MATERIAL SAFETY DATA SHEET

OSTREM CHEMICAL CO. LTD.
2310 - 80 AVENUE
EDMONTON AB T6P 1N2

Phone: (780) 440-1911
In Case of Emergency Only:
Phone CANUTEC: (613) 996-6666

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PRODUCT NAME: KAIPOW DEGREASER **CODE: G612**
OTHER NAME:
DISTRIBUTED BY: KAIVAC INC.

WHMIS CLASSIFICATION: E
TDG CLASSIFICATION: SODIUM HYDROXIDE, SOLUTION; Class 8; UN 1824; PG II

HAZARDOUS INGREDIENTS	%WT/WT	CAS NO.	TOXICITY DATA (LD_{50} & LC_{50})
Sodium Hydroxide (50% Sol)	5-10	1310-73-2	LD_{50} Oral (rat) 500 mg/kg
Sodium EDTA	0.5-1.5	64-02-8	LD_{50} Oral (rat) 3030 mg/kg
Sodium Metasilicate	1-5	6834-92-0	LD_{50} Oral (rat) 847 mg/kg

PHYSICAL DATA FOR PRODUCT

Physical State: Liquid
Sp.Gravity: 1.070
pH: 12.5
Boiling Point: 100°C - 212°F
Vapour Pressure: Same as water
Vapour Density: Same as water
Evaporation Rate: Not Avail.
Freezing Point: 0°C
Solubility in Water: 100%
Appearance & Odour: Clear green liquid with citrus fragrance.

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 ( ) CO_2
( ) Dry Chem ( ) Other:
Hazardous Combustion Products: Carbon oxides.

Special Firefighting Procedures: As for surrounding fire.

REACTIVITY DATA FOR PRODUCT

Incompatibility: ( ) Water (X) Oxidizing Material (X) Acid ( ) Base
(X) Other: Aluminum and magnesium.
Hazardous Decomposition Products: Carbon dioxide, carbon monoxide are produced on thermal decomposition.

Chemical Stability: Stable.

*N/A - Not applicable.

Product Name: **KAIPOW DEGREASER**

HEALTH HAZARD INFORMATION FOR PRODUCT

EMERGENCY and FIRST AID PROCEDURES

Inhalation: Move to fresh air and get medical attention.

Ingestion: Rinse mouth well with water. Drink large quantities of water or milk. Do not induce vomiting. Get immediate medical attention.

Eyes: Flush with plenty of water for 15 minutes. Use eye irrigation fountain if available. Get medical attention.

Skin: Remove contaminated clothing and flush skin with water. Get medical help.

EFFECTS OF OVEREXPOSURE (Acute and Chronic)

Inhalation: May cause irritation of respiratory tract.

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

Eyes: Causes severe irritation to eyes.

Skin: Causes irritation. May cause burns.

PREVENTIVE MEASURES

Steps to be taken upon release or spillage (including neutralizing):

Do not let chemical enter sewers or waterways. With large spills, dyke for later disposal. Neutralize minor spills with dilute acid (hydrochloric or sulphuric) before washing away with plenty of water.

Waste disposal method:

Neutralize the waste with acid and bury in a secured sanitary landfill. Follow local, provincial and federal regulations.

Handling and Storage Requirements:

Store in cool, dry area above freezing temperature.

Ventilation Requirements (Local or General):

Use under well ventilated area.

Respiratory Protection:

A mask should be worn. When the product is diluted at least 1:10, a mask is not necessary.

Eye Protection:

Safety glasses with sideshield should be worn.

Other Protection:

Rubber gloves and boots should be worn.