

Page 1 of 6 **BC-020**

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 8/31/2015 NZ DISTRIBUTOR Steve's Wholesale Ltd. Units 5 - 7 / 408 The 1. PRODUCT & COMPANY IDENTIFICATION Esplanade BIRCHWOOD CASEY ® CLEANER DEGREASER 1.1 Product Name: Island Bay Wellington 6023 team@steveswholesale.nz 12 Chemical Name: Mixture **Emergency Contact: Steve Collings** 1.3 Synonyms 16225, GC11 0800 303 303 0274 905 708 1.4 Trade Names: Birchwood Casey ® Cleaner Degreaser Poison Control 0800 POISON (0800 764 76) 1.5 Product Uses & Restrictions: Cleaner Degreaser 1.6 Distributor's Name: Birchwood Casey 1.7 Distributor's Address 7887 Fuller Road, Suite #100, Eden Prairie, MN 55344 USA 1.8 **Emergency Phone** ChemTrec +1 (800) 424-9300 / +1 (703) 527-3887 or Poison Control Center +1 (866) 291-7152 1.9 Business Phone / Fax: +1 (952) 388-6717 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). DANGER! HIGHLY FLAMMABLE LIQUID AND VAPOR. CAUSES SERIOUS EYE IRRITAION. MAY BE HARMFUL IF SWALLOWED. Classification: Flam. Lig 2; Eye Irrit. 2; Acute Tox. Oral 5 Hazard Statements (H): H225 - Highly flammable liquid and vapor. H319 - Causes serious eye irritation Precautionary Statements (P): P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 - Keep container tightly closed. P264 - Wash thoroughly with soap and water after handling. P273 - Avoid release to the environment. P280 -Wear protective gloves/ eye protection. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor. P331 - Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persist: Get medical advice/attention. P370+P378 - In case of fire: Use Water, Foam, CO2, Dry Chemical to extinguish. P403+P235 - Store in a well-ventilated place. Keep cool. P501 - Dispose of contents/container through licensed treatment, storage or disposal facility. 3. COMPOSITION & INGREDIENT INFORMATION EXPOSURE LIMITS IN AIR (mg/m3) ACGIH NOHSC OSHA ppm ppm ppm FS-FS. FS-CHEMICAL NAME(S) TLV STEL STEL IDLH OTHER CAS No. RTECS No. EINECS No. TWA STEL PEAK PEL 7732-18-5 ZC0110000 60-100 NA NA NF NF NA NA 231-791-2 NF NA WATER (AQUA/EAU) NT8050000 10-25 400 500 983 | 1230 | NF 400 | 500 | 2000 | 400 67-63-0 200-661-7 ISOPROPYL ALCOHOL SE 3; H225, H319, H336 Flam. Liq. 2; Eye Irrit. 2; STOT NA NA BIODEGRADABLE SURFACTANT INA INA INA 3.0-13 NA NF NF NF NA NA BLEND (PROPRIETARY) VZ2275000 (2) NA NA (1) NIOSH 1303-96-4 NA 1.0-5.0 (2) (6) NF NF NF SODIUM TETRABORATE (BORAX) Skin Irrit. 2; Eye Damage 1; H315, H318 PYROPHOSPHORIC ACID. 7758-16-9 UX6475000 231-835-0 NA NA NE NE NE NA NA NA 1-5 DISODIUM SALT Acute Tox. Oral 5; H303 4. FIRST AID MEASURES 4.1 First Aid: DO NOT INDUCE VOMITING. Contact Poison Control Center +1 (866) 291-7152 or the nearest Poison Ingestion: Control Center or local emergency telephone number for assistance and instructions. Seek immediate medical attention. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration. If product gets in the eyes, flush eyes thoroughly with copious amounts of water for at least 15 minutes, Eyes: holding eyelid(s) open to ensure complete flushing. If the eyes or face become swollen during or following use, consult a physician or emergency room immediately. Remove contaminated clothing and wash affected areas with soap and water. If discomfort persists and/or Skin: the skin reaction worsens, contact a physician immediately. Do not wear contaminated clothing until after it has been properly cleaned. Inhalation: Remove victim to fresh air at once. Under extreme conditions, if breathing stops, perform artificial respiration. Seek immediate medical attention.



