

MATERIAL SAFETY DATA SHEET

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Valid: Nov. 2011 - Nov. 2013

PRODUCT NAME: LAUNDRY ALKALI **CODE: L507**
OTHER NAME: DLA220
DISTRIBUTED BY:

WHMIS CLASSIFICATION: E
TDG CLASSIFICATION: Not Regulated

HAZARDOUS INGREDIENTS	%WT/WT	CAS NO.	TOXICITY DATA (LD₅₀ & LC₅₀)
Sodium Carbonate	40-70	497-19-8	LD ₅₀ Oral (rat) 2800 mg/kg ACGIH TLV - 10 mg/m ³
Sodium Metasilicate	15-40	6834-92-0	LD ₅₀ Oral (rat) 847 mg/kg

PHYSICAL DATA FOR PRODUCT

Physical State: Solid
Boiling Point: N/A
Vapour Density: N/A
Freezing Point: N/A
Solubility in Water: 10 %
Appearance & Odour: White granular powder with no odour.

Sp. Gravity: Not Avail. pH: 1% sol. 11.9
Vapour Pressure: N/A
Evaporation Rate: N/A

FIRE AND EXPLOSION DATA FOR PRODUCT

Flash Point (Test Method): N/A
Flammable Limits in Air, % by vol. Non-flammable Lower: N/A Upper: N/A
Fire Extinguishing Substances: (X) Water Fog () Foam () CO₂ () Dry Chem () Other:
Hazardous Combustion Products: Not Avail.

Special Firefighting Procedures: N/A

REACTIVITY DATA FOR PRODUCT

Incompatibility: () Water () Oxidizing Material (X) Acid () Base
(X) Other: Flammable hydrogen may be produced on prolonged contact with metals such as aluminum, tin, lead and zinc.
Hazardous Decomposition Products:
May liberate carbon monoxide, carbon dioxide and oxides of sodium.

Chemical Stability: Stable under normal conditions.

*N/A - Not applicable.

Product Name: **LAUNDRY ALKALI (DLA220)**

HEALTH HAZARD INFORMATION FOR PRODUCT
EMERGENCY and FIRST AID PROCEDURES

Inhalation: Remove from exposure. Get fresh air.

Ingestion: Do not induce vomiting. Drink milk, egg whites, gelatin solution or large quantities of water. Get immediate medical attention.

Eyes: Flush with plenty of water for at least 15 minutes. If irritation persists, get medical attention.

Skin: Flush with plenty of water.

EFFECTS OF OVEREXPOSURE (Acute and Chronic)

Inhalation: Irritation of the respiratory tract, inflammation of the lungs.

Ingestion: Burning in mouth and esophagus, nausea, abdominal pain and diarrhea.

Eyes: Severe irritation; may cause conjunctival edema.

Skin: Will cause irritation. May cause burns, dermatitis.

PREVENTIVE MEASURES

Steps to be taken upon release or spillage (including neutralizing):
Sweep, scoop or vacuum discharged material. Flush residue with water. Observe environmental regulations.

Waste disposal method: Neutralize with dilute acid and landfill solids according to local, provincial and federal regulations. Flush residue with water. Observe environmental regulations.

Handling and Storage Requirements: Store in cool, dry area away from acids. Prolonged storage may cause product to cake and become wet from atmospheric moisture.

Ventilation Requirements (Local or General):
Use with adequate ventilation.

Respiratory Protection:
Use approved dust respirator where dust occurs.

Eye Protection:
Chemical Workers goggles

Other Protection:
Rubber gloves may be worn and coveralls should be worn to minimize contact with skin.