

# SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION

**Product name:** TST (#319)

**Recommended use:** Degreasing compound

**Manufacturer:** EnviroWay Detergent Manufacturing Incorporated

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**Emergency phone:**

**Leak and Spill:** 1-800-667-7525 (SASK SPILLS) for the Province of Saskatchewan

1-866-845-6037 (Environment Canada) for anywhere else

**In Transit:** 1-613-996-6666 or \*666 on cellular phone (CANUTEC)

**Poison Control:** 1-866-454-1212 (Saskatchewan)

## SECTION 2: HAZARD IDENTIFICATION

### Hazard classification

Acute toxicity – oral	Category 4
Skin corrosion/irritation	Category 1
Serious eye damage/irritation	Category 1
Skin sensitization	Category 1
Flammable liquid	Category 4

**Signal word**    Danger



### Hazard statements

Harmful if swallowed.

Causes severe skin burns and eye damage.

May cause an allergic skin reaction.

Combustible liquid.

### Precautionary statements

**Prevention**    Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking.

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

Wear protective gloves, protective clothing, eye protection, and face protection.

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

Do not breathe mist, vapours or spray.

**Response** Immediately call a POISON CENTRE/doctor.

In case of fire use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention.

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

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

**Storage** Store locked up. Store in a well-ventilated place.

**Disposal** Dispose of in accordance with local regulations at government approved waste sites.

## SECTION 3: COMPOSITION

The following ingredients have hazardous properties:

Ingredient	CAS #	% by weight
Lauryl alcohol ethylene oxide	9002-92-0	5-10
D'Limonene	5989-27-5	1-5
Glycol ether EB	111-76-2	1-5
Sodium Xylene Sulfonate	1300-72-7	1-5
Potassium hydroxide	1310-58-3	1-5
Sodium laureth sulphate	68891-38-3	1-5

## SECTION 4: FIRST AID MEASURES

**IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting. Seek immediate medical attention.

**IF ON SKIN:** Wash with plenty of soap and water. Take off immediately all contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical advice/attention.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Seek immediate medical attention.

**IF exposed or concerned:** Get medical advice/attention if you feel unwell.

## SECTION 5: FIRE FIGHTING MEASURES

**Flammable:** Combustible liquid

**Means of Extinction:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Flashpoint:** Not available

**Special Fire Fighting Procedures:** Use water spray to keep containers cool. Fire fighters should wear self-contained breathing apparatus and full protective clothing.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Leak and Spill Procedures:** Flush liquid to sewer with plenty of water, if the spill is small. Large spills should be contained by diking with soil or other non-combustible absorbent material and then pumped

into dot approved containers. A full face-pipe air-purifying respirator equipped for organic vapours maybe satisfactory in case of small spills.

## SECTION 7: HANDLING AND STORAGE

**Handling Procedures and Equipment:** Use good industrial hygiene. Avoid contact with skin and eyes. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking.

**Storage Requirements:** Store in a dry, well ventilated and cool place. Store in original container with closed lid. Store away from incompatible materials.

## SECTION 8: PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Lauryl alcohol ethylene oxide	Not available	Not available	Not available
D’Limonene	Not available	Not available	Not available
Glycol ether EB	TLV 20ppm / 96mg/m <sup>3</sup>	PEL 25ppm / 120mg/m <sup>3</sup> (skin)	Not available
Sodium Xylene Sulfonate	Not available	Not available	Not available
Potassium hydroxide	Not available	Not available	Not available
Sodium laureth sulphate	Not available	Not available	Not available

**Gloves:** Chemical resistant gloves.

**Respirator:** Not required under normal usage.

**Eye:** Safety glasses if handling large amounts and if there is significant probability of splashes.

**Clothing:** Wear long sleeved clothing and trousers.

**Other (Specify):** An eye was and safety shower should be nearby.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Yellow liquid

