

MATERIAL SAFETY DATA SHEETS

Manufacturer's Name: MCS Industries Ltd.
Address: Unit 111 19292 60th Avenue
Surrey, B.C., Canada V3S 3M2

Product Name: HEAVY DUTY CLEANER & DEGREASER
MSDS No.: MCS 001 **Date:** January 2005
Emergency Assistance: Call (604) 469-0160 or Canutec (613) 996-6666
Chemical Family: Alkaline Detergent Solution
Chemical Formula: N/Applic
Material Use: Industrial Cleaning Use

HAZARDOUS INGREDIENTS

Potassium Hydroxide - 5-15% - C.A.S. 1310-58-3
Butyl Cellosolve - 5-7% - C.A.S. 111-76-2
Sodium Metasilicate - 5-7% - C.A.S. 6834-92-0

PHYSICAL DATA

Liquid: Pleasant fruit odour - Red in colour
Boiling Point: 100 Degrees Celsius
Freezing Point: 0 Degrees Celsius
% Volatile by Volume: 83
Solubility in Water: 100%
ph: 13.8
Specific Gravity: 1.0

FIRE & EXPLOSION DATA

Flammability: No

REACTIVITY DATA

Chemical Stability: Yes
Incompatibility with other Substances: Yes - Aluminum or Zinc Containers
Reactivity & Under What Conditions: None
Hazardous Decomposition Products: None

TOXICOLOGICAL PROPERTIES

Skin Contact: Yes
Skin Absorption: No
Eye Contact: Yes
Inhalation Acute: No
Inhalation Chronic: No
Ingestion: Yes
Effects of Acute Exposure to Material: None expected at industrial use final dilution
Effects of Chronic Exposure to Material: None expected at industrial use final dilution



LD50 of Material:	N/Avail
LC50 of Material:	N/Avail
Legislative Exposure Limit of Material:	N/Avail
Irritancy of Material:	N/Avail
Sensitizing Capability of Material:	N/Avail
Carcinogenicity:	None
Reproductive Effects of Material:	N/Avail
Synergistic Materials:	N/Avail

PREVENTATIVE MEASURES

Gloves:	Rubber
Respiratory:	Niosh/Msha Approved Respirator
Eye:	Chemical Goggles
Footwear:	Rubber Boots
Clothing:	Rubber Apron
Other:	None
Engineering Controls:	Local Ventilation
Leak & Spill Procedure:	Small Spills, wash w/water, Large Spills, use Floor-Dry
Waste Disposal:	Dispose of according to government regulations
Handling Procedures:	Keep containers tightly closed
Storage Requirements:	Store at room temperature & out of direct sunlight
Special Shipping Information:	Potassium Hydroxide Solution, Class 8, UN 1814 PG 11 Handle empty containers as if full.

FIRST AID MEASURES

Skin Contact:	Wash with soap & water
Eye Contact:	Flush with cool water, particularly under eye lids. Get medical attention
Inhalation:	Remove to fresh air. If breathing is abnormal, get medical attention.
Ingestion:	Swallow large quantities of water. Get medical attention.
Sources Used:	Chemical Department
Additional Information:	Take off & wash contaminated clothing.

CAS = Chemical Abstract Service Number ND = No Relevant Information or Not Available
 PEL = OSHA Permissible Exposure Limit NA = Not Applicable
 TLV = ACGIN Threshold Limit Value, Current CEL = Corporate Exposure Limit

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