



SAFETY DATA SHEET

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

SDS Revision: 1.1

SDS Revision Date: 3/3/2021

1. PRODUCT & COMPANY IDENTIFICATION

1.1	Product Name:	DAD'I SCRUB™ GOLD
1.2	Chemical Name:	Mixture of Sugar, Salt and Botanical Oils
1.3	Synonyms:	NA
1.4	Trade Names:	Famous Names – Dad'i Scrub™ Gold
1.5	Product Use:	Cosmetic Use Only
1.6	Distributor's Name:	Famous Names, LLC
1.7	Distributor's Address:	2808 Cowan Circle, Las Vegas, NV 89107 USA
1.8	Emergency Phone:	CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN 706492)
1.9	Business Phone / Fax:	+1 (858) 779-1513 / +1 (877) 235-1141

2. HAZARDS IDENTIFICATION

2.1	Hazard Identification:	Prepared in accordance with UN Globally Harmonized standards. Intended to comply with OSHA 29 CFR 1910.1200, Canadian WHMIS and Australian Work Health and Safety Standards. WARNING! MAY CAUSE AN ALLERGIC SKIN IRRITATION. CAUSES EYE IRRITATION. Classification: Skin Sens. 1B; Eye Irrit. 2B	
2.2	Label Elements:	Hazard Statements (H): H317 – May cause an allergic skin irritation. H320 – Causes eye irritation. Precautionary Statements (P): P264 – Wash thoroughly with soap and water after handling. P280 – Wear eye protection. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 – Specific treatment – see Section 4 of the Safety Data Sheet. P337+P313 If eye irritation persists: Get medical advice/attention. P332+P313 - If skin irritation or rash occurs: Get medical advice/attention. P362+P364 – Take off contaminated clothing and wash it before reuse. P501 – Dispose of contents/container in accordance with local/regional/national/international regulations.	
2.3	Other Warnings:	KEEP OUT OF REACH OF CHILDREN.	

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m ³)									OTHER
					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
CARTHAMUS TINCTORIUS (SAFFLOWER) OIL	120962-03-0	NA	NA	15-40	NA	NA	NF	NF	NF	NA	NA	NA		
SUCROSE	57-50-1	WN6500000	200-334-9	15-25	NA	NA	NF	NF	NF	NA	NA	NA		
SODIUM CHLORIDE	7647-14-5	VZ4725000	231-598-3	10-20	NA	NA	NF	NF	NF	NA	NA	NA		
COCOS NUCIFERA (COCONUT) OIL	8001-31-8	GG6040000	232-282-8	5-15	NA	NA	NF	NF	NF	NA	NA	NA		
PEG-7 GLYCERYL MONOCOCOATE	68201-46-7	MA6870000	NA	1-5	NA	NA	NF	NF	NF	NA	NA	NA		
SILICA	7631-86-9	EU8655000	231-545-4	1-5	NA	NA	NF	NF	NF	NA	NA	NA	Eye Irrit. 2A; STOT SE 3; H319, H335	
CITRUS AURANTIUM BERGAMIA (BERGAMOT) LEAF EXTRACT	NA	NA	NA	1-5	NA	NA	NF	NF	NF	NA	NA	NA		
UREA	57-13-6	NA	200-315-5	1.0-3.0	NA	NA	NF	NF	NF	NA	NA	NA		
ALLANTOIN	97-59-6	NA	202-592-8	1.0-3.0	NA	NA	NF	NF	NF	NA	NA	NA		
BOTANICAL OILS BLEND	NA	NA	NA	0.1-1	NA	NA	NF	NF	NF	NA	NA	NA		
PUMICE	1332-09-8	NA	310-127-6	0.1-1	NA	NA	NF	NF	NF	NA	NA	NA		
TOCOBIOL	NA	NA	NA	0.1-1	NA	NA	NF	NF	NF	NA	NA	NA		
SIMMONDSIA CHINENSIS (JOJOBA) SEED OIL*	61789-91-1	NY9262700	296-292-4	0.1-1	NA	NA	NF	NF	NF	NA	NA	NA		
PERSEA GRATISSIMA (AVOCADO) OIL *	8024-32-6	NA	232-428-0	0.1-1	NA	NA	NF	NF	NF	NA	NA	NA		
OLEA EUROPAEA (OLIVE) OIL*	8001-25-0	NA	232-277-0	0.1-1	NA	NA	NF	NF	NF	NA	NA	NA		
BENZYL ALCOHOL	100-51-6	ND3150000	202-859-9	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN	
LIMONENE	5989-27-5	GW6360000	227-813-5	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN	
LINALOOL	78-70-6	RG5775000	201-134-4	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN	
CITRAL	5392-40-5	RG5075000	226-394-6	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN	



