SAFETY DATA SHEET

Page 1 of 7

SDS-007 Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 3.2 SDS Revision Date: 4/12/2018 1. PRODUCT & COMPANY IDENTIFICATION Product Name: OPI ARTIFICIAL NAIL REMOVER Chemical Name: 12 Acetone Solution 1.3 Synonyms NA 1.4 Trade Names AL601, AL604, AL606 1.5 Product Use: Professional or Sundry Use Only 1.6 Distributor's Name OPI Products, Inc. 1.7 Distributor's Address: 4500 Park Granada Blvd, Calabasas, CA 91302 USA 1.8 Emergency Phone: CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN 16377) 1.9 Business Phone / Fax: Tel: +1 (818) 999-5112 2. HAZARDS IDENTIFICATION Hazard Identification: This product is classified as a hazardous substance and as dangerous goods according to the classification criteria of NOHSC: 1008 (2004) and ADG Code (Australia). DANGER! HIGHLY FLAMMABLE LIQUID AND VAPOR. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Classification: Flam. Liq. 2; Eye Irrit. 1A; STOT SE 3 2.2 Label Elements: Hazard Statements (H): H225 - Highly flammable liquid and vapor. H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness. Precautionary Statements (P): P210 - Keep away from heat/sparks/open flame/hot surfaces - No Smoking. P233 - Keep container tightly closed. P243 - Take precautionary measures against static discharge. P261 - Avoid breathing fume/mist/vapors/spray. P264 - Wash exposed skin areas thoroughly with soap and water after handling. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves/eye protection/face protection. P302+P352 - IF ON SKIN: Wash with soap and water. P305+P351+P338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do continue rinsing. P333+P313 - If skin irritation or a rash occurs - Get medical advice/attention. P321 - For specific first aid treatment (See Section 4 of this Safety Data Sheet). P363 - Wash contaminated clothing before reuse. P370+P378 - In case of fire, CO2, Halon (if permitted), dry chemical, or foam for extinction. P403+P235 - Store in a well-ventilated place. Keep cool. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF). Other Warnings: KEEP OUT OF REACH OF CHILDREN. 3. COMPOSITION & INGREDIENT INFORMATION

					EXPOSURE LIMITS IN AIR (mg/m³)								
					ACGIH ppm			NOHSC			OSHA		
							ppm			ppm			
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES- TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	OTHER
ACETONE	67-64-1	AL3150000	200-662-2	60-100	500	750	(500)	1185	NF	1000	NA	2500	NIOSH 590
ACETONE	Flam. Liq. 2; Ey	ye Irrit. 2; STOT S	SE 3; H225, H31	9, H336									
ETHYLHEXYL PALMITATE	29806-73-3	RT4740000	249-862-1	5-10	NA	NA	NF	NF	NF	NA	NA	NA	
PERSEA GRATISSIMA (AVOCADO) OIL	8024-32-6	CL2680000	232-428-0	0.11	NA	NA	NF	NF	NF	NA	NA	NA	
ETHYLHEXYL METHOXYCINNAMATE	5466-77-3	UD3392732	226-775-7	0.11	NA	NA	NF	NF	NF	NA	NA	NA	
SIMMONDSIA CHINENSIS (JOJOBA) SEED OIL	90045-98-0	NY9262700	296-292-4	011	NA	NA	NF	NF	NF	NA	NA	NA	
FRAGRANCE (PARFUM)	NA	NA	NA	0.11	NA	NA	NF	NF	NF	NA	NA	NA	
LECITHIN	8002-43-5	OG7565000	297-639-2	0.11	NA	NA	NF	NF	NF	NA	NA	NA	
METHYLPARABEN	99-76-3	DH2450000	202-785-7	0.1-1	NA	NA	NF	NF	NF	NA	NA	NA	
LIMONENE	138-86-3 Flam. Lig. 3; SI	CS8100000 kin Irrit. 2; Skin S	205-341-0 ens. 1; Acute Aq	0.1-1 . Tox. 1; Cl	NA nronic A	NA Ag. Tox.	NF 1; H22	NF 6, H31	NF 5, H317	NA , H400.	NA H410	NA	ALLERGEN
HEXYL CINNAMAL	101-86-0	GD6560000 Chronic Aq. Tox	202-983-3	0.1-1	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
CI 42090 (BLUE 1)	3844-45-9	BQ4725000	223-339-8	0.1-1	NA	NA	NF	NF	NF	NA	NA	NA	

