

# Safety Data Sheet

## RINSEOUT

### SECTION 1- PRODUCT IDENTIFICATION

**PRODUCT NAME** : RINSEOUT  
**SYNONYMS** : Product is a mixture: No synonyms are available.  
**PRODUCT USE** : Mildly Acidic Material  
**SUPPLIER** : HYDRAMASTER CORP.  
**SUPPLIER'S ADDRESS** : 11015 47TH AVE W, MUKILTEO, WA 98275  
(425) 776-7272  
**EMERGENCY RESPONSE PHONE NUMBER** : PERS: 1-800-633-8253

### SECTION 2 – HAZARD IDENTIFICATION

#### CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

**GHS U.S. - CLASSIFICATION** : H301 Toxic if swallowed  
: H315 Causes skin irritation  
: H319 Causes serious eye irritation

**LABEL ELEMENTS** : **GHS – US HAZARD PICTOGRAMS** The product is classified and labeled according to the Globally Harmonized System (GHS).

#### HAZARD PICTOGRAMS



**SIGNAL WORD** : WARNING  
**HAZARD STATEMENTS (GHS-US)** : H301 Toxic if swallowed.  
: H315 Causes skin irritation.  
: H319 Causes serious eye irritation.

**PRECAUTIONARY STATEMENTS (GHS-US)** : P101 If medical advice is needed, have product container or label at hand.  
: P102 Keep out of reach of children.  
: P103 Read label before use.  
: P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
: P264 Wash skin and contaminated clothing thoroughly after handling.  
: P270 Do not eat, drink or smoke when using this product.  
: P280 Wear suitable protective gloves/protective clothing/eye protection/face protection.  
: P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
: P302+P352 : IF ON SKIN: Wash with plenty of soap and water.  
: P305+351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
: P332+P313 If skin irritation occurs: Get medical advice/attention.  
: P337+P313 If eye irritation persists: Get medical advice/attention.  
: P501 Dispose of contents/container in accordance with local /regional / national / international regulations.

**OSHA HAZARDS** : Target Organ Effect (Glycol Ether DPM)  
**TARGET ORGANS** : Kidney, Liver, Nerves (Glycol Ether DPM).

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**CLASSIFICATION SYSTEM** : NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme.  
**NFPA RATINGS (SCALE 0-4)** : Health = 2, Fire = 0, Reactivity = 0  
**HMIS RATINGS (SCALE 0-5)** : Health = 2, Fire = 0, Reactivity = 0

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

**CHEMICAL CHARACTERISTIC** : Mixtures  
**DESCRIPTION** : Mixture of the substances listed below with nonhazardous additions.

COMPONENT	PERCENT	CAS #	EC #	GHS CLASS
Dipropylene glycol methyl ether	1-5	34590-94-8	252-104-2	Eye Irrit: Cat 2B
Ammonium Hydrogen Difluoride	1-5	1341-49-7	215-676-4	Skin Corr Cat 1B, Eye Dam Cat 1 Acute Oral Toxicity Cat 3
Hydroxyacetic acid		79-14-1	201-180-5	Skin Irrit Cat 1B, Eye Dam Cat 1, Acute Tox Aquatic Cat3, Acute Tox Inhal & Oral Cat 4
Citric Acid		77-92-9	201-069-1	Skin Corr Cat 1C
Monsodium Phosphate		10049-21-5	231-449-2	Skin Irrit Cat 2, Eye Dam Cat 2A
Ethylenediamine Tetraacetate (EDTA)		64-02-8	200-573-9	Skin Irrit Cat 2, Eye Dam Cat 2A
Sodium Octane Sulfonate		5324-84-5	226-195-4	Skin Irrit Cat 2, Eye Irrit Cat 2A STOT SE Cat 3
Alcohol Ethoxylate		127087-87-0	500-315-8	Eye Dam Cat 1

Cat = Category, Corr = Corrosion, Irrit = Irritant, Dam = Damage, Tox = Toxicity, Inhal = Inhalation, STOT RE = Specific Target Organ Toxicity Repeated Exposure.

### SECTION 4 – FIRST AID MEASURES

#### DESCRIPTION OF FIRST AID MEASURES

**GENERAL** : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice. Show the label where possible.

**EYE CONTACT** : Immediately flush eyes with water for at least 15 minutes. Hold eyelids open to ensure adequate flushing. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediate call a POISON CENTER or doctor/physician.

**SKIN CONTACT** : Remove contaminated clothing and shoes. Wash affected skin area with soap and water. Delayed skin damage is possible if product is not completely washed off. If irritation persists, get immediate medical attention.

