| 2.1 | Hazard Identification: | classification | t is NOT clas criteria of Aus MAY CAUSE | ssified as a H stralian WHS A | IAZARDOI ct & Regul | JS SUE | BSTAN | NCE o | | | | | | cording to the |
| 2.2 | Label Elements: Other Warnings: | Precautional EYES: Rinse easy to do. | ements (H): No ry Statements e cautiously w Continue rinsir OF REACH Of | (P): P264 – W ith water for s ng. P337+P31: | everal mir | nutes. | Remo | ve con | tact ler | nses, | if pres | sent an | | |
| | | | | | | | | | | | | | | |
| | | <u>3.</u> C | OMPOSI | <u> </u> | GRED | IENT | INF | ORN | | | | | | |
| | | | | | | - | | | EXPOS NOHSC | URE L | MITS IN | AIR (mg OSHA | g/m ³) | |
| | | | | | | ACC | - | | ppm | | | ppm | | |
| | | | | | | | | ES- | ES- | ES- | | | | |
| CHEMI | CAL NAME(S) | CAS No. 8012-89-3 | RTECS No. | EINECS No. 232-383-7 | % | TLV | STEL | TWA | | PEAK | PEL | STEL | IDLH | OTHER |
| BEES | WAX | 8012-89-3 | INA | 232-303-1 | 20-40 | NA | NA | NF | NF | NF | NA | NA | NA | |
| | NTHUS ANNUUS LOWER) SEED OIL | 8001-21-6 | NA | 232-273-9 | 15-25 | NA | NA | NF | NF | NF | NA | NA | NA | |
| ` | S NUCIFERA (COCONUT) | 8001-31-8 | GG6040000 | 232-282-8 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| - | US COMMUNIS (CASTOR) | 8001-79-4 | FI4100000 | 232-293-8 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| EUPH | ORBIA CERIFERA DELILLA) WAX | 8006-44-8 | NA | 232-347-0 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| LANO | , | 10191-41-0 | NA | 233-466-0 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| FLAV | DR | NA | NA | NA | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| тосо | PHEROL | 10191-41-0 | NA | 233-466-0 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| ALOE EXTR/ | BARBADENSIS LEAF ACT | 85507-69-3 | NA | 287-390-8 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| | ONDSIA CHINENSIS BA) SEED OIL | 90045-98-0 | NA | 289-964-3 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| | BROMA CACAO (COCOA) BUTTER | 84649-99-0 | NA | 283-480-6 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| | ROSPERMUM PARKII A) BUTTER | 194043-92-0 | NA | 293-515-7 | NA | NA | NA | NF | NF | NF | NA | NA | NA | |
| | | | | NA | NA | NIA | NA | | NF | NF | NA | NIA | NIA | |
| • | EUROPAEA (OLIVE) OIL | 8001-25-0 | NA | INA | INA | NA | N/A | NF | INI | INF | INA | NA | NA | |