Page 2 of 6 **BC-020**

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 8/31/2015 4. FIRST AID MEASURES - cont'd 42 Effects of Exposure: If product is swallowed, may cause nausea, temporary gastrointestinal irritation. Vomiting and/or diarrhea. Ingestion: Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and Eyes: May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in Skin: some sensitive individuals. Inhalation: None expected. 4.3 Symptoms of Overexposure: Nausea, intestinal discomfort, vomiting and/or diarrhea. Ingestion: Eyes: Overexposure in eyes may cause redness, itching and watering. Skin: Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. Frostbite like symptoms. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some individuals. Non-irritating when used as directed. Moderate irritation to eyes and skin near affected areas. Additionally, high 4.4 Acute Health Effects concentrations of vapors can cause drowsiness, dizziness, headaches and nausea. Chronic Health Effects: 4.5 None reported by the manufacturer. 46 Target Organs: Eyes, Skin, Liver, Kidney, CNS Medical Conditions Aggravated by Exposure: Pre-existing dermatitis, other skin conditions, and disorders of the 4.7 HEALTH 2 target organs (eyes). **FLAMMABILITY** 3 PHYSICAL HAZARDS 0 PROTECTIVE EQUIPMENT В **EYES** SKIN 5. FIREFIGHTING MEASURES 5.1 Fire & Explosion Hazards: This product is not flammable. However, if involved in a fire, this product may decompose at high temperatures to form toxic gases (e.g., CO, CO_x). Extinguishing Methods: 5.2 Water, Foam, CO₂, Dry Chemical. Use water spray to cool unopened containers. 5.3 Firefighting Procedures: 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 fire-exposed 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 municipal sewers and open bodies of water. 7. HANDLING & STORAGE INFORMATION 7.1 Work & Hygiene Practices: 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. Storage temperature: 32-120 °F (0-49 °C). Take precautionary measures against static discharge. 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.



11.4

11.5

Chronic Toxicity

Suspected Carcinogen:

SAFETY DATA SHEET

Page 3 of 6 **BC-020**

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 8/31/2015 8. EXPOSURE CONTROLS & PERSONAL PROTECTION OTHER 8.1 Exposure Limits: ACGIH NOHSC OSHA ppm (mg/m³) CHEMICAL NAME(S) TLV STEL ES-TWA ES-STEL **ES-PEAK** PEL STEL **IDLH** ISOPROPYL ALCOHOL 400 500 400 500 NF 400 500 2000 400 TWA SODIUM TETRABORATE NF NF (2)(6)(2)NA NA (1) NIOSH (BORAX) 8.2 Ventilation & Engineering When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans). Ensure Controls: that an eyewash station, sink or washbasin is available in case of exposure to eyes 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. Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling this 8.4 Eye Protection: 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 & 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 E.C. member states. 8.6 Body Protection: No apron required when handling small quantities. When handling large quantities (e.g., ≥ 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water. 9. PHYSICAL & CHEMICAL PROPERTIES Pink liquid 9.1 Appearance 9.2 Alcohol odor 9.3 Odor Threshold: NA 9.4 9.76 Melting Point/Freezing Point: 9.5 NA Initial Boiling Point/Boiling 9.6 80 °C (176 °F) 9.7 Flashpoint: 29.4 °C (85 °F) CC Upper/Lower Flammability 9.8 LEL 2.0% / UEL 12.0% Vapor Pressure: 99 17 mm Hg 9.10 Vapor Density: > 1 Relative Density: 9.11 0.991 Solubility: 9.12 Miscible 9.13 Partition Coefficient (log Pow): NA Autoignition Temperature 9.14 NA Decomposition Temperature: 9.15 NA NA 9.17 Other Information: VOC: 20 %; Evaporation rate <1 (Ethyl Ether = 1) 10. STABILITY & REACTIVITY 10.1 Stability Relatively stable under ambient conditions when stored properly. If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic 10.2 Hazardous Decomposition Products: gases (e.g., oxides of carbon & nitrogen). 10.3 Hazardous Polymerization: 10.4 Conditions to Avoid Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks, flame. 10.5 Incompatible Substances: Strong oxidizers, peroxides or strong acids 11. TOXICOLOGICAL INFORMATION Inhalation: YES Absorption: YES Ingestion: YES 11.1 Routes of Entry: 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 not presented in this document. 11.3 Acute Toxicity: Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.

This material may aggravate any pre-existing skin condition (e.g., dermatitis).