**SWALLOWING (INGESTION)** : If ingested, dilute swallowed material by drinking water. DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. Never give anything by mouth to an unconscious person. Get immediate medical attention.

**INHALATION** : Remove to fresh air. If symptoms persist, get immediate medical attention.

**OTHER INSTRUCTIONS** : Rescue personnel must wear appropriate protective equipment during removal of victims from contaminated areas. Treat symptomatically and supportively.

### SECTION 5 – FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA** : Water spray, fog, carbon dioxide, foam, dry chemical

**EXPLOSION HAZARDS** : Product is not explosive.

**REACTIVITY (FIRE)** : Thermal decomposition generates: Corrosive vapors. If the product is involved in a fire, it can release explosive hydrogen gas. When heated to decomposition, emits toxic fumes. May be corrosive to metals.

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### SPECIAL INSTRUCTIONS TO FIRE FIGHTERS

- PRECAUTIONARY MEASURES** : Exercise caution when fighting any chemical fire.
- FIREFIGHTING INSTRUCTIONS** : Use water spray or fog for cooling exposed containers.
- PROTECTION DURING FIREFIGHTING** : Do not enter fire area without proper protective equipment, including respiratory protection.
- HAZARDOUS COMBUSTION PRODUCTS** : Potassium oxides. May liberate toxic gases. Sodium oxides. Phosphorous oxides. Nitrogen oxides. Carbon oxides (CO, CO<sub>2</sub>). Explosive Hydrogen gas.
- OTHER INFORMATION (FIRE)** : Do not allow run-off from fire fighting to enter drains or water courses.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

- PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT & EMERGENCY PROCEDURES** : Restrict access to keep out unauthorized or unprotected personnel. Wear protective equipment. Avoid inhalation and direct contact.
- ENVIRONMENTAL PROCEDURES** : Keep spilled material away from sewage/drainage systems and waterways.
- METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP** : All clean-up personnel must be properly trained. Confine the spill and remove incompatible materials and ignition sources. Ensure adequate ventilation. Secure the source of the leak if conditions are safe. Neutralize spill and collect using an appropriate absorbent material such as clay or vermiculite. Place waste in an appropriate container for disposal. Use care during clean-up to avoid exposure to the material and injury from broken containers.

### SECTION 7 – HANDLING AND STORAGE

- PRECAUTIONS FOR SAFE HANDLING** : Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and again when leaving work. Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling.
- CONDITIONS FOR SAFE STORAGE** : Store in a dry, cool and well ventilated place. Keep container closed when not in use. Keep/store away from extremely high or low temperatures, direct sunlight, heat and incompatible materials (Strong acid, Strong oxidizers).



### SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

- TLV (THRESHOLD LIMIT VALUE)** : The TLV in section in section III is the ACGIH/TLV-TWA (threshold limit value/time weighted average concentration for an eight hour work day). The STEL is the short term exposure limit and the (Ceil) is the ceiling limit.

COMPONENT	USA OSHA PEL – TWA	USA ACGIH TWA	USA ACGIH – STEL
Dipropylene glycol methyl ether	100 ppm, 600mg/m <sup>3</sup>	100 ppm	150 ppm
Ammonium Hydrogen Difluoride	2.5 mg/m <sup>3</sup>	2.5 mg/m <sup>3</sup>	Not Established
Hydroxyacetic Acid	Not Established	Not Established	Not Established
Citric Acid	Not Established	Not Established	Not Established
Monosodium Phosphate	Not Established	Not Established	Not Established
Ethylenediamine Tetraacetate (EDTA)	Not Established	Not Established	Not Established
Sodium Octane Sulfonate	Not Established	Not Established	Not Established
Alcohol Ethoxylate	Not Established	Not Established	Not Established

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<b>EYE PROTECTION</b>	: Wear chemical splash goggles or face shield.
<b>SKIN PROTECTION</b>	: Minimize contact with product. Wear chemical resistant coveralls, boots, gloves, apron and/or suitable long-sleeved clothing.
<b>RESPIRATORY PROTECTION</b>	: In case of brief exposure use respiratory filter device. In case of intensive or longer exposure, use respiratory protective device that is independent of circulating air.
<b>VENTILATION</b>	: Ensure adequate ventilation.
<b>ADDITIONAL MEASURES</b>	: Emergency eyewash and safety shower facilities should be available in the immediate work area.
<b>REQUIRED WORK/HYGIENE</b>	: Wash hands thoroughly after handling. Keep away from all food stuffs, beverages and feed. Do not eat, drink or smoke in work area.

#### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE</b>	: Clear liquid with mild odor.
<b>ODOR</b>	: Mild odor
<b>ODOR THRESHOLD</b>	: Not available
<b>PH</b>	: 5-6
<b>MELTING POINT/FREEZING POINT</b>	: Not available
<b>BOILING POINT</b>	: Approx. 212° F.
<b>FLASH POINT</b>	: Non flammable, non combustible
<b>EVAPORATION RATE</b>	: Not available
<b>FLAMMABILITY</b>	: Non flammable-Non combustible
<b>LOWER FLAMMABILITY LIMIT</b>	: Not available
<b>UPPER FLAMMABILITY LIMIT</b>	: Not available
<b>VAPOR PRESSURE</b>	: Not available
<b>VAPOR DENSITY (AIR=1)</b>	: Not available
<b>RELATIVE DENSITY</b>	: 1.03
<b>SOLUBILITY IN WATER</b>	: Soluble in water
<b>PARTITION COEFFICIENT n-OCTANOL/WATER</b>	: Not available
<b>AUTOIGNITION TEMPERATURE</b>	: Not available
<b>DECOMPOSITION TEMPERATURE</b>	: Not available

#### SECTION 10 – STABILITY AND REACTIVITY

<b>REACTIVITY</b>	: Thermal decomposition generates: Corrosive vapors. If the product is involved in a fire, it can release explosion hydrogen gas. When heated to decomposition, emits toxic fumes. May be corrosive to metals.
<b>STABILITY</b>	: Stable under recommended storage conditions.
<b>HAZARDOUS CONDITIONS TO AVOID</b>	: Direct sunlight. Extremely high or low temperatures. Heat. Combustible materials. Incompatible materials.
<b>INCOMPATIBLE MATERIALS</b>	: Chlorinated products such as bleach, alkaline materials, metals, metal powder, carbides, chlorates, fumigates, nitrates, picrates, strong oxidizers, reducing or combustible organic material. Hazardous gases are evolved on contact with chemicals such as chlorine bleach, cyanides, sulfides and carbides.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	: Carbon oxides (CO, CO <sub>2</sub> ). Thermal decomposition generates: Corrosive vapors. Toxic gases. Hydrogen gas. Nitrogen oxides. Phosphorous oxides. Sodium oxides. Potassium oxides.

#### SECTION 11 – TOXICOLOGICAL INFORMATION

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<b>TOXICOLOGICAL INFORMATION</b>	:	<b>Dipropylene Glycol Methyl Ether</b>
<b>ACUTE TOXICITY</b>	:	LD50 values: Oral LD50: 5152 mg/kg (rat). LC50 dermal and inhalation: Not listed. Eyes: Rabbit: Mild Irritation: 25 hours.
<b>CARCINOGENICITY</b>	:	No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC, ACGIH, NTP, and OSHA.
<b>TOXICOLOGICAL INFORMATION</b>	:	<b>Ammonium Hydrogen Difluoride</b>
<b>ACUTE TOXICITY</b>	:	Eyes, Skin, Ingestion, Inhalation: Not available LD50 Oral (rat): 60 mg/kg.
<b>CARCINOGENICITY (IARC)</b>	:	3 - Group 3: Not classifiable as to its carcinogenicity to humans (Ammonium Bifluoride).
<b>CARCINOGENICITY</b>	:	No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, ACGIH, OSHA
<b>CHRONIC TOXICITY</b>	:	Causes damage to following organs: lungs, mucous membranes.
<b>TOXICOLOGICAL INFORMATION</b>	:	<b>Hydroxyacetic Acid</b>
<b>ACUTE TOXICITY</b>	:	LD50 Oral (rat): 1357 mg/kg. LC50 Inhalation (male rat): 2.52 mg/L.
<b>SKIN CORROSION AND EYE DAMAGE</b>	:	Corrosive
<b>CARCINOGENICITY</b>	:	No data available.
<b>TOXICOLOGICAL INFORMATION</b>	:	<b>Citric Acid</b>
<b>ACUTE ORAL TOXICITY</b>	:	LD50 Oral (mouse): 5 400 mg/kg, : LD50 Oral (rat): 3 000 mg/kg
<b>SKIN IRRITATION</b>	:	Mild skin irritation (rabbit, OECD Test Guideline 404, 72 h)
<b>EYE IRRITATION</b>	:	Severe eye irritation (rabbit, OECD Test Guideline 405, 72 h)
<b>INHALATION IRRITATION</b>	:	May cause irritation of respiratory tract.
<b>REPEATED DOSE TOXICITY</b>	:	NOAEL (Oral, rat) : 1 200 mg/kg/day, Chronic toxicity study (2 years)
<b>CARCINOGENICITY</b>	:	Animal testing did not show any carcinogenic effects. (rat ,oral)
<b>TOXICOLOGICAL INFORMATION</b>	:	<b>Monosodium Phosphate Anhydrous</b>
<b>ACUTE ORAL TOXICITY</b>	:	LD50 Oral (rat): 7100 mg/kg, LD50 Dermal (rabbit): > 7940 mg/kg, (Practically non-toxic)
<b>SKIN AND EYE IRRITATION</b>	:	Eye Irritation - rabbit: 1.3/110.0; practically non-irritating. Skin Irritation - rabbit: 0.0/8.0; non-irritating.
<b>SYMPTOMS OF EXPOSURE</b>	:	The dry powder or granules may cause foreign body irritation in some individuals. Prolonged contact with the dry powder may cause drying or chapping of the skin. Excessive inhalation of dust may be annoying and can mechanically impede respiration.
<b>TOXICOLOGICAL INFORMATION</b>	:	<b>Ethylenediamine Tetraacetate (EDTA)</b>
<b>ACUTE TOXICITY</b>	:	LD50 Oral (rat): 630 - 1,260 mg/kg,
<b>INHALATION LC50</b>	:	No data available
<b>DERMAL LD50</b>	:	No data available
<b>OTHER INFORMATION ON ACUTE TOXICITY</b>	:	No data available
<b>TOXICOLOGICAL INFORMATION</b>	:	<b>Sodium Octane Sulfonate</b>
<b>ACUTE TOXICITY IRRITATION</b>	:	Inhalation may cause pain in respiratory system, sneezing coughing and difficulty in breathing.
<b>INHALATION</b>	:	
<b>CARCINOGENICITY</b>	:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.
<b>TOXICOLOGICAL INFORMATION</b>	:	<b>Ethoxylated Alcohol</b>
<b>ACUTE TOXICITY</b>	:	LD50 Oral (rat): 16,000 mg/kg,
<b>INHALATION LC50</b>	:	No data available