SAFETY DATA SHEET

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| | | | 4. FIRST AID MEASURES | | |
|------------|--------------------------------------|---|--|---|---|
| 4.1 | First Aid: | Ingestion: Eyes: Skin: Inhalation: | DO NOT INDUCE VOMITING. Contact the nearest P number for assistance and instructions. Seek in spontaneously, keep victim's head lowered (forward) to If product gets in the eyes, flush eyes thoroughly with holding eyelid(s) open to ensure complete flushing. If in Remove contaminated clothing and wash affected are prompt medical attention. Do not wear contaminated cl Remove victim to fresh air at once. | nmediate medical attention. If vomitin preduce the risk of aspiration. n copious amounts of water for at least 15 rritation persists, seek medical attention. eas with soap and water. If irritation pers | g occurs 5 minutes, ists, seek |
| 4.2 | Effects of Exposure: | Ingestion: | If product is swallowed, may cause nausea, vomiting an | | |
| | | <u>Eyes</u> : <u>Skin</u> : <u>Inhalation</u> : | Symptoms of overexposure may include redness, itchir May be irritating to skin in some sensitive individuals. None expected. | ng, irritation and watering. | |
| 4.3 | Symptoms of Overexposure: | <u>Ingestion</u> : <u>Eyes</u> : <u>Skin</u> : | Nausea, intestinal discomfort, vomiting and/or diarrhea. Overexposure in eyes may cause redness, itching and Symptoms of skin overexposure may include redness, can cause allergic skin reactions (e.g., rashes, welts, do | watering. itching, and irritation of affected areas. Th ermatitis) in some sensitive individuals. | e product |
| 4.4 | Acute Health Effects: | | itation to eyes. Moderate irritation to skin near affected a | | |
| 4.5 | Chronic Health Effects: | product con | or chronic health effects are expected to occur from a tained in very small, may be mild allergens to some sensi | | nts of this |
| 4.6 4.7 | Target Organs: Medical Conditions | Eyes. | added the second statement | | 4 |
| 4.7 | Aggravated by Exposure: | None report | ed by the manufacturer. | | 1 |
| | | | | FLAMMABILITY | 0 |
| | | | | PHYSICAL HAZARDS | 0 |
| | | | | PROTECTIVE EQUIPMENT | Α |
| | | | | | |
| | | | 5. FIREFIGHTING MEASURES | | |
| 5.1 | Fire & Explosion Hazards: | If involved i CO, CO ₂ , N | n a fire, this product may decompose at high temperatu $O_{x}).$ | ures to form toxic gases (e.g., | |
| 5.2 | Extinguishing Methods: | | n, CO ₂ , Dry Chemical | | |
| 5.3 | Firefighting Procedures: | equipment a runoff water | nders should wear eye protection. Structural fire fight and MSHA/NIOSH-approved self-contained breathing ap from entering storm drains, bodies of water, or other en r, rinse contaminated equipment with soapy water before | oparatus. If possible, prevent vironmentally sensitive areas. | |
| | | | 6. ACCIDENTAL RELEASE MEASU | IRES | |
| 6.1 | Spills: | Equipment (For <u>small s</u> equipment (container(s) areas and o | ning any spill or leak, individuals involved in spill cle PPE). <u>pills</u> (e.g., < 1 gallon (3.8 L)) or <u>large spills</u> (e.g., \geq 1 ga e.g., goggles, gloves). Remove spilled material with ab for disposal. Dispose of properly in accordance with loc putside of container with plenty of warm water and so perfore reuse. | allon (3.8 L)), wear appropriate personal psorbent material and place into appropria cal, state and federal regulations. Wash a | protective ate closed Il affected |
| | | 7 | . HANDLING & STORAGE INFORM | ATION | |
| 7.1 | Work & Hygiene Practices: | Do not eat, this product | drink, or smoke while handling this product. Upon comp , wash any exposed areas thoroughly with soap and wate | pletion of work activities involving large quart. | |
| 7.2 | Storage & Handling: | Use and sto heat and op | ore in a cool, dry, well-ventilated location (e.g., local exh | naust ventilation, fans). Keep away from | excessive |
| 7.3 | Special Precautions: | Spilled mate | erial may present a slipping hazard if left unattended. Clea | an all spills promptly. | |
| L | | | | | |