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					ACGIH		NOHSC			OSHA				
					ppm		ppm			ppm				
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
AMYRIS BALSAMIFERA (AMYRIS BALSAM) BARK OIL	8015-65-4	NA	NA	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA		
ANTHEMIS NOBILIS (ROMAN CHAMOMILE) OIL	8015-92-7	NA	NA	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CINNAMYL ALCOHOL	104-54-1	GE220000	203-212-3	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN	
CITRONELLOL	106-22-9	UT2975000	203-375-0	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN	
	Skin Irrit. 2; Skin Sens. 1B; Eye Irrit. 2, H315, H317, H319													
CITRUS AURANTIUM DULCIS (ORANGE) PEEL OIL	8008-57-9	NA	616-926-9	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA		
	Flam. Liq. 3, Asp. Tox. 1, Skin Irrit. 2, Skin Sens. 1, Aq. Acute 1, Aq. Chronic 1; H226, H304, H315, H317, H400, H410													
CITRUS AURANTIFOLIA (LIME) PEEL OIL	90063-52-8	NA	NA	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA		
CITRUS LIMON (LEMON) PEEL OIL	8008-56-8	NA	NA	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA		
COPAIFERA OFFICINALIS (COPAIBA BALSAM) OIL	8001-61-4	NA	232-288-0	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA		
EUCALYPTUS GLOBULUS (EUCALYPTUS) OIL	8000-48-4	NA	NA	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA		
EUGENIA CARYOPHYLLUS (CLOVE) LEAF OIL	8015-97-2	NA	NA	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA		
EUGENOL	97-53-0	SJ4375000	202-589-1	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN	
	Skin Sens. 1; Eye Irrit. 2, H317, H319													
GERANIOL	106-24-1	RG5830000	203-377-1	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN	
	Skin Irrit.2; Skin Sens.1; Eye Dam.1, H315, H317, H318													
ILLICIMUM VERUM (STAR ANISE) OIL	8007-70-3	NA	NA	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA		
JUNIPERUS VIRGINIANA (CEDARWOOD) OIL	8000-27-9	NA	NA	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA		
LAVANDULA HYBRIDA (LAVANDIN) OIL	8022-18-2	NA	NA	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA		
RICINUS COMMUNIS (CASTOR) SEED OIL	8001-79-4	FI4100000	232-293-8	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA		
ROSMARINUS OFFICINALIS (ROSEMARY) OIL	8000-25-7	NA	NA	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA		
ZINGIBER OFFICINALE (GINGER) ROOT OIL	8007-08-7	NA	616-904-9	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA		
	Asp. Tox. 1, Skin Sens. 1, Aq. Chronic 2, H304, H317, H411													

4. FIRST AID MEASURES

4.1	First Aid:	<p>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.</p> <p>Eyes: If product is in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. If problem persists, consult a physician.</p> <p>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.</p> <p>Inhalation: Remove victim to fresh air at once.</p>													
4.2	Effects of Exposure:	<p>Ingestion: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression.</p> <p>Eyes: Direct contact may cause mild irritation to the eyes. Symptoms of overexposure may include redness, itching, irritation, and watering.</p> <p>Skin: May be irritating to skin in some sensitive individuals. The product can cause allergic skin reactions (e.g. rashes, welts, dermatitis) in some sensitive individuals.</p> <p>Inhalation: None expected.</p>													
4.3	Symptoms of Overexposure:	Symptoms of skin overexposure in individuals may include redness, itching, and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering.													
4.4	Acute Health Effects:	Mild to moderate irritation to eyes and skin near affected areas. Isopropylparaben, butylparaben, and isobutylparaben contained in very small amounts in this product may be sensitizers to some sensitive individuals.													
4.5	Chronic Health Effects:	None known.													
4.6	Target Organs:	Eyes, Skin													
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions.	<table border="1"> <tr> <td>HEALTH</td> <td>1</td> </tr> <tr> <td>FLAMMABILITY</td> <td>0</td> </tr> <tr> <td>PHYSICAL HAZARDS</td> <td>0</td> </tr> <tr> <td>PROTECTIVE EQUIPMENT</td> <td>B</td> </tr> <tr> <td>EYES</td> <td></td> </tr> <tr> <td>SKIN</td> <td></td> </tr> </table>	HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARDS	0	PROTECTIVE EQUIPMENT	B	EYES		SKIN	
HEALTH	1														
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5. FIREFIGHTING MEASURES

5.1	Fire & Explosion Hazards:	This product is non-flammable. However, if involved in a fire, this product may ignite and decompose to carbon monoxide, carbon dioxide and smoke.	
5.2	Extinguishing Methods:	Water Fog, Foam, Dry Chemical.	
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 personnel. 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 decomposition products.	

6. ACCIDENTAL RELEASE MEASURES

6.1	Spills:	<p>Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment.</p> <p>For <u>small spills</u> (e.g., <1 gallon) 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.</p> <p>For <u>large spills</u> ≥ 1 gallon, 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 drains, municipal sewers and open bodies of water.</p>
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7. HANDLING & STORAGE INFORMATION

7.1	Work & Hygiene Practices:	Avoid eye contact.
7.2	Storage & Handling:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use.
7.3	Special Precautions:	Spilled material may present a slipping hazard if left unattended. Clean all spills promptly.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Exposure Limits: ppm (mg/m ³)	ACGIH		NOHSC			OSHA			OTHER
		TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
	CHEMICAL NAME(S)									
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 or skin.								
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:	If anticipated that prolonged or repeated skin contact will occur while using or handling this product, wear latex or rubber gloves. 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

