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PBP-002 Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 4/1/2015 1. PRODUCT & COMPANY IDENTIFICATION 1.1 Product Name: **ABC BLACKENER** 1.2 Chemical Name: Acid Mixture 1.3 Synonyms 45910, 45911 1.4 Trade Names: ABC Blackener 1.5 Product Use: Blackening Solution for Non-Ferrous Metals 1.6 Distributor's Name: Precision Brand Products, Inc. 1.7 Distributor's Address: 2250 Curtiss Street, Downers Grove IL 60515 USA 1.8 **Emergency Phone** ChemTrec +1 (800) 424-9300 / +1 (703) 527-3887 or Poison Control Center +1 (855) 281-1742 1.9 Business Phone / Fax: +1 (630) 969-7200 / +1 (630) 969-0310 2. HAZARDS IDENTIFICATION Hazard Identification: 2.1 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! TOXIC IF SWALLOWED. MAY CAUSE SEVERE SKIN BURNS OR EYE DAMAGE. MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. Classification: Acute Toxicity-Inh 3; Skin Corrosion1B; STOT RE 1; Chronic Aquatic 1 Hazard Statements (H): H301 - Toxic if swallowed. H314 - Causes severe skin burns and eye damage. H373 - May cause damage to organs through prolonged or repeated exposure. H410 -Very toxic to aquatic life with long lasting effects. Precautionary Statements (P): P220 - Keep/Store away from clothing/ combustible materials. P273 - Avoid release to the environment. P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P501 - Dispose of contents/ container to an approved waste disposal plant. 3. COMPOSITION & INGREDIENT INFORMATION EXPOSURE LIMITS IN AIR (mg/m³) **ACGIH** NOHSC OSHA ppm ppm ES-ES-ES-CHEMICAL NAME(S) CAS No. RTECS No. EINECS No. TLV STEL TWA PEAK TLV STEL **IDLH** OTHER STEL 7732-18-5 ZC0110000 231-791-2 60-100 NE NE NE NE NF NF NF NE WATER 240-898-3 NA NA NF NA 16872-11-0 NA 10-30 NF NF NA NA FLUOBORIC ACID Acute Toxicity-Oral 3; Skin Corrosion 1A; Serious Eye Damage 1; H301, H314 (1) NA NF NF NF (1) NA 1000 7758-99-8 NA NA 5-10 CUPRIC SULFATE Acute Toxicity 4; H302 7783-00-8 VS7175000 231-974-7 1-5 (0.2) NA (0.2) NF NF (0.2) NA SELENIOUS ACID Acute Toxicity-Inh 3; Acute Toxicity-Oral 3; STOT-Repeated Exp 2; Acute Aquatic Toxicity 1; Chronic Aquatic Toxicity 1; H301, H331, H400, H410 (3) NF 7664-38-2 TB6300000 231-633-2 1-5 (1) NF NF NA NA 1000 PHOSPHORIC ACID Metal Corrosion 1; Skin Corrosion 1B; H290, H314 0.1-1 7786-81-4 QR9600000 232-104-9 (0.1) NA NF NF NF (1) NA Acute Toxicity 4; Skin Irritation 2; Skin Sensitization 1; Respiratory Sensitization 1; Mutagenic 2; Carcinogenic 1A; Reproductive Toxicity 1B; NICKEL SULFATE Specific Target Organ Toxicity - Repeated Exposure 1; Acute Aquatic Toxicity 1; Chronic Aquatic Toxicity 1; H302, H315, H317, H332, H334. H350i. H360D. H372. H400. H410 4. FIRST AID MEASURES First Aid: 4.1 DO NOT INDUCE VOMITING. Contact SafetyCall +1 (855) 281-1742 or the nearest Poison Control Ingestion: 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. 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. 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.

respiration. Seek immediate medical attention.