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| 8.1 | Exposure Limits: | | AC | GIH | | NOHSC | | | OSHA | | OTHER | | |
|--|--|---|--|--|--|---|---|----------|------------------------------------|--------------------------|--------------------------------|--|--|
| | ppm (mg/m ³) | CHEMICAL NAME(S) | TLV | STEL | ES-TWA | ES-STEL | ES-PEAK | PEL | STEL | IDLH | | | |
| 8.2 | Ventilation & Engineering Controls: | When working with large quant that an eyewash station, sink o | | | | | | | al exhau | ist ventila | ation, fans). Ensur | | |
| 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 direct eye contact. No quantities (e.g., ≥ 1 gallon) safe | ne req | uired ur | | | | When | handlii | ng large | | | |
| 8.5 | Hand Protection: | None required under normal c individuals. When handling gloves. | | | | | | | | | | | |
| 8.6 | Body Protection: | No apron required when handling small quantities. When handling large quantities (e.g., \geq 1 gallon), eye wash stations and deluge showers should be available. | | | | | | | | | | | |
| | | 9. PHYSICA | 18 | | | PROP | FRTIES | | | | | | |
| 9.1 | Appearance: | Translucent balm | | | | | | | | | | | |
| 9.2 | Odor: | Characteristic | | | | | | | | | | | |
| 9.2 | Odor Threshold: | | | | | | | | | | | | |
| 9.4 | pH: | NA | | | | | | | | | | | |
| 9.5 | Melting Point/Freezing Point: | NA NA | | | | | | | | | | | |
| 9.6 | Initial Boiling Point/Boiling | | | | | | | | | | | | |
| | Range: | NA | | | | | | | | | | | |
| 9.7 | Flashpoint: | NA | | | | | | | | | | | |
| 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: | NA | | | | | | | | | | | |
| 9.13 | Partition Coefficient (log Pow): | NA | | | | | | | | | | | |
| 9.14 | Autoignition Temperature: | NA | | | | | | | | | | | |
| 9.15 | Decomposition Temperature: | NA | | | | | | | | | | | |
| 9.16 | Viscosity: | NA | | | | | | | | | | | |
| 9.17 | Other Information: | NA | | | | | | | | | | | |
| | | 10. ST | ABI | | & REA | СТІУІТ | Y | | | | | | |
| 10.1 | Stability: | This product is stable. | | | | | | | | | | | |
| 10.2 | Hazardous Decomposition Products: | Oxides of carbon (CO, CO ₂) ar | nd nitro | gen (NO | x). | | | | | | | | |
| | | Will not occur. | | | | | | | | | | | |
| 10.3 | Hazardous Polymerization: | | | | | | | | Open flames, sparks and high heat. | | | | |
| 10.4 | Conditions to Avoid: | Open flames, sparks and high | heat. | | | | | | | | | | |
| | | | heat. | | | | | | | | | | |
| 10.4 | Conditions to Avoid: | Open flames, sparks and high Strong oxidizing agents. | |)GIC/ | AL INF | ORMA | TION | | | | | | |
| 10.4 10.5 | Conditions to Avoid: Incompatible Substances: | Open flames, sparks and high Strong oxidizing agents. 11. TOXIC | | DGIC | | | | | | Indestion. | VES | | |
| 10.4 | Conditions to Avoid: | Open flames, sparks and high Strong oxidizing agents. 11. TOXIC Inhalation: NO This product has NOT been te | COLC sted on | animal | Abs | sorption: YE | ES | licology | data, fo | Ingestion: bund in se | YES cientific literature, i | | |
| 10.4 10.5 11.1 | Conditions to Avoid: Incompatible Substances: Routes of Entry: | Open flames, sparks and high Strong oxidizing agents. 11. TOXIC Inhalation: NO This product has NOT been te available for some of the comp | COLC sted on | animal | Abs | sorption: YE | ES | ticology | data, fo | | | | |
| 10.4 10.5 11.1 11.2 | Conditions to Avoid: Incompatible Substances: Routes of Entry: Toxicity Data: | Open flames, sparks and high Strong oxidizing agents. 11. TOXIC Inhalation: NO This product has NOT been te | COLC sted on | animal | Abs | sorption: YE | ES | kicology | data, fo | | | | |
| 10.4 10.5 11.1 11.2 11.3 | Conditions to Avoid: Incompatible Substances: Routes of Entry: Toxicity Data: Acute Toxicity: | Open flames, sparks and high Strong oxidizing agents. 11. TOXIC Inhalation: NO This product has NOT been te available for some of the comp See Section 4.4 | COLC sted on | animal | Abs | sorption: YE | ES | ticology | data, fo | | | | |
| 10.4 10.5 11.1 11.2 11.3 11.4 | Conditions to Avoid: Incompatible Substances: Routes of Entry: Toxicity Data: Acute Toxicity: Chronic Toxicity: | Open flames, sparks and high Strong oxidizing agents. 11. TOXIC Inhalation: NO This product has NOT been te available for some of the comp See Section 4.4 See Section 4.5 | sted on | animal | Abs s to obtair | toxicology | ES y data. Tox | ticology | data, fo | | | | |
| 10.4 10.5 11.1 11.2 11.3 11.4 11.5 | Conditions to Avoid: Incompatible Substances: Routes of Entry: Toxicity Data: Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: | Open flames, sparks and high Strong oxidizing agents. 11. TOXIC Inhalation: NO This product has NOT been te available for some of the comp See Section 4.4 See Section 4.5 NA This product is not reported to | sted on onents. | animal | Abs s to obtair ctive toxici | ty in huma | ES y data. Tox ns. | ticology | data, fo | | | | |
| 10.4 10.5 11.1 11.2 11.3 11.4 11.5 | Conditions to Avoid: Incompatible Substances: Routes of Entry: Toxicity Data: Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: | Open flames, sparks and high Strong oxidizing agents. Inhalation: NO This product has NOT been te available for some of the comp See Section 4.4 See Section 4.5 NA | cause r | animal: eproduce emutag | Abs s to obtain stive toxici enic effect | ty in huma | ES y data. Tox ns. ns. | ticology | data, fo | | | | |
| 10.4 10.5 11.1 11.2 11.3 11.4 11.5 | Conditions to Avoid: Incompatible Substances: Routes of Entry: Toxicity Data: Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: | Open flames, sparks and high Strong oxidizing agents. 11. TOXIC Inhalation: NO This product has NOT been te available for some of the comp See Section 4.4 See Section 4.5 NA This product is not reported to This product is not reported to | sted on onents. cause r produce | animals eproduc e mutag e embry | Abs s to obtain stive toxici enic effect otoxic effe | ty in huma scin huma | ES y data. Tox ns. ns. ans. | ticology | data, fo | | | | |
| 10.4 10.5 11.1 11.2 11.3 11.4 11.5 | Conditions to Avoid: Incompatible Substances: Routes of Entry: Toxicity Data: Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: | Open flames, sparks and high Strong oxidizing agents. 11. TOXIC Inhalation: NO This product has NOT been te available for some of the comp See Section 4.4 See Section 4.5 NA This product is not reported to This product is not reported to This product is not reported to | sted on onents. cause r produce produce cause t | animals eproduce e mutag e embry eratoge | Abs s to obtain stive toxici enic effect otoxic effe | ty in huma is in huma is in huma in humans | ES y data. Tox ns. ns. ans. ans. s. | cicology | data, fo | | | | |
| 10.4 10.5 11.1 11.2 11.3 11.4 11.5 | Conditions to Avoid: Incompatible Substances: Routes of Entry: Toxicity Data: Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: | Open flames, sparks and high Strong oxidizing agents. 11. TOXIC Inhalation: NO This product has NOT been te available for some of the comp See Section 4.4 See Section 4.5 NA This product is not reported to This product is not reported to | sted on onents. cause r produce produce cause t | animals eproduce e mutag e embry eratoge | Abs s to obtain stive toxici enic effect otoxic effe | ty in huma is in huma is in huma in humans | ES y data. Tox ns. ns. ans. ans. s. | ricology | data, fo | | | | |
| 10.4 10.5 11.1 11.2 11.3 11.4 11.5 11.6 | Conditions to Avoid: Incompatible Substances: Routes of Entry: Toxicity Data: Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity; | Open flames, sparks and high Strong oxidizing agents. 11. TOXIC Inhalation: NO This product has NOT been te available for some of the comp See Section 4.4 See Section 4.5 NA This product is not reported to This product is not reported to | sted on onents. cause r produce produce cause t | animals eproduce e mutag e embry eratoge | Abs s to obtain stive toxici enic effect otoxic effe | ty in huma is in huma is in huma in humans | ES y data. Tox ns. ns. ans. ans. s. | ricology | data, fo | | | | |