**Odour:** Orange scent

**Odour Threshold (ppm):** <100 ppm OSHA (PEL)

**pH:** 13.3

**Freezing Point:** Approx 10°C

**Initial Boiling Point/Range:** Approx 89°C

**Flash point:** Approx 74°C

**Evaporation Rate:** Information not available

**Flammability:** Combustible liquid

**Upper/lower flammability/explosive limit:** Information not available

**Vapour Pressure (mmHg):** Not available

**Vapour Density (air = 1):** >1 (Heavier than air)

**Relative density:** Information not available

**Solubility in Water:** Soluble

**Partition coefficient:** Information not available

**Auto-ignition temperature:** Information not available

**Decomposition temperature:** Information not available

**Viscosity:** Information not available

## SECTION 10: STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Hazardous Polymerization:** Will not occur.

**Materials to Avoid:** Harsh chemical substances such as strong acids or oxidizing agents.

**Hazardous Decomposition Products:** Avoid open flames, welding arcs or other high temperature sources which may induce thermal decomposition. May liberate carbon dioxide, carbon monoxide.

## SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
Lauryl alcohol ethylene oxide	4150	72000	8600
D` Limonene	4400	>5000	Not available
Glycol ether EB	880	1060	925
Sodium Xylene Sulfonate	7200	2000	Not available
Potassium hydroxide	363	Not available	Not available
Sodium laureth sulphate	>2000	>2000	Not available

### EFFECTS OF ACUTE EXPOSURE:

**Ingestion:** Ingestions of large amounts may cause nausea, headaches, vomiting and diarrhoea.

**Skin Contact:** Causes severe skin burns. May cause an allergic skin reaction.

**Eye Contact:** Causes serious eye damage.

**Inhalation:** May cause coughing, headaches, vomiting or nausea.

**Germ cell mutagenicity:** Not applicable

**Carcinogenicity:** D`limonene and glycol ether are listed by the IARC as Group 3: not classifiable as to its carcinogenicity to humans.

**Reproductive toxicity:** Not applicable

**STOT single exposure:** Not applicable

**STOT repeated exposure:** Not applicable

**Aspiration hazard:** Not applicable

**Routes of exposure:** Ingestion, inhalation, skin/eye exposure

### EFFECTS OF CHRONIC EXPOSURE:

**Skin Contact:** Not known.

**Eye Contact:** Not known.

**Ingestion:** Not known

### Numerical measures of toxicity:

**Oral:** LD50 6039 mg/kg

**Dermal:** LD50 16,529 mg/kg

**Inhalation:** LC50 17,032 mg/L

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Lauryl alcohol ethylene oxide	LC <sub>50</sub> (96h): 1400 µg/L	LC <sub>50</sub> (48h): >6460 µg/L	Not available
D` Limonene	LC <sub>50</sub> (96h): 0.619 - 0.796 mg/L (Pimephales promelas)	Not available	Not available
Glycol ether EB	LC <sub>50</sub> (96h): 1490 mg/L (Lepomis macrochirus)	EC <sub>50</sub> (24h): 1700mg/L (Daphnia magna)	EC <sub>50</sub> : 720 mg/L (Pseudokirchnerella subcapitata)
Sodium Xylene Sulfonate	LC <sub>50</sub> (96 h): >1000 mg/L	EC <sub>50</sub> (48h): >40.3 mg/L (Daphnia magna)	EC <sub>50</sub> (96h): >230 mg/L
Potassium hydroxide	LC <sub>50</sub> (96h): 179mg/L (Fathead minnow)	EC <sub>50</sub> (48h): 60mg/L (Daphnia magna)	Not available
Sodium laureth sulphate	LC <sub>50</sub> (96h): 2.3 mg/L	EC <sub>50</sub> (48h): > 13 ppm	EC <sub>50</sub> (72 h): >56 ppm

**Persistence and Degradability:** Materials are readily biodegradable.

**Bioaccumulation/Accumulation:** No information available.

**Mobility:** No information available.

**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:** Dispose of in accordance with local regulations at government approved waste sites.

## SECTION 14: TRANSPORT INFORMATION

**Special Shipping Information:** None

### TDG (Canada)

**TDG Proper Shipping Name:** Corrosive liquid, basic, inorganic, n.o.s. (Potassium hydroxide)

**Hazard Class:** 8

**UN Number:** UN3266

**Packing Group:** III

**Note:** No additional remark.

**Marine Pollutant:** None

## SECTION 15: REGULATORY INFORMATION

**Canadian DSL Inventory Status:** All ingredients are specified on the Domestic Substances List or exempt

## SECTION 16: OTHER INFORMATION

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