Inhalation:

Remove victim to fresh air at once. Under extreme conditions, if breathing stops, perform artificial



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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 4/1/2015 4. FIRST AID MEASURES - cont'd 42 Effects of Exposure: Severe or permanent eye damage. Eyes: Burns upon direct contact. Skin: Severe burns of mouth, throat, stomach. Ingestion: Inhalation: Severe irritation or burns in respiratory tract and mucous membranes. Possible lung damage 4.3 Symptoms of Overexposure: Eyes: Redness, burning, irritation, and swelling around eyes Skin: Redness, burning, itching, rash, blistering of skin. Nausea, vomiting, severe abdominal pain. Ingestion: Coughing, wheezing, swelling of throat, irritation in mucous membranes, difficulty breathing. 4.4 Acute Health Effects: May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. May be harmful if swallowed. Causes burns. May be harmful if absorbed through skin. 4.5 Chronic Health Effects: May damage the nervous system, kidney and/or liver. 4.6 Target Organs: Eyes, Skin, Nervous System, Kidneys, Liver, Respiratory System, Spleen, Blood Forming Organs, Bones. Medical Conditions Pre-existing dermatitis, other skin conditions, and disorders of the **HEALTH** 3 Aggravated by Exposure: target organs (eyes, skin, respiratory system, liver, blood-forming **FLAMMABILITY** 0 organs) or impaired kidney function may be more susceptible to the PHYSICAL HAZARDS 0 effects of this substance. PROTECTIVE EQUIPMENT Н **EYES** SKIN LUNGS 5. FIREFIGHTING MEASURES 5.1 Fire & Explosion Hazards: Non-flammable. May react with metals to release hydrogen gas, which can form explosive mixtures with air. May intensity fire; oxidizer. Extinguishing Methods: 5.2 Use fire-extinguishing media appropriate for surrounding materials. Firefighting Procedures: 5.3 As with any fire, firefighters should wear appropriate protective equipment including a MSHA/NIOSH approved or equivalent self-contained breathing apparatus (SCBA) and protective clothing. Fight fires as for surrounding materials. Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon, phosphorous, selenium and/or nitrogen, hydrocarbons and/or derivatives. Fire should be fought from a safe distance. 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. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. 6. ACCIDENTAL RELEASE MEASURES Spills Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment (PPE). Use safety glasses or safety goggles and face shield; use gloves and other protective clothing (e.g., apron, boots, etc.) to prevent skin contact. Small Spills: Wear appropriate protective equipment including gloves and protective eyewear. Use a non-combustible, inert material such as vermiculite or sand to soak up the product and place into a container for later disposal. Large Spills: Keep incompatible materials (e.g., organics such as oil) away from spill. Stay upwind and away from spill or release. Isolate immediate hazard area and keep unauthorized personnel out of area. Stop spill or release if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant. Recover as much free liquid as possible and collect in acid-resistant container. Use absorbent to pick up residue. Avoid discharging liquid directly into a sewer or surface waters. 7. HANDLING & STORAGE INFORMATION Work & Hygiene Practices: Avoid breathing mists or spray. Avoid eye and skin contact. Wear protective equipment when handling product. Keep out 7.1 of the reach of children. Do not eat, drink or smoke when handling this product. Wash thoroughly after handling. Do not expose to heat and flame. Use only in ventilated areas. Keep out of the reach of children. Immediately clean-up and decontaminate any spills or residues. 7.2 Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans) away from heat and direct sunlight. Store in acid-resistant containers. Keep containers covered when not in use. Avoid temperatures above 40 °C (120°F). Keep away from incompatible substances (see Section 10). Protect containers from physical damage Special Precautions: 7.3 Empty containers may retain hazardous product residues 8. EXPOSURE CONTROLS & PERSONAL PROTECTION Exposure Limits: ACGIH NOHSC OSHA OTHER ppm (mg/m³) CHEMICAL NAME(S) TLV STEL **ES-TWA** ES-STEL **ES-PEAK** PEL STEL IDLH **CUPRIC SULFATE** NF 1000 (1) NA NF NF (1) NA **SELENIOUS ACID** NF NF (0.2)NA (0.2)(0.2)NA NA PHOSPHORIC ACID (1) NF NF NA 1000 (3) NF NA NICKEL SULFATE (0.1)NA NF NF NF (1) NA 8.2 Ventilation & Engineering Use local or general 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



12.2

12.3

Effects on Plants & Animals:

Effects on Aquatic Life

No data available.