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| | | 12. ECOLOGICAL I | NEODMATION |
|------|--------------------------------------|--|--|
| 12.1 | Environmental Stability: | T2. ECOLOGICAL I | |
| 12.2 | Effects on Plants & Animals: | There is no specific data available for this produc | |
| 12.3 | Effects on Aquatic Life: | | . There is no specific data available for this product. |
| | | 13. DISPOSAL CON | SIDERATIONS |
| 13.1 | Waste Disposal: | Dispose of in accordance with federal, state and | local regulations. |
| 13.2 | Special Considerations: | NA | |
| | · | | |
| | | 14. TRANSPORTATIO | N INFORMATION |
| | | proper shipping name, hazard class & division, packing g | roup) is shown for each mode of transportation. Additional descriptive information |
| | | /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 | |
| 15.1 | SARA Reporting | | bject to SARA Title III, section 313 reporting requirements. |
| | Requirements: | | |
| 15.2 | SARA Threshold Planning Quantity: | There are no specific Threshold Planning Quantit | lies 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 sec (Cosmetics). | ctions of the Food and Drug Administration's 21 CFR Subchapter G, |
| 15.6 | Other Canadian Regulations: | | e hazard criteria of the CPR and the SDS contains |
| | | all of the information required by the CPR. T DSL/NDSL. None of the components of this prod | he components of this product are listed on the |
| 15.7 | State Regulatory Information: | criteria lists: California Proposition 65 (CA65), I List (FL), Massachusetts Hazardous Substances Substances List (MN), New Jersey Right-to-Kno Right-to-Know List (PA), Washington Permissible | Acentration of 1.0% or greater, are listed on any of the following state Delaware Air Quality Management List (DE), Florida Toxic Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous w List (NJ), New York Hazardous Substances List (NY), Pennsylvania Exposures List (WA), Wisconsin Hazardous Substances List (WI). |
| 15.8 | Other Requirements: | This product does not contain any chemicals kno For more information go to <u>www.P65Warnings.ca</u> | wn to the State of California to cause cancer or other reproductive harm. a.gov |
| | | 16. OTHER INFO | ORMATION |
| 16.1 | Other Information: | | only as directed. Discontinue use immediately if irritation develops. If in inutes. Remove contact lenses, if present and easy to do. Continue persists. |
| 16.2 | Terms & Definitions: | See last page of this Safety Data Sheet. | |
| 16.3 | Disclaimer: | government regulations must be reviewed for ap knowledge, the information contained herein is completeness is not guaranteed and no warra information contained herein relates only to the s | OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other plicability to this product. To the best of ShipMate's & Famous Name's reliable and accurate as of this date; however, accuracy, suitability or anties of any type, either expressed or implied, are provided. The pecific product(s). If this product(s) is combined with other materials, all ta may be changed from time to time. Be sure to consult the latest |
| 16.4 | Prepared for: | Famous Names LLC 11897 Oakland Hills Dr Las Vegas, NV 89141 USA Tel: +1 (858) 779-1513 Toll Free: +1 (877) 235-1141 www.famousnamesproducts.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 | |