9.1	Appearance:	Viscous yellow paste of salt and sugar thickened oil
9.2	Odor:	Citrus fragrance
9.3	Odor Threshold:	ND
9.4	pH:	ND
9.5	Melting Point/Freezing Point:	NE
9.6	Initial Boiling Point/Boiling Range:	NA
9.7	Flashpoint:	NA
9.8	Upper/Lower Flammability Limits:	NE
9.9	Vapor Pressure:	NA
9.10	Vapor Density:	NA
9.11	Relative Density:	1.0400 -1.2000



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9. PHYSICAL & CHEMICAL PROPERTIES – cont'd

9.12	Solubility:	Soluble
9.13	Partition Coefficient (log P _{ow}):	NA
9.14	Autoignition Temperature:	ND
9.15	Decomposition Temperature:	NA
9.16	Viscosity:	1,000,000 - 3,000,000 cPs
9.17	Other Information:	NA

10. STABILITY & REACTIVITY

10.1	Stability:	Stable under ambient conditions when stored properly (See Section 7, Storage and Handling).
10.2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO ₂), nitrogen (NO _x) and sulfur (SO ₂).
10.3	Hazardous Polymerization:	Will not occur
10.4	Conditions to Avoid:	Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks, flame.
10.5	Incompatible Substances:	None known.

11. TOXICOLOGICAL INFORMATION

11.1	Routes of Entry:	Inhalation: NO	Absorption: YES	Ingestion: YES
11.2	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components of this product, but is not presented in this document.		
11.3	Acute Toxicity:	See Section 4.4		
11.4	Chronic Toxicity:	See Section 4.5		
11.5	Suspected Carcinogen:	No		
11.6	Reproductive Toxicity:	This product is not reported to produce reproductive toxicity in humans.		
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.		
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.		
	Teratogenicity:	This product is not reported to cause teratogenic effects in humans.		
	Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.		
11.7	Irritancy of Product:	See Section 4.3		
11.8	Biological Exposure Indices:	NE		
11.9	Physician Recommendations:	Treat symptomatically.		

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal:	Waste disposal must be in accordance with appropriate Federal, state, and local regulations.
13.2	Special Considerations:	U.S. EPA Waste Number: D001 (characteristic - ignitable).

14. TRANSPORTATION INFORMATION

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

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



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15. REGULATORY INFORMATION

15.1	SARA Reporting Requirements:	This product does not contain any substances subject to SARA Title III, Section 313 reporting requirements.
15.2	SARA TPQ:	There are no specific Threshold Planning Quantities for the components of this product.
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory or are otherwise exempt.
15.4	CERCLA Reportable Quantity:	NA
15.5	Other Federal Requirements:	This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. WHMIS D2B (Other Toxic Effects) 
15.7	State Regulatory Information:	<u>Sucrose</u> is listed on the following state criteria lists: Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), Pennsylvania Right-to-Know List (PA), and Washington Permissible Exposures List (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 does not contain any chemicals known to the State of California to cause cancer or other reproductive harm. For more information go to www.P65Warnings.ca.gov .

16. OTHER INFORMATION

16.1	Other Information:	WARNING! MAY CAUSE AN ALLERGIC SKIN IRRITATION. CAUSES EYE IRRITATION. Use only as directed. Discontinue use immediately if irritation develops. Wash thoroughly with soap and water after handling. If skin irritation or rash occurs: Get medical advice/ attention. Wear eye protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Specific treatment – see Section 4 of the Safety Data Sheet. Take off contaminated clothing and wash it before reuse. Store in a cool place. KEEP OUT OF REACH OF CHILDREN.	
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.	
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & Famous Names, LLC'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:	Famous Names LLC 2808 Cowan Circle Las Vegas, NV 89107 USA Tel: +1 (858) 779-1513 Toll Free: +1 (877) 235-1141 www.famousnamesproducts.com	 FAMOUS NAMES LLC
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	 ShipMate® Dangerous Goods Training & Consulting



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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:

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.
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HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A	
B	
C	
D	
E	
F	

G	
H	
I	
J	
K	
X	Consult your supervisor or SOPs for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Protective Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

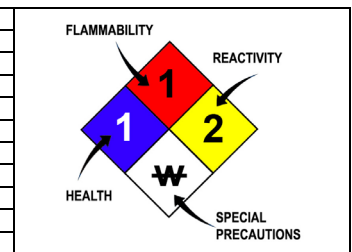
Carc	Carcinogenic
Irrit	Irritant
NA	Not Available
NR	No Results
ND	Not Determined
NE	Not Established
NF	Not Found
SCBA	Self-Contained Breathing Apparatus
Sens	Sensitization
STOT RE	Specific Target Organ Toxicity – Repeat Exposure
STOT SE	Specific Target Organ Toxicity – Single Exposure

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
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	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 ₁₀	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₁₀ , LD ₁₀ , & LD ₀₁ or TC, TC ₀₁ , LC ₁₀ , & LC ₀₁	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL _m	Median threshold limit
log K _{ow} or log K _{oc}	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)
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