

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Super 101 Engine Degreaser (#206)

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	1-5
Glycol ether EB	111-76-2	5-10
Tetrasodium ethylene diamine tetraacetate	64-02-8	1-5
Lauryl alcohol ethylene oxide	9002-92-0	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 incompatible 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
Glycol ether EB	20ppm / 96mg/m3	25ppm / 120mg/m3	Not available
Tetrasodium Ethylene Diamine Tetraacetate	Not available	Not available	Not available
Lauryl alcohol ethylene oxide	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, if handling large amounts and if there is significant probability of splashes.

Clothing: Rubber gloves, rubber apron, rubber boots

Other (Specify): An eye wash should be kept handy in case of emergency.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Purple liquid

Odour: Mild chemical scent

Odour Threshold (ppm): Information not available

pH: 12.0

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: 1.03

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.

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
Disodium Metasilicate	1153	Not listed	Not listed
Glycol ether EB	880	1060	925
Tetrasodium Ethylene Diamine Tetraacetate	Not listed	Not listed	Not listed
Lauryl alcohol ethylene oxide	4150	72000	8600
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)
Glycol ether EB	LC ₅₀ 1490 mg/L (Lepomis macrochirus), 96hr	EC ₅₀ 1700mg/L (Daphnia magna), 24hr	EC ₅₀ 720 mg/L (Pseudokirchnerell a subcapitata)
Tetrasodium Ethylene Diamine Tetraacetate	LC ₅₀ >500 mg/L, Leuciscus idus	EC ₅₀ >100 mg/L	Not available
Lauryl alcohol ethylene oxide	LC ₅₀ 1400 µg/L, 96hr	LC ₅₀ >6460 µg/L, 48hr	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

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