SAFETY DATA SHEET

Page 2 of 7 **SDS-007**

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards

SDS Revision: 3.2

SDS Revision Date: 4/12/2018

			4. FIRST AID MEASURES						
4.1	First Aid:	Ingestion:	If ingested, do not induce vomiting! Contact the near number. Provide an estimate of the time at which the						
			substance that was swallowed.						
		Eyes:	If product gets in the eyes, flush with copious amounts c and close eyelid(s) to ensure thorough irrigation. Seek in seek immediate medical attention.						
		Skin:	If irritation occurs & product is on the skin, rinse thoroug washing of the affected area with plenty of soap and wat footwear and wash thoroughly before reuse. If irritation, immediately.	ter. Remo	ove all co	ontarr	ninated clo	thing,	including
		Inhalation:	Remove victim to fresh air at once. If breathing stops medical attention.	, perform	artificial	resp	iration. S	Seek ir	mmediate
4.2	Effects of Exposure:	Ingestion:	If product is swallowed, may cause nausea, vomiting depression.	g and/or	diarrhea	and	central n	ervous	s system
		Eyes:	The liquid may produce eye discomfort and is capable of transient eye inflammation, ulceration. The vapor is discovery irritation, possible corneal burns and eye damage. overexposure may include redness, itching, irritation and the state of the state o	omforting t Moderate	o the eye	e. Sp	lashes ma	y caus	se severe
		Skin:	May be irritating to skin, especially after prolonged contact (e.g., rashes, welts, dermatitis) upon prolonged or repeate	ct. The pi		n cau	use allergi	c skin	reactions
		<u>Inhalation</u> :	Vapors of this product may be moderately irritating to the system. Symptoms of overexposure can include coug breathing. Inhalation of concentrated vapors can ca drowsiness, dizziness, headaches, nausea). Odor may may occur.	hing, whe	ezing, n ral nervo	asal ous s	congestion system de	n, and pressi	difficulty ion (e.g.,
4.3	Symptoms of Overexposure:	Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.							
4.4	Acute Health Effects:	Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.							
4.5	Chronic Health Effects:		al may accentuate any pre-existing dermatitis condition. Mo , may be a mild allergen to some sensitive individuals.	ethylparat	en conta	ained	in very sr	nall ar	mounts in
4.6	Target Organs:		Respiratory System.						
4.7	Medical Conditions Aggravated by Exposure:			HEALTH					1
		target organ	is (eyes, skin, and respiratory system).	FLAMM					3
			<u> </u>	PHYSIC					0
			<u> </u>	PROTE			PMENT		В
				EYES	SKIN	<u> </u>			
			5. FIREFIGHTING MEASURES						
5.1	Fire & Explosion Hazards:		HIGHLY FLAMMABLE LIQUID AND VAPOR! Keep awaren flame. Keep container closed.	ay from h	eat, lit c	igare	ttes,		
5.2	Extinguishing Methods:		(if permitted), Dry Chemical, Foam, as authorized.						
5.3	Firefighting Procedures:	This production and decompart travel to a second protective experience of the second protective experience of the second production and the second p	It is a Class IB flammable liquid. When involved in a fire, the cose to produce carbon oxides. Vapors of this product are ource of ignition and flash back to a leaking or open contained and the control of the control	e heavier er. must wea	than air	and i	may full	1	0
			7040. 01.1/L				1		

9 10

9 11

9.12

Vapor Density:

Solubility

Relative Density:

