

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION AND USE

Product Identifier: HEAVY DUTY INDUSTRIAL CLEANER
Product Use: HEAVY DUTY INDUSTRIAL CLEANER
Supplier: SHARE CANADA
Address: 1691 CHURCH AVENUE, WINNIPEG, MANITOBA R2X 2Y7
Telephone: (204) 633-8553 Fax: (204) 633-8453 CANUTEC: (613) 996-6666

SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS Number	Weight %	LD ₅₀	LC ₅₀
2-Butoxyethanol ACGIH TLV 25 ppm (skin)	111-76-2 OSHA PEL 50 ppm (skin)	1 - 5.0%	1480mg/kg (oral / rat)	450 ppm (rat, 8 hour)
Sodium Metasilicate	6834-92-0	1 - 5.0%	1280mg/kg (oral / rat)	Not available.
Sodium tripoly- phosphate	7758-20-4	1 - 5 %	Not available.	Not available.
Potassium Hydroxide ACGIH TLV 2 mg/ m ³ C	1310-58-3 OSHA PEL 2 mg/ m ³ C	1 - 5.%	365mg/kg (oral / rat)	Not available.

SECTION III - PHYSICAL DATA

Physical State: LIQUID **Specific gravity:** 1.06
pH: 13.00 – 13.75
Odour and appearance: CLEAR BLUE LIQUID, LAVENDER SCENT.
Odour threshold: Not available.
Vapour pressure (mm Hg): Not available. **Vapour density (air = 1):** Not available.
Evaporation rate (water = 1): Not available. **% volatile by volume:** 4 %
Solubility in water: SOLUBLE.
Boiling Point (C⁰): Not available. **Freezing Point (C⁰):** Not available.
Coefficient of water/oil distribution: Not available.

SECTION IV - FIRE AND EXPLOSION DATA

Flammable or combustible: NOT FLAMMABLE **Flashpoint and method:** NONE - T.C.C.
Upper flammable limit: Not applicable. **Lower flammable limit:** Not applicable.
Autoignition temperature: Not applicable. **Flammability classification:** Not applicable.
Conditions of flammability: NONE.
Means of extinction: WATER, FOAM, CARBON DIOXIDE, DRY CHEMICAL
Special fire fighting procedures: COOL FIRE-EXPOSED CONTAINERS WITH WATER FOG.
FIREFIGHTERS SHOULD BE EQUIPPED WITH FULL PROTECTIVE GEAR INCLUDING A SELF-CONTAINED BREATHING APPARATUS.
Hazardous combustion products: OXIDES OF CARBON
Sensitivity to mechanical impact: NOT SENSITIVE.
Sensitivity to static discharge: NOT SENSITIVE

SECTION V - REACTIVITY DATA

Is the product stable: STABLE
Incompatible substances: STRONG ACIDS AND OXIDIZERS.
Conditions of Reactivity: EXCESSIVE HEAT AND OPEN FLAME.
Hazardous decomposition products: THERMAL DECOMPOSITION MAY PRODUCE OXIDES OF CARBON.

SECTION VI - TOXICOLOGICAL PROPERTIES

Primary routes of exposure: SKIN AND EYE CONTACT, SKIN ABSORPTION, INGESTION, INHALATION.

WHMIS Classification: CLASS E - CORROSIVE

Irritant: YES- MODERATE TO SEVERE

Carcinogen: NO - IARC / NTP

Sensitizer: NO

Mutagen: NO

Reproductive effects: NONE KNOWN

Synergistic products: NONE KNOWN

Effects of acute exposure: SEVERE EYE IRRITATION, REDNESS, TEARING. POSSIBLE DESTRUCTION OF TISSUE. MODERATE TO SEVERE SKIN IRRITATION, CHAPPING AND DERMATITIS, BURNS AND ULCERATIONS. RESPIRATORY TRACT IRRITATION, DIZZINESS, HEADACHE IF INHALED. BURNS TO MUCOUS MEMBRANES, NAUSEA, CRAMPS AND DIARRHEA ON INGESTION. MAY BE HARMFUL IF SWALLOWED.

SECTION VII - PREVENTION MEASURES

Gloves: CHEMICAL RESISTANT.	Respirator: NIOSH APPROVED RESPIRATOR WHERE EXPOSURE LIMITS ARE EXCEEDED	Eye protection: SAFETY GLASSES OR CHEMICAL GOGGLES.
Footwear: NO SPECIAL REQUIREMENTS.	Clothing: PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.	Other requirements: EYE WASH STATION.

Engineering Controls: LOCAL VENTILATION RECOMMENDED.

Respiratory protection: USE WITH ADEQUATE VENTILATION. DO NOT BREATHE VAPOURS OR MISTS. WEAR A NIOSH APPROVED RESPIRATOR IF EXPOSURE LIMITS WILL BE EXCEEDED.

Leak or spill procedures: VENTILATE AREA AND REMOVE SOURCES OF IGNITION. CONTAIN SPILL. SOAK UP ON INERT ABSORBENT MATERIAL AND PLACE IN A PROPERLY LABELLED CLOSED CONTAINER FOR PROPER DISPOSAL.

Waste disposal: CONTACT LOCAL ENVIRONMENTAL AUTHORITIES.

Handling and storage requirements: STORE IN A COOL, DRY AREA AWAY FROM ACIDS, HEAT OR OPEN FLAME. DO NOT MIX WITH ANY OTHER CLEANING CHEMICALS. RINSE CONTAINER BEFORE DISCARDING. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN.

Special shipping information: CORROSIVE LIQUID N.O.S. (POTASSIUM HYDROXIDE) CLASS 8 UN1760 PACKING GROUP III. LIMITED QUANTITIES IN CONTAINERS UP TO 5 LITRES.

SECTION VIII - FIRST AID MEASURES

Eyes: FLUSH EYES AND UNDER EYELIDS WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES. CONTINUE FLUSHING UNTIL MEDICAL ATTENTION IS OBTAINED.

Skin: REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE RE-USE. FLUSH SKIN WITH WATER WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES. OBTAIN MEDICAL ATTENTION IF IRRITATION PERSISTS.

Ingestion: CONTACT PHYSICIAN OR POISON CONTROL CENTRE IMMEDIATELY. RINSE MOUTH WITH WATER AND GIVE PERSON 1 – 2 GLASSES OF WATER. . DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Inhalation: REMOVE PERSON TO FRESH AIR. CALL A PHYSICIAN IF IRRITATION PERSISTS.

SECTION IX - PREPARATION DATA

Information Sources: SUPPLIERS' MATERIAL SAFETY DATA SHEET.

Prepared by: SHARE CANADA

Telephone: (204) 633-8553

Preparation date: February 28, 2011