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DERMAL LD50 : LD50 Dermal (rabbit): 4,490 mg/kg.  
PRIMARY SKIN IRRITATION : Slight irritation.  
PRIMARY EYE IRRITATION : No data available.  
CARCINOGENICITY : This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.

<b>SECTION 12 – ECOLOGICAL INFORMATION</b>
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**ECOLOGICAL INFORMATION** : **Dipropylene Glycol Methyl Ether**  
**ECOTOXICITY (aquatic and terrestrial, where available):**  
**ACUTE FISH TOXICITY** : LC50 / 96 hours Fathead Minnow - >10,000 mg/L  
**TOXICITY TO DAPHNIA** : EC50 / 48 hours Water flea - 1,919 mg/L  
**PERSISTENCE AND DEGRADABILITY** : No data available.  
**BIOACCUMULATIVE POTENTIAL** : No data available.

**ECOLOGICAL INFORMATION** : **Ammonium Hydrogen Difluoride**  
**AQUATIC TOXICITY** : LC50 Fish 237 mg/L.  
**ENVIRONMENTAL FATE** : No information found

**ECOLOGICAL INFORMATION** : **Hydroxyacetic Acid**  
**AQUATIC TOXICITY FISH** : LC50/48 h/Lepomis macrochirus (Bluegill sunfish): 93 mg/L.  
**BIOACCUMULATION** : No data available.  
**PERSISTENCE AND DEGRADABILITY** : Readily biodegradable, according to appropriate OECD test.

**ECOLOGICAL INFORMATION** : **Citric Acid**  
**AQUATIC TOXICITY FISH** : Leuciscus idus (Golden orfe) LC50 (96 h) > 440 - 760 mg/l  
**TOXICITY: DAPHNIA OTHER** : Daphnia magna (Water flea) EC50 (72 h) ca. 120 mg/l  
**AQUATIC INVERTEBRATES**  
**TOXICITY TO ALGAE** : Scenedesmus quadricauda (Green algae) EC0 (7 d) 640 mg/l  
**BIODEGRADABILITY** : Readily biodegradable. 98 % (2 d) (OECD Test Guideline 302B)

**ECOLOGICAL INFORMATION** : **Monsodium Phosphate Anhydrous**  
**AQUATIC ORGANISM TOXICITY** : Invertebrate: 48-hr EC50 Daphnia magna: >1,000 mg/L; Practically nontoxic  
Warmwater fish: 96-hr. LC50 - Bluegill sunfish: 6,400 mg/L; Practically nontoxic  
Coldwater fish: 96-hr. LC50 - Rainbow trout: 3,200 mg/L; Practically nontoxic  
**ENVIRONMENTAL FATE** : No definitive algal toxicity or biodegradation data was available for this material.

