

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Hot Tank Degreaser (#1404)

Recommended use: Industrial metal part cleaner

Manufacturer: EnviroWay Detergent Manufacturing Incorporated

2241 Hanselman Ave.

Saskatoon, SK S7L 6A7, Canada

Tel: 306-244-7727

Fax: 306-244-7772

Toll free: 1-888-274-0862, www.enviroway.ca

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

Skin corrosion/irritation	Category 1A
Serious eye damage/irritation	Category 1
Acute toxicity – Oral	Category 3
Acute toxicity – Dermal	Category 4
Corrosive to metals	Category 1

Signal word Danger



Hazard statements

Causes severe skin burns and eye damage.

Toxic if swallowed.

Harmful in contact with skin.

May be corrosive to metals.

Precautionary statements

Prevention Keep only in original packaging.
Wash hands thoroughly after handling.
Wear protective gloves, protective clothing, eye protection, and face protection.
Do not breathe dust.

Response	<p>Do not eat, drink or smoke when using this product.</p> <p>Immediately call a POISON CENTRE/doctor.</p> <p>IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.</p> <p>IF INHALED: Remove victim to fresh air and keep comfortable for breathing.</p> <p>IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>Absorb spillage to prevent material-damage.</p>
Storage	Store locked up.
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
Sodium carbonate	497-19-8	10-20
Alcohols C12-16 ethoxylate	68551-12-2	1-5
Sodium hydroxide	1310-73-2	70-80

Ingredients not shown are either not hazardous or present below cut-off values. Ranges shown are due to batch-to-batch variation.

SECTION 4: FIRST AID MEASURES

IF SWALLOWED: Rinse mouth. Do not induce vomiting. Call a poison centre or doctor immediately.

IF ON SKIN: Take off immediately all contaminated clothing and wash before reuse. Rinse skin with water. Call a poison centre or doctor immediately.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Call a poison centre or doctor immediately.

IF exposed or concerned: Seek immediate medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Flammable: Not flammable

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

Flashpoint: Not available

Special Fire Fighting Procedures: 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. Avoid inhalation of dust.

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
Sodium carbonate	Not available	Not available	Not available
Alcohols C12-16 ethoxylate	Not available	Not available	Not available
Sodium hydroxide	2 mg/m ³ Ceiling	2 mg/m ³ Ceiling	10 mg/m ³

Gloves: Chemical resistant gloves.

Respirator: Not required under normal usage. A NIOSH approved self-breathing apparatus should be worn if vapour concentration exceeds limits.

Eye: Safety glasses should be worn while product is being handled.

Clothing: Wear long sleeved clothing and trousers.

Other (Specify): An eye wash and safety shower should be available nearby.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Off-white powder

Odour: Chemical odour

Odour Threshold (ppm): Information not available

pH: 14

Freezing Point: Information not available

Initial Boiling Point/Range: Information not available

Flash point: Information not available

Evaporation Rate: Information not available

Flammability: Not flammable

Upper/lower flammability/explosive limit: Information not available

Vapour Pressure (mmHg): ~42 mmHg

Vapour Density (air = 1): Information not available

Relative density: ~2.13

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: Tin, aluminium, zinc, leather, wool, acids, organic halogen compounds or organic nitro compounds, magnesium metal, brass, bronze, reducing sugars, water.

Hazardous Decomposition Products: Carbon monoxide gas may be produced on contact with reducing sugars. Contact with water may generate sufficient heat to ignite combustible materials.

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
Sodium carbonate	2800	>2000	1.2
Alcohols C12-16 ethoxylate	>1700	Not available	Not available
Sodium hydroxide	400	1350	Not available

EFFECTS OF ACUTE EXPOSURE:

Ingestion: Toxic if swallowed. Can cause burns to the mouth, throat and digestive tract.

Skin Contact: Harmful in contact with skin. Causes serious skin burns.

Eye Contact: Causes serious eye damage.

Inhalation: Formation of dust may cause coughing, headaches, vomiting or nausea.

Germ cell mutagenicity: Not applicable

Carcinogenicity: Not applicable

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 181 mg/kg

Dermal: LD50 1,754 mg/kg

Inhalation: LC50 6,500 mg/L

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Sodium carbonate	LC ₅₀ (96h): 300mg/L (Lepomis macrochirus)	EC ₅₀ (48h): 200- 227mg/L (Ceriodaphnia)	Not available

Alcohols C12-16 ethoxylate	LC ₅₀ (96h): 2.6-2.9mg/L	EC ₅₀ (48hr) 1.2-2.7mg/L (Daphnia magna)	EC ₅₀ : 0.64-1.3mg/L
Sodium hydroxide	LC ₅₀ : 152mg/L (Oncorhynchus tshawytscha)	EC ₅₀ (48h): 40.38 mg/L (Ceriodaphnia dubia)	Not available

Persistence and Degradability: 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 solid, basic, inorganic, n.o.s. (Sodium hydroxide)

Hazard Class: 8

UN Number: UN3262

Packing Group: II

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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