

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Chlorinated Dishwashing Compound (#1001)

Recommended use: Dishwashing powder

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 3

Serious eye damage/irritation Category 1

Signal word Danger



Hazard statements

May be harmful if swallowed.

Causes mild skin irritation.

Causes serious eye damage.

Precautionary statements

Prevention Wear eye protection and face protection.

Response 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 CENTER/doctor.

SECTION 3: COMPOSITION

The following ingredients have hazardous properties:

Ingredient	CAS #	% by weight
Sodium carbonate	497-19-8	30-40
Nonlyphenol, 4-, branched, ethoxylated	127087-87-0	1-5
Sodium sesquicarbonate	533-96-0	5-10
Sodium Percarbonate	15630-89-4	5-10
Sodium silicate	1344-09-8	1-5
Sodium polyacrylate	9003-04-7	1-5
Citric acid	77-92-9	1-5
Sodium dichloroisocyanurate	2893-78-9	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 with water. If irritation or discomfort persists, seek medical attention.

IF ON SKIN: Wash thoroughly after handling. 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. Seek immediate medical attention.

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, alcohol-resistant foam, dry chemical or carbon dioxide.

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.

SECTION 7: HANDLING AND STORAGE

Handling Procedures and Equipment: Handle in accordance with good industrial hygiene.

Storage Requirements: Store in a dry and well ventilated place away from incompatible materials. Avoid contact with skin and eyes.

*****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
Nonlyphenol, 4-, branched, ethoxylated	Not available	Not available	Not available
Sodium sesquicarbonate	Not available	Not available	Not available
Sodium Percarbonate	Not available	Not available	Not available
Sodium silicate	Not available	Not available	Not available
Sodium polyacrylate	Not available	Not available	Not available
Citric acid	Not available	Not available	Not available
Sodium dichloroisocyanurate	Not available	Not available	Not available

Gloves: Not required under regular use but it is good practice to wear safety gloves.

Respirator: Not required for regular use.

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

Footwear: Not required for regular use.

Clothing: Wear protective clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White powder

Odour: Slight chlorine scent

Odour Threshold (ppm): Information not available

pH: 10.5-11

Freezing Point: Information not available

Initial Boiling Point/Range: Information not available

Flash point: Information not available

Evaporation Rate: Information not available

Flammability: Information not available

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: Miscible

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: Not known

Materials to Avoid: Strong oxidizers

Hazardous Decomposition Products: Oxides, carbon monoxide and carbon dioxide in case of fire.

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
Sodium carbonate	2800	>2000	1.2
Nonlyphenol, 4-, branched, ethoxylated	2500	2500	1.15
Sodium sesquicarbonate	>2000	Not available	>5.03
Sodium Percarbonate	2000	>2000	Not available
Sodium silicate	3400	>5000	>2.06
Sodium polyacrylate	>5000	>5000	>15.23
Citric acid	3000	Not available	Not available
Sodium dichloroisocyanurate granular	1420	Not available	Not available

EFFECTS OF ACUTE EXPOSURE:

Ingestion: May be harmful if swallowed. Ingestions of large amounts may cause nausea, headaches, vomiting and diarrhoea.

Skin Contact: Causes mild skin irritation.

Eye Contact: Causes severe eye damage.

Inhalation: Generation 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 3,403 mg/kg

Dermal: LD50 57,273 mg/kg

Inhalation: LC50 26.3 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
Nonlyphenol, 4-, branched, ethoxylated	LC ₅₀ (96h): >1mg/L	EC ₅₀ (48h): >1 mg/L (Daphnia magna)	EC ₅₀ (72h): >1 mg/L
Sodium sesquicarbonate	Not available	Not available	Not available
Sodium Percarbonate	LC ₅₀ (48h): 70.7mg/L (Pimephales promelas)	EC ₅₀ (48h): 4.9mg/L (Daphnia)	Not available
Sodium silicate	LC ₅₀ (96 h): 1108 mg/L (Brachydanio rerio)	EC ₅₀ (48 h): 1700 mg/L (Daphnia magna)	Not available
Sodium polyacrylate	LC ₅₀ (96h): 700 mg/L (Oncorhynchus mykiss)	EC ₅₀ (48h): >1,000 mg/L (Daphnia magna)	EC ₅₀ (96h): >180 mg/L
Citric acid	LC ₅₀ (96h): 440- 706mg/L (Carassius auratus)	Not available	Not available
Sodium dichloroisocyanurate granular	LC ₅₀ (96h): 0.283 mg/L (Lepomis macrochirus)	EC ₅₀ (48h): 0.15 mg/L (Daphnia magna)	Not available

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: Not Regulated

Hazard Class: Not applicable

UN Number: Not Applicable.

Packing Group: Not applicable

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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