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REACTIVITY

SPECIAL PRECAUTIONS

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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:

| RTECS No. Registry of Toxic Effects of Chemical Substances Number | |
|---|------|
| EINECS No. European Inventory of Existing Commercial Chemical Substances Nu | mber |

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:

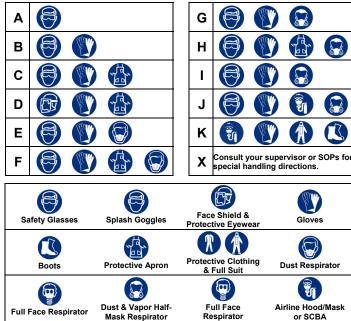
| | | Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body. |
|--|--|--|
|--|--|--|

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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

PERSONAL PROTECTION RATINGS:



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:

| 0 | Minimal Hazard | FLAMMABILITY |
|---------|-----------------|--------------|
| 1 | Slight Hazard | FLAMMADILITT |
| 2 | Moderate Hazard | |
| 3 | Severe Hazard | |
| 4 | Extreme Hazard | |
| ACD | Acidic | |
| ALK | Alkaline | |
| COR | Corrosive | |
| W | Use No Water | HEALTH |
| ох | Oxidizer | |
| TREFOIL | Radioactive | |

TOXICOLOGICAL INFORMATION:

| LD ₅₀ | Lethal Dose (solids & liquids) which kills 50% of the exposed animals |
|--|---|
| 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 effects |
| TC, TC _o , LC _{io} , & LC _o | |
| 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 | | | | |
| тс | 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) | | | | |
| WGK | Wassergefährdungsklassen (German Water Hazard Class) | | | | |

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

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|------------|-----------|-----------|----------|------------|------------|-----------|----------|
| 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:

| | | | \Diamond | | | | | |
|-----------|-----------|----------|-------------|-----------|-------|-----------------------|------------------|-------------|
| GHS01 | GHS02 | GHS03 | GHS04 | GHS05 | GHS06 | GHS07 | GHS08 | GHS09 |
| Explosive | Flammable | Oxidizer | Pressurized | Corrosive | Toxic | Harmful Irritating | Health Hazard | Environment |