**ECOLOGICAL INFORMATION** : **Ethylenediamine Tetraacetate**  
**ECOTOXICITY** : No data available.  
**PERSISTENCE AND DEGRADABILITY** : No data available.  
**BIOACCUMULATIVE POTENTIAL** : No data available.

**ECOLOGICAL INFORMATION** : **Sodium Octane Sulfonate**  
**ACUTE TOXICITY FISH, DAPHNIA, BACTERIA** : No ecological data available for this material.

**ECOLOGICAL INFORMATION** : **Ethoxylated Alcohol**  
**ECOTOXICITY** : Not available.  
**PERSISTENCE AND DEGRADABILITY** : No data available.  
**BIOACCUMULATIVE POTENTIAL** : No data available.

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### SECTION 13 – DISPOSAL CONSIDERATIONS

- WASTE DISPOSAL RECOMMENDATIONS** : This product must be disposed of in accordance with Federal, state and local environmental regulations. Discarded materials may be considered hazardous waste due to pH/corrosivity. It is the responsibility of the product user to determine at the time of disposal whether a material containing, or derived from this product, should be classified as a hazardous waste.
- ECOLOGY-WASTE MATERIALS** : This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

### SECTION 14 – TRANSPORTATION INFORMATION

- DOT/IMDG/ IATA PROPER SHIPPING NAME** : N/A
- HAZARD CLASS AND LABEL** : N/A
- UN NUMBER** : N/A
- PACKAGING GROUP** : N/A
- EPA REPORTABLE QUANTITY (RQ)** : N/A
- MARINE POLLUTANT** : N/A
- EMERGENCY RESPONSE GUIDE** : N/A

### SECTION 15 – REGULATORY INFORMATION

#### U.S. FEDERAL REGULATORY INFORMATION:

- LISTED CARCINOGEN** : Not listed
- TSC STATUS** : The ingredients of this product are listed on TSCA (Toxic Substances Control Act) inventory (40CFR 710.)
- SARA SECTION 302** : None
- SARA SECTION 311/312** : Immediate (acute) health hazard.
- HAZARD CLASS**
- SARA SECTION 313** : Not Listed
- NFPA HEALTH** : 2
- NFPA FLAMMABILITY** : 0
- NFPA REACTIVITY** : 0

#### EUROPEAN UNION REGULATORY INFORMATION:

- EC CLASSIFICATION** : C: Corrosive, Xn: Harmful.
- DSD/DPD RISK (R) PHRASES** : R34: Causes severe burns.  
R22: Harmful if swallowed.
- DSD/DPD SAFETY (S) PHRASES** : S1/2: Keep locked up and out of reach of children.  
S18: Handle and open containers with care.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/S37/39: Wear suitable protective clothing, gloves and eye/face protection.  
S45: In case of accidents or if you feel unwell, seek medical advice immediately. Show label where possible.  
S61: Avoid release to the environment.  
S64: If swallowed, rinse mouth with water if victim is conscious.
- DSD/DPD HAZARD SYMBOL** : C: Corrosive, Xn: Harmful



#### CANADIAN REGULATORY INFORMATION

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**WHMIS CATEGORY** : Class D2B: Materials that cause other toxic effects (TOXIC).  
**DOMESTIC SUBSTANCES LIST (DSL)** : Listed

**INGREDIENT DISCLOSURE LIST** : Listed, This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the sds contains all of the information required by the CPR.

### SECTION 16 – OTHER INFORMATION

**DISCLAIMER** : The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Hydramaster Corp. assumes no responsibility for injury to any person or property resulting from any use of the material. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.

**CERCLA** : Comprehensive Environmental Response, Compensation, and Liability Act.

**EINECS** : European Inventory of Existing Commercial Chemical Substances

**IMDG** : International Maritime Code for Dangerous Goods

**IARC** : International Agency for Research on Cancer

**IATA** : International Air Transportation Association

**ACGIH** : American Conference of Governmental Industrial Hygienists

**NFPA** : National Fire Protection Association (USA)

**NTP** : National Toxicology Program

**SARA** : Superfund Amendments and Reauthorization Act

**TSCA** : Toxic Substances Control Act

**HMIS** : Hazardous Materials Identification System (USA)

**WHMIS** : Workplace Hazardous Materials Information System

**LC50** : Lethal concentration, 50 percent

**LD50** : Lethal dose, 50 percent

**STOT** : Systemic Target Organ Toxicity

**DATE PREPARED** : OCT 1, 2012

**DATE REVISED** : MAR 1, 2015