NA

0.79

Soluble in water

SAFETY DATA SHEET

Page 3 of 7

SDS-007 Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 3.2 SDS Revision Date: 4/12/2018 6. ACCIDENTAL RELEASE MEASURES Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate PPE. Spills For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Use ONLY non-sparking tools for recovery and cleanup. 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. 7. HANDLING & STORAGE INFORMATION Work & Hygiene Practices: 7 1 Avoid prolonged contact with the product. Avoid breathing vapors of this product. Use in a well-ventilated location (e.g., local exhaust ventilation, fans). After use, wash hands and exposed skin with soap and water. Do not eat, drink or smoke while handling product. 7.2 Storage & Handling: Keep this material away from heat, sparks and open flame. Open containers slowly on a stable surface. Keep container closed tightly when not in use. Empty container may contain residual amounts of this product; therefore, empty containers should be handled with care. Store containers in a cool, dry location, away from direct sunlight, other light sources, or sources of intense heat. Store away from incompatible materials (See Section 10). 7.3 Special Precautions: Open containers slowly on a stable surface. Keep container tightly closed when not in use. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION ACGIH NOHSC OTHER ppm (mg/m³) FS-CHEMICAL NAME(S) STEL PEL STEL IDLH TLV STEL PEAK TWA **ACETONE** 500 750 (500)1185 NF 1000 NA 2500 NIOSH 590 8.2 Ventilation & Engineering When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans). Controls Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes Respiratory Protection: 8.3 No special respiratory protection is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia. Eve Protection: Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants. Hand Protection: 8.5 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 EU member states. 8.6 Body Protection: However, no special body protection is required under typical circumstances of use and handling. If necessary, refer to appropriate standards of Canada, the EU member states, or U.S. OSHA. 9. PHYSICAL & CHEMICAL PROPERTIES 9.1 Appearance: Blue translucent liquid 9.2 Odor Melon-like odor 9.3 Odor Threshold: ND 94 NA Melting Point/Freezing Point: 9.5 NA 9.6 Initial Boiling Point/Boiling 56 °C (133 °F) Range: 97 Flashpoint NA Upper/Lower Flammability 9.8 2.6/12.8 9.9 Vapor Pressure: NA

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards

SAFETY DATA SHEET

SDS Revision: 3.2

Page 4 of 7 **SDS-007**

SDS Revision Date: 4/12/2018

9. PHYSICAL & CHEMICAL PROPERTIES - cont'd 9.13 Partition Coefficient (log Pow): NA 9.14 Autoignition Temperature 465 °C (869 °F) 9.15 Decomposition Temperature NA 9.16 Viscosity < 500 cPs Other Information: NA 10. STABILITY & REACTIVITY 10.1 Stability: Relatively stable under ambient conditions when stored properly. 10.2 Hazardous Decomposition If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic Products: gases (e.g., oxides of carbon & nitrogen). 10.3 Hazardous Polymerization: Will not occur. 104 Conditions to Avoid Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks, flame Incompatible Substances 10.5 Strong oxidizers, peroxides or strong acids. 11. TOXICOLOGICAL INFORMATION 11.1 Routes of Entry: Inhalation: YES Absorption: YES 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 the product and is presented below: Acetone: LD_{50} (oral, rat) = 5,800 mg/kg; LD_{50} (oral, mouse) = 3 mg/kg; LC_{50} (inh-6h, rat) = 50,100 ppm Acute Toxicity: 11.3 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 cause 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. 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. Releases of large volumes may be harmful or fatal to overexposed aquatic life. Aquatic toxicity data for components of this product are available, but are not presented in this Safety Data Sheet 13. DISPOSAL CONSIDERATIONS 13.1 Waste Disposal: Waste disposal must be in accordance with appropriate Federal, state, and local regulations Special Considerations: 13.2 U.S. EPA Waste Number: D001 (characteristic - ignitable)

SAFETY DATA SHEET

Page 5 of 7 **SDS-007**

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards

SDS Revision: 3.2

SDS Revision Date: 4/12/2018

Prepa	ITEU IO OSHA, ACC, ANSI, N	DRSC, WRINIS, GRS & 12/2/2006/EC Statidards SDS Revision. 3.2 SDS Revision Date. 4/12/2016
		14. TRANSPORTATION INFORMATION
		proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information ICAO, IMDG and the CTDGR.
14.1	49 CFR (GND):	UN1090, ACETONE SOLUTION, 3, II, (LTD QTY, IP VOL ≤ 0.5 L) or CONSUMER COMMODITY, ORM-D – until 12/31/2020
14.2	IATA (AIR):	CONSUMER COMMODITY, 9, ID8000 (≤ 0.5 L) UN1090, ACETONE SOLUTION, 3, II (> 0.5 L)
14.3	IMDG (OCN):	UN1090, ACETONE SOLUTION, 3, II, (LTD QTY, IP VOL ≤ 1.0 L)
14.4	TDGR (Canadian GND):	UN1090, ACETONE SOLUTION, 3, II, (LTD QTY, IP VOL ≤ 1.0 L)
14.5	ADR/RID (EU):	UN1090, ACETONE SOLUTION, 3, II, (LTD QTY, IP VOL ≤ 1.0 L)
14.6	SCT (MEXICO):	UN1090, ACETONA EN SOLUCIÓN, 3, II, (CANT. LTDA., (IP VOL ≤ 1.0 L)
14.7	ADGR (AUS):	UN1090, ACETONE SOLUTION, 3, II, (LTD QTY, IP VOL ≤ 0.5 L)
* This	product may also be shipped	d as an Excepted Quantity (Inner Package Volume ≤ 30 mL, Total Quantity ≤ 500 mL per Outer Package)
	T	15. REGULATORY INFORMATION
15.1	SARA Reporting Requirements:	This product contains Acetone, a substance subject to SARA Title III, Section 302 reporting requirements.
15.2	SARA Threshold Planning Quantity:	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 (RQ):	Acetone: 2,270 kg (5,000 lbs)
15.5	Other Federal Requirements:	This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).
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 B2, D2B (Flammable, Other Toxic Effects).
15.7	State Regulatory Information:	Acetone is listed on the following state criteria lists: Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), New Jersey Right-to-Know List (NJ), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), and Wisconsin Hazardous Substances List (WI). 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.

SAFETY DATA SHEET

Page 6 of 7 SDS-007

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 3.2 SDS Revision Date: 4/12/2018 16. OTHER INFORMATION DANGER! HIGHLY FLAMMABLE LIQUID AND VAPOR. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES 16.1 Other Information: EYE IRRITATION. Keep away from heat/sparks/open flame/hot surfaces - No Smoking. Keep container tightly closed. Take precautionary measures against static discharge. Avoid breathing fume/mist/vapors/spray. Wear protective gloves/eye protection/face protection. IF ON SKIN: Wash with soap and water. Avoid eye contact. IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs – Get medical advice/attention. Store in a well-ventilated place. Keep cool. KEEP OUT OF REACH OF CHILDREN. 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 & OPI's knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition. 16.4 Prepared for: OPI Products, Inc. 4500 Park Granada Blvd Calabasas, CA 91302 USA Tel: +1 (818) 999-5112 http://www.opi.com 16.5 Prepared by: ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700

http://www.shipmate.com

SAFETY DATA SHEET

Page 7 of 7 SDS-007

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards

SDS Revision: 3.2

SDS Revision Date: 4/12/2018

DEFINITION OF TERMS

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

GENERAL INFORMATION:

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

EXPOSURE LIMITS IN AIR:

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

FIRST AID MEASURES:

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

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

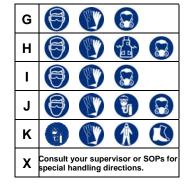
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



PERSONAL PROTECTION RATINGS:

Α			
В			
С		型	
D		型	
E			
F			

















Il 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

FLAMMABILI'	FLAMMABILITY LIMITS IN AIR:				
Autoignition Temperature					
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	
₩	Use No Water	
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
TL _m	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)				
WGK	Wassergefährdungsklassen (German Water Hazard Class)				

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

0	(*)	(2)	(3)	\odot	(18)		
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compress ed	Flammabl e	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

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

			\Diamond			\Diamond		1
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment