HARBOR FREIGHT TOOLS

Quality Tools at Ridiculously Low Prices

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: 7/27/2015

1. PRODUCT & COMPANY IDENTIFICATIO	1.	PRODUCT	& COMPANY	IDENTIFICATION
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1. I RODOCT & COMITANT IDENTIFICATION				
Product Name:	INDUSTRIAL FIBER TIP MARKER			
Chemical Name:	NA NA			
Synonyms:	P/N 92925			
Trade Names:	Super Met-Al			
Product Uses & Restrictions:	Visible Marker			
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

2.1 Hazard Identification:

This product is classified as a HAZARDOUS SUBSTANCE and as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia).

WARNING! FLAMMABLE LIQUID AND VAPOR. HARMFUL IF IN CONTACT WITH SKIN OR IF INHALED.

Classification: Flam. Liq.3; Acute Tox. 4

<u>Hazard Statements</u> (H): H226 – Flammable liquid and vapor. H312+H332 – Harmful in contact with skin or if inhaled.

<u>Precautionary Statements</u> (P): P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 – Keep container tightly closed. P261 – Avoid breathing vapors. P271 – Use only outdoors or in a well-ventilated area. P280 – Wear protective gloves/ eye protection. P303 + P361 + P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P312 – Call a POISON CENTER/doctor if you feel unwell. P370 + P378 – In case of fire: Use CO₂, Halon (if permitted), Dry Chemical, Foam, as authorized, to extinguish. 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)									
					ACC	GIH		NOHSC			OSHA		
					pp	m		ppm			ppm		
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES- TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	OTHER
, ,	1330-20-7	ZE2100000		NA	100	150	80	350	655	100	150	900	
XYLENE	Flam. Liq 3; Ac	ute Tox. 4; Skin I	rrit. 2; H226, H3	12+H332, H	1 315								
TITANIUM DIOXIDE	13463-67-7	XR2275000	236-675-5	NA	10	NA	NF	NF	NF	5	NA	5000	
TTANIOW DIOXIDE													
RESIN	NA	NA	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA	
RESIN													
COLORANT	NA	NA	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA	<u>- </u>
COLORAINI													

4 FIRST AID MEASURES

			4. FIRST AID WEASURES
4.1	First Aid:	Ingestion:	DO NOT INDUCE VOMITING. Contact the nearest Poison Control Center or local emergency telephone number for assistance and instructions. Seek immediate medical attention. Do not induce vomiting. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.
		Eyes:	If product gets in the eyes, flush eyes thoroughly with copious amounts of water for at least 15 minutes, holding eyelid(s) open to ensure complete flushing. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
		Skin:	If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing, including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately.
		Inhalation:	Remove victim to fresh air at once. Under extreme conditions, if breathing stops, perform artificial respiration. Seek immediate medical attention.

