

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Super 501 Engine Degreaser (#225)

Recommended use: Heavy duty degreaser

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

CONCENTRATE HAZARDS:

Hazard classification

Skin corrosion/irritation	Category 1
Eye damage/irritation	Category 1
Skin sensitization	Category 1
Corrosive to Metals	Category 1

Signal word Danger



Hazard statements

Causes severe skin burns and eye damage.

May cause an allergic skin reaction.

May be corrosive to metals.

Precautionary statements

Prevention Wash hands thoroughly after handling.

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

Do not breathe mist, vapours or spray.

Contaminated clothing should not be allowed out of the workplace.

Keep only in original packaging.

- Response** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTRE or doctor/physician.
 IF ON SKIN (or hair): Immediately call a POISON CENTRE or doctor/physician. Rinse skin with water/shower. Take off immediately all contaminated clothing. Wash contaminated clothing 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. Continue rinsing. Immediately call a POISON CENTRE/doctor.
 IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
 Absorb spillage to prevent material-damage.
- 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
Disodium metasilicate	6834-92-0	5-10
Sodium carbonate	497-19-8	1-5
Glycol ether EB	111-76-2	5-10
Tetrasodium ethylene diamine tetracetate	64-02-8	1-5
Sodium xylene sulfonate	1300-72-7	1-5
Dye	128-95-0	<1

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. Immediately call a POISON CENTRE or doctor/physician.
- IF ON SKIN (or hair):** Immediately call a POISON CENTRE or doctor/physician. Rinse skin with water/shower. Take off immediately all contaminated clothing. Wash contaminated clothing 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. Continue rinsing. Immediately call a POISON CENTRE/doctor.
- IF INHALED:** Remove victim to fresh air and keep comfortable for breathing.
- IF exposed or concerned:** Get medical advice/attention if you feel unwell.

SECTION 5: FIRE FIGHTING MEASURES

- Flammable:** No
- Means of Extinction:** Use water spray or dry chemical.
- 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 surrounding with soil or other non-combustible absorbent material and then pump into dot approved containers. A full face pipe air purifying cartridge respirator equipped for organic vapours may be satisfactory in case of small spills and self-contained breathing apparatus in the pressure demand mode should be used in case of large spills.

SECTION 7: HANDLING AND STORAGE

Handling Procedures and Equipment: Handle in accordance with good industrial hygiene. Avoid contact with skin and eyes.

Storage Requirements: Store locked up and in original container. Store in a dry, well ventilated and cool place away from in compatible materials. Avoid contact with skin and eyes. Wash affected skin and clothing with soap and water after use.

SECTION 8: PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Disodium Metasilicate	Not available	Not available	Not available
Sodium carbonate	Not available	Not available	Not available
Glycol ether EB	20ppm / 96mg/m ³	25ppm / 120mg/m ³	Not available
Tetrasodium Ethylene Diamine Tetraacetate	Not available	Not available	Not available
Sodium xylene sulfonate	Not available	Not available	Not available
Dye	Not available	Not available	Not available

Gloves: Butyl rubber gloves (CCOHS)

Respirator: NIOSH or MSHA approved self-contained breathing apparatus in high vapour concentrations not required under normal usage.

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

Clothing: Rubber gloves, rubber apron, rubber boots

Other (Specify): An eyewash and shower should be available nearby.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Purple liquid

Odour: Mild chemical scent

Odour Threshold (ppm): Information not available

pH: 12.0 ± 0.5

Freezing Point: Information not available

Initial Boiling Point/Range: 90°C (Approx)

Flash point: Not available

Evaporation Rate: 0.08 (slow rate)

Flammability: Not flammable

Upper/lower flammability/explosive limit: Information not available

Vapour Pressure (mmHg): 63mmHg at 90°C (approx.)

Vapour Density (air = 1): >1
Relative density: 1.08
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: Avoid acids, oxidizing agents, aluminium.
Hazardous Decomposition Products: May liberate CO and CO₂ gases.

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
Disodium Metasilicate	1280	Not listed	Not listed
Sodium carbonate	2800	>2000	1.2
Glycol ether EB	470	400	486
Tetrasodium Ethylene Diamine Tetraacetate	Not listed	Not listed	Not listed
Sodium xylene sulfonate	7200	2000	Not listed
Dye	5790	Not listed	Not listed

EFFECTS OF ACUTE EXPOSURE:

Ingestion: Ingestions of large amounts may cause nausea, headaches, vomiting and diarrhoea.
Skin Contact: Causes severe skin damage.
Eye Contact: Causes serious eye damage.
Inhalation: May cause coughing, headaches, vomiting or nausea.

Germ cell mutagenicity: Not applicable

Carcinogenicity: Ethylene Glycol Monobutyl Ether is listed as an IARC Group 3 carcinogen: not classifiable as to its carcinogenicity in 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 6,243 mg/kg

Dermal: LD50 9,615 mg/kg

Inhalation: LC50 9,735 mg/L

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Disodium Metasilicate	LC ₅₀ 2320mg/L (Gambusia affinis)	EC ₅₀ 1700mg/L (Daphnia magna)	EC ₅₀ 207mg/L (Desmodesmus subspicatus)
Sodium carbonate	LC ₅₀ (96h): 300mg/L (Lepomis macrochirus)	EC ₅₀ (48h): 200-227mg/L (Ceriodaphnia)	Not available
Glycol ether EB	LC ₅₀ 1490 mg/L (Lepomis macrochirus), 96hr	EC ₅₀ 1700mg/L (Daphnia magna), 24hr	EC ₅₀ 720 mg/L (Pseudokirchnerella subcapitata)
Tetrasodium Ethylene Diamine Tetraacetate	LC ₅₀ (96 h): >500mg/L (Leuciscus idus)	EC ₅₀ (48h): >100mg/L	Not available
Sodium xylene sulfonate	LC ₅₀ (96h): >1000 mg/L	EC ₅₀ (48h): >40.3mg/L (Daphnia magna)	EC ₅₀ (96h): >230mg/L
Dye	Not available	Not available	Not available

Persistence and Degradability: Expected to be readily biodegradable.

Bioaccumulation/Accumulation: No information available.

Mobility: No information available.

Other adverse effects: None known

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 liquids, basic, inorganic, N.O.S. (Disodium Metasilicate)

Hazard Class: 8

UN Number: UN3266

Packing Group: III

Note: No additional remark.

Marine Pollutant: None

SECTION 15: REGULATORY INFORMATION

US TSCA Inventory Status: All ingredients of this product are either on the Toxic Substance Control Act (TSCA) Inventory List or exempt.

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

California Proposition 65: This product does not contain any chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm at concentrations that trigger the warning requirements of California Proposition 65.

SECTION 16: OTHER INFORMATION

Disclaimer – Notice to Reader

EnviroWay Detergent Manufacturing Incorporated, expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages. Do not use ingredient information and/or ingredient percentages in this SDS as a product specification. All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, EnviroWay makes no representations as to its accuracy or sufficiency. Conditions of use are beyond EnviroWay's control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.