

# SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION

**Product name:** Scale Away (#1011)

**Recommended use:** Descaler

**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](http://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

Acute toxicity (oral)	Category 5
Acute toxicity (dermal)	Category 5
Acute toxicity (inhalation)	Category 4
Skin corrosion/irritation	Category 1
Serious eye damage/irritation	Category 1
Corrosive to metals	Category 1

**Signal word**     Danger



#### Hazard statements

May be harmful if swallowed.  
May be harmful in contact with skin.  
May be harmful if inhaled.  
Causes severe skin burns and eye damage.  
May be corrosive to metals.

#### Precautionary statements

**Prevention**     Keep only in original packaging.

	Wash thoroughly after handling.
	Wear protective gloves, protective clothing, eye protection, and face protection.
	Do not breathe mist, vapours or spray.
<b>Response</b>	Absorb spillage to prevent material-damage.
	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a poison centre/doctor if you feel unwell.
	IF ON SKIN (or hair): Rinse skin with water/shower. Remove/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.
	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	Immediately call a POISON CENTRE or doctor/physician.
<b>Storage</b>	Store locked up.
<b>Disposal</b>	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
Phosphoric acid	7664-38-2	90-100

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:** if swallowed, rinse mouth. Do NOT induce vomiting. Call a POISON CENTRE/doctor if you feel unwell.

**IF ON SKIN (or hair):** Immediately call a POISON CENTER or doctor/physician. Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.

**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 at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTRE or doctor/physician.

### SECTION 5: FIRE FIGHTING MEASURES

**Flammable:** No

**Means of Extinction:** In case of fire: Use dry chemicals, CO<sub>2</sub>, alcohol foam or water spray.

**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, cool, well-ventilated area. Store away from direct sunlight and heat. Do not allow to freeze. Store in original container with closed lid, away from incompatible materials such as strong oxidizing agents. Store locked up.

## SECTION 8: PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Phosphoric acid	(STEL)3 mg/m <sup>3</sup>	(TWA)1 mg/m <sup>3</sup>	(TWA)1 mg/m <sup>3</sup> , (STEL)3 mg/m <sup>3</sup>

**Gloves:** wear protective gloves

**Eye:** wear eye and face protection

**Clothing:** wear protective clothing

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** yellow liquid

**Odour:** distinct musty odour

**Odour Threshold (ppm):** Information not available

**pH:** 1.2

**Freezing Point:** -20°C

**Initial Boiling Point/Range:** 110°C

**Flash point:** Information not available

**Evaporation Rate:** Slow

**Flammability:** Not flammable

**Upper/lower flammability/explosive limit:** Information not available

**Vapour Pressure (mmHg):** Not known

**Vapour Density (air = 1):** >1

**Relative density:** 1.13

**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:** Will not occur.

**Materials to Avoid:** Fluorine, strong oxidizing agents, strong reducing agents, strong bases, metals, sulphur trioxide, phosphorus pentoxide.

**Hazardous Decomposition Products:** May release phosphoric oxides on thermal decomposition.

## SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
Phosphoric acid	1530	2740	0.8445

### 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 2219mg/kg

**Dermal:** LD50 3975mg/kg

**Inhalation:** LC50 1.22mg/L

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Phosphoric acid	24-hour TLm = 138 ppm (Mosquito Fish, Fresh water)	Not available	Not available

**Persistence and Degradability:** Biodegradable.

**Bioaccumulation/Accumulation:** No bioaccumulation expected.

**Mobility:** Mobile in soil.

**Other adverse effects:** Dangerous to aquatic life in high concentrations. Phosphate has indirect long term effect on ecosystems due to eutrophication.

## 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 liquid, acidic, inorganic, N.O.S. Phosphoric acid

**Hazard Class:** Class 8

**UN Number:** UN3264

**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

## SECTION 16: OTHER INFORMATION

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