

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Power Clean Plus ENV-412

Recommended use: Detergent for carpet cleaning.

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

CONCENTRATE HAZARDS:

Hazard classification

Acute toxicity (oral)	Category 5
Skin corrosion/irritation	Category 2
Serious eye damage/irritation	Category 1

Signal word Danger



Hazard statements

May be harmful if swallowed.
Causes skin irritation.
Causes serious eye damage.

Precautionary statements

Prevention	Wash hands thoroughly after handling. Wear protective gloves, protection and face protection.
Response	Call a POISON CENTER/doctor if you feel unwell. IF ON SKIN (or hair): Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation 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.

SECTION 3: COMPOSITION

The following ingredients have hazardous properties:

Ingredient	CAS #	% by weight
Sodium carbonate	497-19-8	40-50
Sodium Percarbonate	15630-89-4	20-30
Alcohols, C12-16, ethoxylate	68551-12-2	5-10
Benzenesulfonic acid	68081-81-2	1-5
Disodium metasilicate	6834-92-0	1-5

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/doctor.

IF ON SKIN (or hair): Wash with plenty of water. Take off contaminated clothing and wash before reuse. If irritation persists, seek medical 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: If symptoms appear, remove victim to fresh air and keep comfortable. Seek medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Flammable: No

Means of Extinction: Use water spray, dry chemical, carbon dioxide or foam. Do not use a direct water stream. Alcohol resistant foams should be preferred for large scale fires, if 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: Mop spillage. Use a water rinse for final cleanup.

SECTION 7: HANDLING AND STORAGE

Handling Procedures and Equipment: Wear protective gloves, protective clothing, eye protection, and face protection. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe mist, vapours or spray. In case of inadequate ventilation wear respiratory protection. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Storage Requirements: Store in a dry, well-ventilated area. Store away from direct sunlight and heat. Store in original container away from incompatible materials. Store locked up.

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
Disodium metasilicate	Not available	Not available	Not available
Sodium Percarbonate	Not available	Not available	Not available
Benzenesulfonic acid	Not available	Not available	Not available

Gloves: Wear protective gloves.

Eye: Use chemical safety glasses. Contact lenses should not be worn.

Clothing: Wear protective clothing.

Other: An eyewash station and shower should be kept available nearby.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White powder

Odour: Odourless

Odour Threshold (ppm): Information not available

pH: 11.4 (10% aqueous solution)

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): Information not available

Vapour Density (air = 1): Information not available

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: Acidic material and strong oxidizers.

Hazardous Decomposition Products: May liberate carbon oxides.

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
Disodium metasilicate	1280	Not available	Not available
Sodium Percarbonate	2000	>2000	Not available
Benzenesulfonic acid	1080	>2000	Not available

EFFECTS OF ACUTE EXPOSURE:

Ingestion: May cause nausea, vomiting, and gastrointestinal irritation and diarrhoea. May be harmful if swallowed.

Skin Contact: Causes severe eye damage.

Eye Contact: Causes severe skin burns.

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 3,107mg/kg

Dermal: LD50 197,472mg/kg

Inhalation: LC50 565mg/L

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Sodium carbonate	LC ₅₀ (96h): 300mg/L (Bluegill sunfish)	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
Disodium metasilicate	LC ₅₀ (96h): 210mg/L (Danio rerio)	EC ₅₀ (48h): 1700mg/L (Daphnia magna)	EC ₅₀ (72h): 207mg/L (Desmodesmus subspicatus)

Sodium Percarbonate	LC ₅₀ (48h): 70.7mg/L (Pimephales promelas)	EC ₅₀ (48h): 4.9mg/L (Daphnia)	Not available
Benzenesulfonic acid	LC ₅₀ (96h): 3 mg/L	EC ₅₀ (48h): 1.62 - 9.3mg/L (Daphnia)	EC ₅₀ (72h): 29mg/L

Persistence and Degradability: No information available

Bioaccumulation/Accumulation: 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: Not regulated

Hazard Class: Not regulated

UN Number: Not regulated

Packing Group: Not regulated

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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