SAFETY DATA SHEET

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PBP-002 Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 4/1/2015 8. EXPOSURE CONTROLS & PERSONAL PROTECTION - cont'd 8.3 Respiratory Protection: 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. Eye Protection: 8.4 Safety glasses with side shields must be used when handling or using this product. A protective face shield is also recommended. 8.5 Hand Protection: Wear protective, chemical-resistant gloves (e.g., neoprene) when using or handling this product. 8.6 Body Protection: A chemical resistant apron and/or protective clothing are recommended when handling or using this product. 9. PHYSICAL & CHEMICAL PROPERTIES Clear, blue liquid 9.1 Appearance: 9.2 Odor Odorless 9.3 Odor Threshold: NA 9.4 pH: < 1.0 Melting Point/Freezing Point: 9.5 NA Initial Boiling Point/Boiling 9.6 > 100 °C (> 212 °F) Range: 9.7 Flashpoint: NA 9.8 Upper/Lower Flammability NA Vapor Pressure: 9.9 NA 9.10 Vapor Density: < 1.0 (air = 1.0)Relative Density: 9.11 1.099 Solubility 9.12 Complete (water) 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: Evaporation Rate: < 1.0 (ethyl ether = 1.0) 10. STABILITY & REACTIVITY 10 1 Stability: Stable at normal temperatures. 10.2 Hazardous Decomposition Reaction with organics and strong reducing agents can produce organoselenides and hydrogen selenide. Thermal Products: decomposition may produce selenium, nitrogen, phosphoric and copper oxides, and hydrogen fluoride gas 10.3 Hazardous Polymerization: Will not occur. 10.4 Conditions to Avoid: Excessive heat 10.5 Incompatible Substances: Cyanides, water-reactive substances, strong reducing agents, chlorinated cleaners or sanitizers, combustible organic materials, and most metals. 11. TOXICOLOGICAL INFORMATION Inhalation: YES Absorption: YES Ingestion: YES 11.1 Routes of Entry 11.2 Toxicity Data: Solution: LD₅₀ (oral, rat) = 1,030 mg/kg; Phosphoric Acid: LD₅₀ (oral, rat) = 1,530 mg/kg; LD₅₀ (oral, rat) = 4,640 mg/kg; Nickel Sulfate: LD_{50} (oral, rat) = 361 mg/kg; LC_{50} (4h, rat) = 2.48 mg/L 11.3 Acute Toxicity: See Section 2.4 11.4 Chronic Toxicity: See Section 2.5 11.5 Suspected Carcinogen: Nickel Sulfate is listed as a human carcinogen (IARC Group 1, NTP). 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 contains nickel sulfate, which is reported to cause teratogenic effects in humans. Reproductive Toxicity This product is not reported to cause reproductive effects in humans. 11.7 Irritancy of Product See Section 2.3 11.8 Biological Exposure Indices: NF 11.9 Physician Recommendations: Treat symptomatically 12. ECOLOGICAL INFORMATION 12.1 **Environmental Stability** No data available.

Very toxic to aquatic life with long lasting effects. Phosphoric Acid: EC₅₀ (Daphnia magna, 12h) = 4.6 mg/L



