

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Citrus Floor Degreaser (#725)

Recommended use: Powdered floor 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.envioway.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

Acute toxicity – Oral	Category 5
Skin corrosion/irritation	Category 1B
Serious eye damage/irritation	Category 1
Skin sensitization	Category 1
STOT – single exposure	Category 3
Corrosive to metals	Category 1

Signal word Danger



Hazard statements

May be harmful if swallowed.

Causes severe skin burns and eye damage.

May cause an allergic skin reaction.

May cause respiratory irritation.

May be corrosive to metals.

Precautionary statements

Prevention Keep only in original container.
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 dust.
 Use only outdoors or in a well-ventilated area.

- Response** Immediately call a POISON CENTER/doctor.
 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 advice/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.
 Absorb spillage to prevent material-damage.
- Storage** Store locked up.
 Store in a well-ventilated place. Keep container tightly closed.
- 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	20-30
D'Limonene	5989-27-5	1-5
Nonlyphenol, 4-, branched, ethoxylated	127087-87-0	1-5
Disodium metasilicate	6834-92-0	30-40

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. Seek immediate medical attention.
IF ON SKIN (or hair): Wash with plenty of soap and water. Take off immediately all contaminated clothing and wash before reuse. Seek immediate medical attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Seek immediate medical attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.

SECTION 5: FIRE FIGHTING MEASURES

- Flammable:** No
Means of Extinction: Use water spray, dry chemical, CO₂ or alcohol foam.
Flashpoint: Information 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: Clean up spill with absorbent material and dispose of waste accordingly. Flush residue with water.

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 in normal room temperature and a well-ventilated place away from incompatible materials. Keep containers tightly closed when not in use. Wash thoroughly after handling.

*****KEEP OUT OF REACH OF CHILDREN*****

SECTION 8: PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Sodium carbonate	Not available	Not available	Not available
D'Limonene	Not available	Not available	Not available
Nonlyphenol, 4-, branched, ethoxylated	Not available	Not available	Not available
Disodium metasilicate	Not available	Not available	Not available

Gloves: Use rubber or plastic gloves.

Respirator: Use NIOSH approved equipment (full face-pipe recommended) when air-borne exposure limits are exceeded.

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

Clothing: Wear long sleeved shirt and trousers.

Other (Specify): Keep an eyewash station and safety shower available nearby.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow powder

Odour: Citrus scent

Odour Threshold (ppm): Information not available

pH: 12.5

Freezing Point: 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): Information not available

Vapour Density (air = 1): Information not available

Relative density: 1.57

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: Strong acids, aluminum, fluorine, and zinc.

Hazardous Decomposition Products: Burning liberates carbon monoxide, carbon dioxide and nitrous oxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
Sodium carbonate	2800	>2000	1.2
D'Limonene	4400	>5000	Not available
Nonlyphenol, 4-, branched, ethoxylated	2500	2500	1.15
Disodium metasilicate	1280	Not available	Not available

EFFECTS OF ACUTE EXPOSURE:

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

Eye Contact: Can cause serious eye damage. Corneal injury is possible and may result in blindness.

Inhalation: Generation of dust may cause irritation to the respiratory tract.

Ingestion: May be harmful if swallowed. May cause burns to the mouth, throat, esophagus and digestive tract.

Germ cell mutagenicity: Not applicable

Carcinogenicity: Not applicable

Reproductive toxicity: Not applicable

STOT single exposure: May cause irritation to the respiratory tract.

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 2,337 mg/kg

Dermal: LD50 128,865 mg/kg

Inhalation: LC50 59 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
D'Limonene	Not available	Not available	Not available
Nonlyphenol, 4-, branched, ethoxylated	LC ₅₀ (96h): >1mg/L	EC ₅₀ (48h): >1 mg/L (Daphnia magna)	EC ₅₀ (72h): >1 mg/L
Disodium metasilicate	LC ₅₀ (96h): 210mg/L (Danio rerio)	EC ₅₀ (48h): 1700mg/L (Daphnia magna)	EC ₅₀ (72h): 207mg/L (Desmodesmus subspicatus)

Persistence and Degradability: No information available.

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. (Disodium metasilicate)

Hazard Class: Class 8

UN Number: UN3262

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

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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