Page 4 of 6 **BC-020**

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 8/31/2015 11. TOXICOLOGICAL INFORMATION - cont'd 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: The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. 11.8 Biological Exposure Indices NE 11.9 Physician Recommendations Treat symptomatically. 12. ECOLOGICAL INFORMATION 12 1 Environmental Stability: The components of this product will slowly degrade over time into a variety of organic compounds. environmental data available for the components of this product are as follows: Isopropyl Alcohol: Log K_{OW} = 0.05-0.14. Isopropyl alcohol occurs naturally; it is generated during microbial degradation of plant and animal wastes. When released on land or water, it is apt to volatilize and biodegrade. The estimated halflife in water is 5.4 days. Isopropyl Alcohol is not expected to bioconcentrate. 12 2 Effects on Plants & Animals There is no specific data available for this product. 12.3 Effects on Aquatic Life There is no specific data available for this product. 13. DISPOSAL CONSIDERATIONS 13.1 Waste Disposal: Review current local, state and federal laws, codes, statutes and regulations to determine current status and appropriate disposal method for the ingredients listed in Section 2. Any disposal practice must be in compliance with local, state, and federal laws and regulations. Contact the appropriate agency for specific information. Treatment, transport, storage and disposal of hazardous waste must be provided by a licensed facility or waste hauler. 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. 49 CFR (GND): UN1993, FLAMMABLE LIQUIDS, N.O.S. (ISOPROPANOL SOLUTION), 3, III (LTD QTY, IP VOL ≤ 5.0 L); or CONSUMER COMMODITY, ORM-D - until 01/01/2021 14.2 IATA (AIR) ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 0.5 L); or UN1993, FLAMMABLE LIQUIDS, N.O.S. (ISOPROPANOL SOLUTION), 3, III (LTD QTY, IP VOL ≤ 0.5 L) IMDG (OCN): 14.3 UN1993, FLAMMABLE LIQUIDS, N.O.S. (ISOPROPANOL SOLUTION), 3, III (LTD QTY, IP VOL $\leq 5.0 L$) TDGR (Canadian GND): 14.4 UN1993, FLAMMABLE LIQUIDS, N.O.S. (ISOPROPANOL SOLUTION), 3, III (LTD QTY, IP VOL \leq 5.0 L); or "LIMITED QUANTITY" or "QUANTITÉ LIMITÉE" or "LTD QTY" or "QUANT LTÉE" (IP VOL ≤ 1.0 L) ADR/RID (EU): 14.5 UN1993, FLAMMABLE LIQUIDS, N.O.S. (ISOPROPANOL SOLUTION), 3, III (LTD QTY, IP VOL $\leq 5.0 L$) 14.6 SCT (MEXICO): UN1993, LIQUIDOS, INFLAMABLES, N.E.P. (SOLUCION ISPORPOPANOL), 3, III (CANT. LTDA., IP VOL ≤ 5.0 L) 14.7 ADGR (AUS): UN1993, FLAMMABLE LIQUIDS, N.O.S. (ISOPROPANOL SOLUTION), 3, III (LTD QTY, IP VOL $\leq 5.0 L$) HSR002528 15. REGULATORY INFORMATION SARA Reporting 15.1 This product contains Isopropanol substances 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. 15.4 **CERCLA Reportable Quantity** NA (RQ): 15.5 Other Federal Requirements: NA 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. 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 B2



Page 5 of 6 **BC-020**

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 8/31/2015 15. REGULATORY INFORMATION – cont'd 15.7 State Regulatory Information: Isopropanol is found on the following state criteria lists: CA, MA, MN, NJ, PA, and WA. California OSHA Hazardous Substances List (CA), Massachusetts Hazardous Substances List (MA), Michigan, Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), 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: The primary components of this product are not listed in Annex I of EU Directive 67/548/EEC: Isopropanol: Flammable (F). Risk Phrases (R): 11-36/37 - Highly flammable. Irritating to eyes and respiratory system. Safety Phrases (S): 2-7-16-24/25/26 – Keep out of the reach of children. Keep container tightly closed. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. SW 01.12.2020 16. OTHER INFORMATION MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. FLAMMABLE LIQUID AND VAPOR. 16.1 Other Information: DANGER! TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. Use only as directed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Wash thoroughly with soap and water after handling. Avoid release to the environment. Wear protective gloves/ eye protection. IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. 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. In case of fire: Use Water, Foam, CO2, Dry Chemical to extinguish. Collect spillage. Store in a well-ventilated place. Keep cool. KEEP LOCKED UP AND 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 & Birchwood Casey'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: **Birchwood Casey** 7887 Fuller Road, Suite #100 Eden Prairie, MN 55344 USA Tel: +1 (952) 388-6701 Fax: +1 (952) 388/6702 http://www.birchwoodCasey.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



Page 6 of 6 **BC-020**

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

SDS Revision Date: 8/31/2015

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:

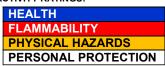
CAS NO.	Chemical Abstract Service Number				
EXPOSURE LIMITS IN AIR:					
ACGIH	American Conference on Governmental Industrial Hygienists				
С	Ceiling Limit				
ES	Exposure Standard (Australia)				
IDLH	Immediately Dangerous to Life and Health				
OSHA	U.S. Occupational Safety and Health Administration				
PEL	Permissible Exposure Limit				
STEL	Short-Term Exposure Limit				
TLV	Threshold Limit Value				
TWA	Time Weighted Average				

FIRST AID MEASURES:

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.

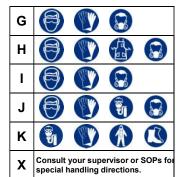
HMIS-III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



PERSONAL PROTECTION RATINGS:

Α		
В	(EL)	
С	(EL)	
D		
Е	(EV)	
F		















Full Face Respirator

Dust & Vapor Half-Mask Respirator

Full Face Respirator

Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

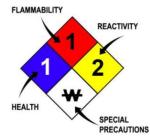
ML	Maximum Limit			
mg/m3	milligrams per cubic meter			
NA	Not Available			
ND	Not Determined			
NE	NE Not Established			
NF	Not Found			
NR	No Results			
ppm	parts per million			
SCBA	Self-Contained Breathing Apparatus			

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:					
Autoignition	Minimum temperature required to initiate combustion in air with no other				
Temperature	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 _{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 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:

0	((2)		\odot	(4)		
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:

FJ.		1	*			×	×
С	E	F	N	0	Т	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

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

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