

## TECHSOLVE

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	TECHSOLVE
<b>Other Means of Identification</b>	294WIP
<b>Recommended Use</b>	Cleaner & Degreaser.
<b>Manufacturer</b>	Lawrason's, Inc, 460 Wyecroft Road, Oakville, Ontario, L6K 2G7, (905) 842-8300, <a href="http://www.Lawrasons.com">www.Lawrasons.com</a>
<b>Supplier Identifier</b>	Struthmann Enterprises Ltd., 287 Tiffin Street, Unit 13, Barrie, Ontario, L4N 7R8, (705) 726-9892, <a href="http://www.struthmann.com">www.struthmann.com</a>
<b>Emergency Phone No.</b>	CANUTEC, 1-888-CAN-UTEC (226-8832), 613-996-6666 or *666 on a cellular phone
<b>SDS No.</b>	65421, 65422
<b>Date of Preparation</b>	February 01, 2017

### SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

#### Classification

Skin corrosion - Category 1; Serious eye damage - Category 1; Skin sensitization - Category 1

#### Label Elements



Danger

#### Hazard Statement(s):

Harmful if swallowed, in contact with skin or if inhaled.

Causes serious eye irritation.

Causes skin irritation.

#### Precautionary Statement(s):

Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash hands and skin thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace.

#### Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Immediately call a POISON CENTRE or doctor.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Immediately call a POISON CENTRE or doctor.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

Wash contaminated clothing before reuse.

Immediately call a POISON CENTRE or doctor.

If skin irritation or rash occurs: Get medical advice or attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTRE or doctor.

Storage:

Store in a well-ventilated place. Keep cool.

Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Sodium xylenesulfonate	1300-72-7	10.00-30.00		
Alcohols, C6-12, ethoxylated, liquids	68439-45-2	7.00-13.00		
Sodium tripolyphosphate	7758-29-4	3.00-7.00		
Sodium Metasilicate	6834-92-0	1.00-5.00		
d-Limonene	5989-27-5	1.00-5.00		

### Notes

The exact percentage (concentration) of composition has been withheld as a trade secret.

## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

If breathing is difficult, move person into fresh air. Keep at rest in a position comfortable for breathing. Immediately call a Poison Centre or doctor.

#### Skin Contact

Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Rinse skin with water or shower. Get medical advice or attention if you feel unwell. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely.

#### Eye Contact

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 or attention.

#### Ingestion

Rinse mouth with water. Do not induce vomiting. Get medical advice or attention if you feel unwell or are concerned.

#### First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Use water spray, fog or foam.

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### Specific Hazards Arising from the Product

Heating increases the release of toxic vapour.

In a fire, the following hazardous materials may be generated: very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides; corrosive sulfur oxides.

### Special Protective Equipment and Precautions for Fire-fighters

Wear fire resistant clothing. Evacuate area. Fight fire from a safe distance or a protected location. Wear a chemical protective, full-body encapsulating suit and self-contained breathing apparatus (SCBA).

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment.

### Environmental Precautions

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.

### Methods and Materials for Containment and Cleaning Up

Small spills or leaks: stop or reduce leak if safe to do so. Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Large spills or leaks: stop or reduce leak if safe to do so. Dike spilled product to prevent runoff. Dike and recover contaminated water for appropriate disposal. Contact emergency services and manufacturer/supplier for advice.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Do not breathe in this product. Only use where there is adequate ventilation. Wash hands thoroughly after handling this material.

### Conditions for Safe Storage

Store in an area that is: cool, ventilated. Store in the original, labelled, shipping container. Store in a closed container. Store at temperatures not exceeding: 10 - 45 °C.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Sodium xylenesulfonate	Not established		Not established		Not established	
Alcohols, C6-12, ethoxylated, liquids	Not established		Not established		Not established	
Sodium tripolyphosphate	Not established		Not established		Not established	
Sodium Metasilicate	Not established		Not established		Not established	
d-Limonene	Not established		Not established		Not established	

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

#### Skin Protection

Ensure that eye stations and safety showers are proximal to the work-station location. Wear chemical protective clothing e.g. gloves, aprons, boots. Wear a chemical protective, full-body encapsulating suit and self-contained

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breathing apparatus (SCBA).

#### **Respiratory Protection**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Wear a NIOSH approved self-contained breathing apparatus (SCBA) or supplied air respirator.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

### **Basic Physical and Chemical Properties**

<b>Appearance</b>	Orange liquid.
<b>Odour</b>	Citrus
<b>Odour Threshold</b>	Not available
<b>pH</b>	11.50 - 12.50
<b>Melting Point/Freezing Point</b>	Not available (melting)
<b>Initial Boiling Point/Range</b>	$\geq 100\text{ }^{\circ}\text{C}$ (212 $^{\circ}\text{F}$ )
<b>Flash Point</b>	$> 100\text{ }^{\circ}\text{C}$ (212 $^{\circ}\text{F}$ )
<b>Evaporation Rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not available
<b>Upper/Lower Flammability or Explosive Limit</b>	Not available (upper); Not available (lower)
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not available
<b>Relative Density (water = 1)</b>	1.08
<b>Solubility</b>	Not available in water
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	$0\text{ }^{\circ}\text{C}$ (32 $^{\circ}\text{F}$ )
<b>Viscosity</b>	Not available (kinematic); Not available (dynamic)
<b>Other Information</b>	
<b>Physical State</b>	Liquid

## **SECTION 10. STABILITY AND REACTIVITY**

### **Reactivity**

Not reactive under normal conditions of use.

### **Chemical Stability**

Normally stable.

### **Possibility of Hazardous Reactions**

Hazardous polymerization does not occur.

### **Conditions to Avoid**

Freezing.

### **Incompatible Materials**

Highly reactive or incompatible with acids. Reactive or incompatible with metals.

### **Hazardous Decomposition Products**

Under normal conditions of storage and use will not occur.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Sodium xylenesulfonate	Not available	7200 mg/kg (rat)	> 2000 mg/kg (rabbit)
Alcohols, C6-12, ethoxylated, liquids	Not available	> 2000 mg/kg (rat)	> 1000 mg/kg (rabbit)
Sodium tripolyphosphate	Not available	6500 mg/kg (rat)	Not applicable
Sodium Metasilicate	Not available	1153 mg/kg (male rat)	Not available
d-Limonene	Not available	Not available	Not available

### Skin Corrosion/Irritation

Causes severe skin burns and eye damage. Symptoms include pain, redness, and swelling.

### Serious Eye Damage/Irritation

Causes serious eye damage. Symptoms include sore, red eyes, and tearing.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

May cause nose and throat irritation. Symptoms may include coughing, shortness of breath, difficult breathing and tightness in the chest.

#### Skin Absorption

Causes skin burns.

#### Ingestion

Harmful if swallowed. Causes digestive tract burns. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.

### Aspiration Hazard

No information was located.

### Respiratory and/or Skin Sensitization

Skin sensitizer.

### Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Sodium xylenesulfonate	Not designated	Not designated	Not Listed	Not Listed
Alcohols, C6-12, ethoxylated, liquids	Not Listed	Not Listed	Not Listed	Not Listed
Sodium tripolyphosphate	Not Listed	Not Listed	Not Listed	Not Listed
Sodium Metasilicate	Not Listed	Not Listed	Not Listed	Not Listed
d-Limonene	Not Listed	Not Listed	Not Listed	Not Listed

### Reproductive Toxicity

#### Development of Offspring

Not known to harm the unborn child.

#### Sexual Function and Fertility

Not known to cause effects on sexual function or fertility.

### Germ Cell Mutagenicity

Not known to be a mutagen.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

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Harmful to aquatic life.

#### **Persistence and Degradability**

Predicted not to degrade rapidly based on quantitative structure-activity relationships.

#### **Bioaccumulative Potential**

This product and its degradation products are not expected to bioaccumulate.

#### **Mobility in Soil**

Studies are not available.

### **SECTION 13. DISPOSAL CONSIDERATIONS**

#### **Disposal Methods**

Dispose of contents and container in accordance with local, regional, national and international regulations. Store product for disposal as described under Storage in Section 7 of this safety data sheet. Do not reuse empty containers.

### **SECTION 14. TRANSPORT INFORMATION**

Not regulated under Canadian TDG regulations.

**Environmental Hazards** Not applicable

#### **Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

### **SECTION 15. REGULATORY INFORMATION**

#### **Safety, Health and Environmental Regulations**

This section is not required by WHMIS.

#### **Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

#### **Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)**

All ingredients are listed on the DSL/NDSL.

### **SECTION 16. OTHER INFORMATION**

**NFPA Rating** Health - 3 Flammability - 0 Instability - 0

**SDS Prepared By** Technical Manager

**Phone No.** 905-842-8300

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**Key to Abbreviations** IARC = International Agency for Research on Cancer

**References** CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS). NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).

**Additional Information** All information is based upon our current knowledge and experience of our product and is not exhaustive. It applies to the product as defined by the specifications. In case of combinations of mixtures, one must confirm that no new hazards are likely to exist. In any case, the user is not exempt from observing all legal, administrative and regulatory procedures relating to the

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