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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 4/1/2015 13. DISPOSAL CONSIDERATIONS Review current local, state and federal laws, codes, statutes and regulations to determine current status and appropriate Waste Disposal: 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 Hazardous Waste - Characteristic - Corrosive (D002), Characteristic - Toxic (D010) 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): UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, PHOSPHORIC ACID), 8, II, (LTD QTY, IP VOL ≤ 5.0 L) 14.2 IATA (AIR): UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, PHOSPHORIC ACID), 8, II, (LTD QTY, IP VOL \leq 0.5 L) 14.3 IMDG (OCN): UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, PHOSPHORIC ACID), 8, II, (LTD QTY, IP VOL \leq 5.0 L) TDGR (Canadian GND): 14.4 UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, PHOSPHORIC ACID), 8, II, (LTD QTY, IP VOL \leq 5.0 L) 14.5 ADR/RID (EU): UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, PHOSPHORIC ACID), 8, II, (LTD QTY, IP VOL ≤ 5.0 L) SCT (MEXICO): 14.6 UN3264, LIQUIDOS, CORROSIVOS, ACIDO, INORGANICO, N.E.P. (ACIDO SELENIO, ACIDO FOSFORICO), 8, II, (CANTIDAD LIMITADA, IP VOL ≤ 5.0 L) 14.7 ADGR (AUS): UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, PHOSPHORIC ACID), 8, II, (LTD QTY, IP VOL ≤ 5.0 L) 15. REGULATORY INFORMATION 15.1 SARA Reporting This product contains Selenious Acid, Cupric Sulfate and Phosphoric Acid, substances subject to SARA Title III, section 313 reporting requirements. SARA Threshold Planning 15.2 15.3 TSCA Inventory Status: The components of this product are listed on the TSCA Inventory. CERCLA Reportable Quantity 15.4 Selenious Acid: 10 lbs (4.54 kg); Cupric Sulfate: 10 lbs (4.54 kg); Phosphoric Acid: 5,000 lbs (2,270 kg) (RQ): Other Federal Requirements: NA 15.5 Other Canadian Regulations: 15.6 This product has been classified according to the hazard criteria of the CPR and the MSDS 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 E (Corrosive Material). WHMIS Class D1 (Materials Causing Immediate and Serious Toxic Effects). 15.7 State Regulatory Information: Selenious Acid is found on the following state criteria lists: Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), Pennsylvania Right-to-Know List (PA), and Wisconsin Hazardous Substances List (WI). Nickel Sulfate is found on the following state criteria lists: MA, and PA. Fluoboric Acid is found on the following state criteria lists: NJ. Phosphoric Acid is found on the following state criteria lists: FL, MA, MN, and PA. 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. Selenious Acid: Corrosive (C), Toxic (T). Risk Phrases (R): R35 - Causes severe burns. Safety Phrases (S): S1/2-7/9-24/25-26-28-46 - Keep locked up and out of the reach of children. Keep container tightly closed and in a well-ventilated place. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash with plenty of soap and warm water. If swallowed, seek medical advice

immediately and show this container or label.



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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 4/1/2015 16. OTHER INFORMATION Other Information: DANGER! TOXIC IF SWALLOWED. MAY CAUSE SEVERE SKIN BURNS OR EYE DAMAGE. MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. Keep/Store away from clothing/ combustible materials. Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. KEEP LOCKEDUP AND OUT OF REACH OF CHILDREN. Terms & Definitions: 16.2 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 & Precision Brand Products 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: Precision Brand Products, Inc. **PRECISION** 2250 Curtiss Street Downers Grove, IL 60515 USA Tel: +1 (630) 969-7200 Fax: +1 (630) 969-0310 http://www.precisionbrand.com 16.5 Prepared by: ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600

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SDS Revision: 1.3

SDS Revision Date: 4/1/2015

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 Abstra	act Service Number
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EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
С	Ceiling Limit
IDLH	Immediately Dangerous to Life and Health
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
TLV	Threshold Limit Value

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

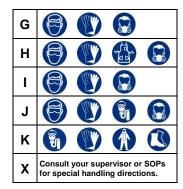
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



PERSONAL PROTECTION RATINGS:

Α			
В			
С		The state of the s	
D			
E			
F		The state of the s	





Splash Goggles





Synthetic Apron

Protective Clothing & Full Suit

Dust Respirator

Full Face Respirator

Dust & Vapor Half-Mask Respirator

Full Face Respirator

Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

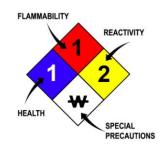
ML	Maximum Limit
NA	Not Available
ND	Not Determined
NE	Not Established
NF	Not Found
NR	No Results
SCBA	Self-Contained Breathing Apparatus

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 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)	(4)		\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:

		M	¥		® X	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			\		\(\frac{\psi}{2}\)
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment