HARBOR FREIGHT TOOLS

Quality Tools at Reliculously Low Prices

Hazard Identification:

SAFETY DATA SHEET

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards

SDS Revision: 1.1

SDS Revision Date: 12/24/2015

1	PRODUCT	R COMP	ΔΝΥ ΙΓ	FNTIFIC	NOITA:

Product Name:	GORILLA® WOOD GLUE
Chemical Name:	Adhesive
Synonyms:	P/N 98561
Trade Names:	Gorilla®
Product Uses & Restrictions:	Adhesive
Distributor's Name:	Harbor Freight Tools USA, Inc.
Distributor's Address:	26541 Agoura Road, Calabasas, CA 91302 USA
Emergency Phone:	CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN 676687)
Business Phone / Fax:	+1 (805) 388-1000
	Chemical Name: Synonyms: Trade Names: Product Uses & Restrictions: Distributor's Name: Distributor's Address: Emergency Phone:

2. HAZARDS IDENTIFICATION

This product is classified as a hazardous substance but not as dangerous goods according to the

classification criteria of [NOHSC: 1088 (2004)] and ADG Code (Australia).

WARNING! CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION.

CAUSES SERIOUS EYE IRRITATION. MAY CAUSE RESPIRATORY IRRITATION.

Classification: Skin Irrit.2; Skin Sens. 1B; Eye Irrit. 2a; STOT SE 3

Hazard Statements (H): H315 – Causes skin irritation. H317 – May cause an allergic skin reaction. H319 – Causes serious eye irritation. H335 – May cause respiratory irritation.

Precautionary Statements (P): P261 – Avoid breathing fume/ mist/vapors/spray. P264 – Wash exposed skin areas thoroughly with soap and water after handling. P272 – Contaminated work

reaction. H319 – Causes serious eye irritation. H335 – May cause respiratory irritation. Precautionary Statements (P): 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/protective clothing/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. P403+P235 – Store in a well-ventilated place. Keep cool. P501 – Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).



3. COMPOSITION & INGREDIENT INFORMATION

					EXPOSURE LIMITS IN AIR (mg/m³)								
					AC	GIH		NOHSC	:		OSHA		
					p	om		ppm			ppm		
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES- TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	OTHER
MATER (ACHA/EALI)	7732-18-5	ZC0110000	231-791-2	45-55	NA	NA	NF	NF	NF	NA	NA	NA	
WATER (AQUA/EAU)													
POLYMER	NA	NA	NA	40-50	NA	NA	NF	NF	NF	NA	NA	NA	
NJTS#800986-5114P													
DOLY//INVL) ALCOLIO	25213-24-5	NA	NA	1-3	NA	NA	NF	NF	NF	NA	NA	NA	
POLY(VINYL) ALCOHOL	Eye Irrit. 2; H	319											
GLYCOL	NA	NA	NA	1-3	NA	NA	NF	NF	NF	NA	NA	NA	
NJTS#254504001-5684													
ALUMINUM CHLORIDE	7446-70-0	BD0525000	231-208-1	1-3	NA	NA	NF	NF	NF	NA	NA	NA	(2) NIOSH
ALOWINOW CHECKIDE	Skin Corr. 1B	; H314											
FORMALDEHYDE	50-00-0	LP8925000	200-001-8	0-0.1	(0.3)	10	2	2.5	2	0.75	10	NE	SENSITIZER
TORWALDETTIBL	Carc. 2; Acut	e Tox. 3 *; Acute 7	Tox. 3 *; Acute T	ox. 3 *; Skir	n Corr.	1B; Skir	n Sens.	1; H35	1, H331	I, H311	, H301,	H314,	H317
ACETALDEHYDE	75-07-0	AB19250000	200-836-8	0-0.1	NA	25	20	36	NF	200	NA	2000	
ACETALDENTDE	Flam. Liq. 1;	Carc. 2; Eye Irrit. 2	2; STOT SE 3; H	224, H351,	H319,	H335							
	75-56-9	TZ2975000	200-879-2	0-0.1	20	NA	20	48	NF	100	NA	400	
PROPYLENE OXIDE		Carc. 1B; Muta. 1 H302, H319, H33		; Acute Tox	κ. 4 *; A	cute To	x. 4 *; E	Eye Irrit	. 2; STO	OT SE	3; Skin	rrit. 2;	H224, H350, H340,

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.1 SDS Revision Date: 12/24/2015 4. FIRST AID MEASURES If ingested, do not induce vomiting. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the 4 1 First Aid: Ingestion: substance that was swallowed. Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water Eyes: for at least 15 minutes lifting upper and lower lids, occasionally. Wash thoroughly with soap and water. In case of contact, immediately flush skin with plenty of water for at Skin: least 15 minutes. Remove victim to fresh air at once. If breathing difficult, administer oxygen. If breathing stops give artificial Inhalation: respiration. Keep person warm, quiet and get medical attention. 42 Effects of Exposure: Ingestion: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression Eyes: Vapor of this product may be mildly to moderately irritation to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to skin in some sensitive individuals, especially after prolonged or repeated skin contact. Skin: May bond skin to clothing and release heat, causing burns. Inhalation of vapors is unlikely under normal conditions of use. Vapors of this product may be slightly Inhalation: irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion, and difficulty breathing. Inhalation of vapors exceeding the levels listed in Section 3 (Composition and Ingredient Information) can cause central nervous system depression (e.g., drowsiness, dizziness, headaches, nausea). 4.3 Symptoms of Overexposure: Symptoms of skin overexposure in some sensitive individuals may include redness, itching, and irritation of affected areas. Overexposure of vapor in eyes may cause redness, itching and watering. 4.4 Acute Health Effects: Mild to moderate irritation to skin near affected areas. Vapor of this product may be mildly to moderately irritating to the eyes and mucous membranes. Symptoms of overexposure may include redness, itching, irritation and watering. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea. Chronic Health Effects: 4.5 None known. 4.6 Target Organs: Eyes, Skin, Respiratory System. Medical Conditions 47 Pre-existing dermatitis, other skin conditions, and disorders of the **HEALTH** 0 Aggravated by Exposure: target organs (eyes, skin, and respiratory) **FLAMMABILITY** 1 PHYSICAL HAZARDS 0 PROTECTIVE EQUIPMENT В **EYES** SKIN 5. FIREFIGHTING MEASURES 5.1 Fire & Explosion Hazards: This material can burn but will not readily ignite. However, if involved in a fire, this product may decompose at high temperatures to form toxic gases (e.g., CO, CO_X Hydrocarbons) 52 Extinguishing Methods: CO₂, Dry Chemical, Alcohol Foam, Dry Chemical. Use water spray to cool containers. 5.3 Firefighting Procedures: Keep containers cool until well after the fire is out. Fight fires as for surrounding materials. 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 fireexposed surfaces and to protect personal. Fight fire upwind. Avoid spraying water directly into storage containers because of danger of boil-over. 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 combustion or decomposition products and oxygen deficiencies. 6. ACCIDENTAL RELEASE MEASURES 6.1 Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. 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 <u>large spills</u> (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.

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9.17

Other Information:

VOC: < 2.2% (24 g/L SCAQMD compliant)

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 12/24/2015 7. HANDLING & STORAGE INFORMATION Avoid prolonged or repeated skin contact. Avoid breathing vapors of this product. Use eye protection when using this 7.1 Work & Hygiene Practices: product. Use in a well-ventilated location (e.g., local exhaust ventilation, fans). After use, wash hands and exposed skin with soap & water. Do not eat, drink or smoke while handling product. Open containers slowly on a stable surface. Keep container closed tightly when not in use. Empty container may 7.2 Storage & Handling: 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, Stability and Reactivity). Open containers slowly on a stable surface. Keep container tightly closed when not in use. Empty containers may 7.3 Special Precautions: contain residual amounts of this product; therefore, empty containers should be handled with care 8. EXPOSURE CONTROLS & PERSONAL PROTECTION Exposure Limits: ACGIH NOHSC OSHA OTHER ppm (mg/m³) CHEMICAL NAME(S) TI V STEL ES-TWA ES-STEL **ES-PEAK** STFI IDLH ALUMINUM CHLORIDE (2) NIOSH NA NA NF NF NF NA NA NA SENSITIZER **FORMALDEHYDE** (0.3)10 2.5 0.75 10 NE **ACETALDEHYDE** 20 NF NA 25 36 200 NA 2000 PROPYLENE OXIDE 20 NA 20 48 NF 100 NA 400 8.2 Ventilation & Engineering General mechanical (e.g., fans) or natural ventilation is sufficient when this product is in use. Use local or general Controls: exhaust ventilation to effectively remove and prevent buildup of vapors or mist generated from the handling of this product. Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station). 8.3 Respiratory Protection: No special respiratory protection is required under typical circumstances of use or handling. In instances where mist or vapors 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. 8 4 Eve Protection: Safety glasses equipped with side shields should be adequate protection under most conditions of use. Wear goggles and/or face shield if splashing or spraying is anticipated. Wear goggles and face shield if material is heated above 125 °F (51 °C). Have suitable eye wash water available. 8.5 Hand Protection: Use gloves constructed of chemical resistant materials such as neoprene or heavy nitrile rubber if frequent or prolonged contact is expected. 8.6 Body Protection: Avoid prolonged and/or repeated skin contact. Use clean and impervious protective clothing (e.g. neoprene or Tyvek®). Protective clothing should include long-sleeves, apron, boots and additional facial protection. Contaminated leather goods should be removed promptly and discarded. 9. PHYSICAL & CHEMICAL PROPERTIES Light Tan Liquid. 9.1 Appearance 9.2 Odor: Mild to no odor. 9.3 Odor Threshold: NA 9.4 3.0 9.5 Melting Point/Freezing Point: NA Initial Boiling Point/Boiling 9.6 >100 °C (>212 °F) 9.7 Flashpoint > 93.4 °C (> 200.12 °F) CC 9.8 Upper/Lower Flammability NA Vapor Pressure: 99 18.620 mmHg @ 21 °C (70 °F) 9.10 Vapor Density: NA 9.11 Relative Density: 1.08 Solubility: 9.12 Dispersible in water Partition Coefficient (log Pow): 9.13 NA 9.14 **Autoignition Temperature** NA 9.15 **Decomposition Temperature** NA 9.16 Viscosity NA

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 12/24/2015 10. STABILITY & REACTIVITY 10.1 Stability Stable under normal conditions; unstable with heat or contamination. 10.2 Hazardous Decomposition Oxides of carbon (CO, CO₂). Products 10.3 Hazardous Polymerization: Will not occur. 10 4 Conditions to Avoid Open flames, sparks, high heat, incompatible substances and direct sunlight. 10.5 Incompatible Substances Avoid extreme heat and ignition sources, strong acids and alkalis, reactive metals and strong oxidizing agents. 11. TOXICOLOGICAL INFORMATION Ingestion: YES Routes of Entry: Inhalation: YES Absorption: YES 11.1 11.2 Toxicity Data: This product has not been tested on animals to obtain toxicological data. Toxicology data for some of the components in this mixture, found in scientific literature, are presented below: Formaldehyde: LD_{50} (oral, rat) = 5,682 mg/kg; LD_{50} (oral, mouse) = 7,300 mg/kg; LC_{50} (inh-6h, rat) = 64,000 ppm/4h Aluminum Chloride: LD₅₀ (oral, rat) = 370 mg/kg Acute Toxicity: 11.3 See section 4.4 Chronic Toxicity: 114 See section 4.5 Acetaldehyde is listed as ACGIH Group A3 (Confirmed animal carcinogen with unknown relevance to human); IARC 11.5 Suspected Carcinogen: Group 2B (Possibly carcinogenic to humans); NTP13 Group 2 (Reasonably Anticipated to be a Human Carcinogen); CA65 (cancer). Formaldehyde is listed as ACGIH Group A2 (Suspected human carcinogen); NIOSH (Occupational Carcinogen); NTP13 Group 2 (Reasonably Anticipated to be a Human Carcinogen); OSHA (Possible select carcinogen); CA65 (cancer). Propylene Oxide is listed as ACGIH Group A3 (Confirmed animal carcinogen with unknown relevance to human); IARC Group 2B (Possibly carcinogenic to humans); NTP13 Group 2 (Reasonably Anticipated to be a Human Carcinogen); CA65 (cancer) 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. Irritancy of Product: 117 The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure 11.8 Biological Exposure Indices: 11.9 Physician Recommendations: Treat symptomatically 12. ECOLOGICAL INFORMATION 12.1 Environmental Stability There is no specific data available for this product 12.2 Effects on Plants & Animals: There 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 Dispose of in accordance with federal, state, provincial and local regulations. 13.1 Waste Disposal: 13.2 Special Considerations: NA 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** IMDG (OCN): 14.3 NOT REGULATED TDGR (Canadian GND): 14.4 NOT REGULATED 14.5 ADR/RID (EU) NOT REGULATED 14.6 SCT (MEXICO): NOT REGULATED 14.7 ADGR (AUS): **NOT REGULATED** 15. REGULATORY INFORMATION 15.1 SARA Reporting This product contains Formaldehyde and Acetaldehyde, substances subject to SARA Title III, section 313 reporting Requirements: requirements SARA Threshold Planning 15.2 There are no specific Threshold Planning Quantities for the components of this product. Quantity: 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 Formaldehyde: 45.4 kg (100 lbs); Acetaldehyde: 454 kg (1,000 lbs); Propylene Oxide: 45.4 kg (100 lbs). Formaldehyde is listed as a Hazardous Air Pollutant (HAP). Formaldehyde is listed as a Toxic Pollutant under the Clean 15.5 Other Federal Requirements Water Act (CWA). None of the ingredients are listed as Priority Pollutants under the Clean Water Act (CWA). This product does not contain any Class 1 or Class 2 ozone depletors.

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.1 SDS Revision Date: 12/24/2015 15. REGULATORY INFORMATION – cont 15.6 Other Canadian Regulations: This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. Formaldehyde is listed on the Priorities Substances List. WHMIS D2B (Other Toxic Effects) 15.7 State Regulatory Information: Aluminum Chloride is found on the following state criteria list: Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), and Pennsylvania Right-to-Know List (PA). Formaldehyde is found on the following state criteria list: CA65, FL, NJ, PA, MA, and MN. Acetaldehyde is found on the following state criteria list: CA65, FL, MA, MN, NJ, WA and WI. No 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). WARNING: This product contains a substance(s) known to the state of California to cause cancer, birth defects or other reproductive harm. California No Significant Risk Level NOEL = 40 μg/day. 15.8 Other Requirements: The primary components of this product are listed in Annex I of EU Directive 67/548/EEC: Harmful (Xn) Risk Phrases (R): 36/37-40 - Irritating to eyes and skin. Limited evidence of carcinogenic effects. Safety Phrases (S): (2)-16-36/37 - Keep out of reach of children. Keep away from sources of ignition. No smoking. Wear suitable protective clothing and gloves. 16. OTHER INFORMATION WARNING! CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS 16.1 Other Information: EYE IRRITATION. MAY CAUSE RESPIRATORY IRRITATION. Use only as directed. Avoid breathing fume/ mist/vapors/spray. Wash exposed skin areas thoroughly with soap and water after handling. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN: Wash with soap and water. 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. Wash contaminated clothing before reuse. Store in a wellventilated place. Keep cool. KEEP LOCKED UP AND OUT OF REACH OF CHILDREN. WARNING: This product contains a substance(s) known to the state of California to cause cancer, birth defects or other reproductive harm. 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 & Harbor Freight Tools USA, Inc.'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: Harbor Freight Tools USA, Inc. 26541 Agoura Road **HARBOR FREIGHT TOOLS** Calabasas, CA 91302 USA Tel: +1 (805) 388-1000 http://www.harborfreight.com Prepared by: ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600

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SDS Revision Date: 12/24/2015

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					
EXPOSURE LIMITS IN AIR:						
ACGIH	American Conference on Governmental Industrial Hygienists					
С	Ceiling Limit					
ES	Exposure Standard (Australia)					
IDLH	Immediately Dangerous to Life and Health					
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

HMIS-III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



PERSONAL PROTECTION RATINGS:

TERSONAL TROTECTION RATINGS.								
Α								
В								
С								
D	图							
Е								
F								







Face Shield & Protective Eyewear

(Cy







Full Face Respirator

Dust & Vapor Half-Mask Respirator

Synthetic Apron

Full Face

Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

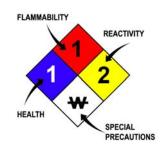
ML	Maximum Limit			
mg/m3	milligrams per cubic meter			
NA Not Available				
ND	Not Determined			
NE	Not Established			
NF	Not Found			
NR	No Results			
ppm	parts per million			
SCBA Self-Contained Breathing Apparatus				

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILI	FLAMMABILITY LIMITS IN AIR:								
Autoignition Minimum temperature required to initiate combustion in air with 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				
₩	Use No Water				
ОХ	Oxidizer				
TREFOIL	Radioactive				
TOVICOL COICAL INFORMATION.					



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals s
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD _{io}	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD _{Io} , LD _{Io} , & LD _o or	Lowest dose (or concentration) to cause lethal or toxic effects
TC, TC _o , LC _{lo} , & 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 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
NOHSC	National Occupational Health and Safety Commission (Australia)
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)
HMIS-III	National Paint & Coatings Association Hazardous Materials Identification System

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

World Exter in Extraord in the Extraord Extraord (Williams) of ore terms										
0	((2)		\odot	(4)		R			
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F			
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive			

EC (67/548/EEC) INFORMATION:

The Table		M	*			X	X	
С	E	F	N	0	Т	Xi	Xn	
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful	

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

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