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.1 SDS Revision Date: 7/27/2015 4. FIRST AID MEASURES - cont'd 42 Effects of Exposure: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system Ingestion: depression. Moderately irritating to the eyes. The vapor is discomforting to the eye. Symptoms of overexposure may Eyes: include redness, itching, irritation and watering. Skin: May be irritating to skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory Inhalation: system. Symptoms of overexposure can include coughing, wheezing, nasal congestion, and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, dizziness, headaches, nausea). Odor may give some warning of exposure, but odor fatigue may occur. The dried film of this product may become dust nuisance when removed by sanding or grinding. 4.3 Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. Prolonged or repeated contact may result in defatting and drying of the skin which may result in dermatitis. Overexposure in eyes may cause redness, itching and watering. Symptoms of inhalation may be evidenced by headache, dizziness, nausea and symptoms of intoxication. In extreme cases, unconsciousness and death. 44 Acute Health Effects: Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea. Chronic Health Effects: 4.5 The material may accentuate any pre-existing dermatitis condition. Inhalation of high concentration of this material can cause central nervous system depression and may be associated with cardiac arrhythmias. 4.6 Target Organs: Eyes, Skin, Respiratory System, Central Nervous System (CNS) Medical Conditions 4.7 Pre-existing dermatitis, other skin conditions, and disorders of the **HEALTH** 2 Aggravated by Exposure: target organs (eyes, skin) or impaired kidney function may be more **FLAMMABILITY** 3 susceptible to the effects of this substance. 0 PHYSICAL HAZARDS PROTECTIVE EQUIPMENT В **EYES** SKIN 5. FIREFIGHTING MEASURES WARNING! FLAMMABLE LIQUID AND VAPOR. Keep away from heat, hot surface, sparks, open Fire & Explosion Hazards: flames and other ignition sources. No smoking. Keep container tightly closed. Take action to prevent static discharges. If involved in a fire, this product may decompose at high temperatures to form toxic gases (e.g., CO, CO_X, Hydrocarbons). Extinguishing Methods: 5.2 CO₂, Dry Chemical, Alcohol Foam. 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 personnel. 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 Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective 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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SAFETY DATA SHEET HARBOR FREIGHT TOOLS HFT-92925 Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 7/27/2015 7. HANDLING & STORAGE INFORMATION 7 1 Work & Hygiene Practices: Do not eat, drink or smoke when handling this product. Handle as to avoid puncturing container(s). Wash unintentional residues with soap and warm water. Keep tightly closed when not in use. Avoid contact with skin and clothing 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 Exposure Limits: ACGIH NOHSC OSHA OTHER ppm (mg/m³) STEL ES-STEL STEL CHEMICAL NAME(S) TLV TWA PEAK PEL IDLH **XYLENE** 150 100 80 350 655 100 150 900 TITANIUM DIOXIDE 10 NF NF NA 5000 NA NF 5 8.2 No special respiratory protection is required under typical circumstances of use or handling. In instances where vapors Ventilation & Engineering Controls 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. Respiratory Protection: 8.3 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. 8 4 Eye Protection: 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. 8.5 Hand Protection: 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. 8.6 Body Protection: No special respiratory protection is required under typical circumstances of use or handling. 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. 9. PHYSICAL & CHEMICAL PROPERTIES 9 1 Appearance: Opaque thin viscosity liquid 92 Odor: Aromatic odor 9.3 Odor Threshold: NA 94 pH: NA 9.5 Melting Point/Freezing Point: NA Initial Boiling Point/Boiling 9.6 138.8-141 °C (282-286 °F) Range: 97 Flashpoint: 26.1 °C (79 °F) 98 Upper/Lower Flammability LEL: 1.1% / UEL: 6.4% (solvent portion) Limits: Vapor Pressure: 9.9 NA 9 10 Vapor Density: > 1 Relative Density: 9 11 > 1 9.12 Solubility: Negligible 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: VOC: 705 g/L 10. STABILITY & REACTIVITY

10.1	Stability:	Stable under normal conditions; unstable with heat or contamination.
10.2	Hazardous Decomposition Products:	Change in color signifies exposure to ultraviolet light or exceeding shelf life. Will not degrade to unstable products. Discard solution.
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. Store away from oxidizers, reducing agents, strong alkalis, and strong acids

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.1 SDS Revision Date: 7/27/2015 11. TOXICOLOGICAL INFORMATION Inhalation: YES 11.1 Routes of Entry: Absorption: YES Ingestion: YES This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is 112 Toxicity Data: available for some of the components of the product and is presented below: Xylene: LD₅₀ (oral, rat) 4,300 mg/kg. Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause 11.3 Acute Toxicity: drowsiness, dizziness, headaches and nausea This material may aggravate any pre-existing skin condition (e.g., dermatitis). 11.4 Chronic Toxicity: 11.5 Suspected Carcinogen: This product contains Xylene, IARC Group 3 (not classifiable as to its carcinogenicity to humans); ACGIH A4 (not classified as a human carcinogen). Titanium Dioxide, Group 2B carcinogen by IARC. This product contains Titanium Dioxide, not classified as a human carcinogen, ACGIH A4. 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 There is ample evidence that Xylene produces embryotoxicity and fetotoxicity in mice and rats 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: 11.7 The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. 11.8 Biological Exposure Indices: ΝE 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 Waste Disposal: 13.1 Dispose of in accordance with federal, state, provincial and local regulations 13.2 Special Considerations: 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. 49 CFR (GND): 14 1 CONSUMER COMMODITY, ORM-D - until 12/31/2020; or UN3175, SOLIDS CONTAINING FLAMMABLE LIQUIDS, N.O.S., (xylene), 3, II (LTD QTY, IP VOL ≤ 1.0 kg) * 14.2 IATA (AIR): UN3175, SOLIDS CONTAINING FLAMMABLE LIQUIDS, N.O.S., (xylene), 3, II (LTD QTY, IP VOL ≤ 1.0 kg) * IMDG (OCN): 14.3 UN3175, SOLIDS CONTAINING FLAMMABLE LIQUIDS, N.O.S., (xylene), 3, II (LTD QTY, IP VOL ≤ 1.0 kg) * UN3175, SOLIDS CONTAINING FLAMMABLE LIQUIDS, N.O.S., (xylene), 3, II 14.4 TDGR (Canadian GND): (LTD QTY, IP VOL ≤ 1.0 kg) * ADR/RID (EU): 14.5 UN3175, SOLIDS CONTAINING FLAMMABLE LIQUIDS, N.O.S., (xylene, 3, II (LTD QTY, IP VOL ≤ 1.0 kg) * SCT (MEXICO): 14 6 UN3175, SÓLIDOS QUE CONTIENEN LÍQUIDOS INFLAMABLES, N.E.P. (xileno), 3, II (CANT. LTDA., IP VOL ≤ 1.0 kg) * ADGR (AUS): 14 7 UN3175, SOLIDS CONTAINING FLAMMABLE LIQUIDS, N.O.S., (xylene), 3, II (LTD QTY, IP VOL ≤ 1.0 kg) * OTHER 14 7 * This product may also be shipped as an Excepted Quantity (Inner Package Volume ≤ 30 mL, Total Quantity ≤ 500 mL per Outer Package) This product may also be shipped as an Excepted Quantity (Inner Package Volume ≤ 30 mL, Total Quantity ≤ 500 mL per Outer Package)

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.1 SDS Revision Date: 7/27/2015 15. REGULATORY INFORMATION SARA Reporting This product contains Xylene, a substance subject to SARA Title III, Section 313 reporting requirements. Requirements 15.2 SARA Threshold Planning 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 Xylene: 45.4 kg (100 lbs) (RQ): 15.5 Other Federal Requirements None of the ingredients are listed as Hazardous Air Pollutants (HAPs). None of the ingredients are listed as Toxic Pollutants under the Clean 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. 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 Class B3, D2B (Flammable Liquid, Other Toxic Effects). State Regulatory Information: Xylene is found on the following state criteria list: 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) and Wisconsin Hazardous Substances List (WI). Titanium Dioxide is found on the following state criteria list: MA, MN, PA and 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: The primary components of this product are listed in Annex I of EU Directive 67/548/EEC: Xylene: Flammable, Harmful (F, Xn). Risk Phrases (R): 10-20/21-38 - Flammable. Harmful by inhalation and in contact with skin. Irritating to skin. Safety Phrases (S): 2-25 - Keep out of reach of children. Avoid contact with eyes. 16. OTHER INFORMATION WARNING! FLAMMABLE LIQUID AND VAPOR. HARMFUL IF IN CONTACT WITH SKIN OR IF INHALED. 16.1 Other Information: away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Avoid breathing vapors. Use only outdoors or in a well-ventilated area. Wear protective gloves/eye protection. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Call a POISON CENTER/doctor if you feel unwell. In case of fire: Use CO2, Halon (if permitted), Dry Chemical, Foam, as authorized, to extinguish. Store in a well-ventilated place. Keep cool. 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 & 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 Fax: +1 (310) 370-5700 http://www.shipmate.com

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SDS Revision Date: 7/27/2015

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	GIH 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:

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

HMIS-III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



PERSONAL PROTECTION RATINGS:

PERSONAL PROTECTION RATINGS.						
Α						
В						
С						
D						
E						
F						







(Ty Face Shield & Protective Eyewear











Full Face Respirator



Synthetic Apron

Mask Respirator

Full Face

Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

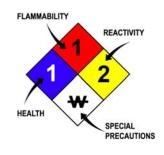
ML	Maximum Limit
mg/m3	milligrams per cubic meter
NA Not Available	
ND	Not Determined
NE	Not Established
NF Not Found	
NR No Results	
ppm parts per million	
SCBA Self-Contained Breathing Apparatus	

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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			
₩	Use No Water			
ОХ	Oxidizer			
TREFOIL	Radioactive			



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:

WORKE EACE TIALARDOOD MATERIALO IDENTIFICATION (WITIMIO) OTOTEM.								
0	((2)		\odot	(1)			
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 state of the s		M	*			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