Hot Tank Cleaner

DESCRIPTION

Hot Tank is a highly concentrated alkaline cleaner containing surfactants, wetting and sequestering agents. ***Hot Tank*** removes rust, paint, varnish, dirt, gummy deposits, carbon and grease. ***Hot Tank*** extends tank life, prevents excessive soil carry over to oil tank. ***Hot tank*** has superior rinsability and is cost effective.

SPECIAL INFORMATION

Hot Tank solutions are most effective when heated, 82.2 ^{o}C (180 ^{o}F) is the optimum temperature. Better cleaning performance with increase temperature.

DIRECTIONS

High pressure machines:

1 - 2 lbs./50 gal. of water (nozzle concentration)

Hot tanks and paint or varnish remover:

½ - 2 lbs./gal. of water, depending on soil conditions.

PHYSICAL DATA

Appearance	Powder
Color	Brown
Foam	Low
Odor	None
pH (3.1%)	13 – 14 @ 3.1% in water

For further information, please review the MSDS and Product Label or consult your Maxim Representative.

MATERIAL SAFETY DATA SHEET

MANUFACTURER: MAXIM CHEMICAL INTERNATIONAL LTD.
1305 HALIFAX STREET, REGINA, SK S4R 1T9
PHONE: (306) 347-0444

SECTION (1): PRODUCT IDENTIFICATION AND USE

PRODUCT NAME: HOT TANK DEGREASER & DERUSTER

PRODUCT USE: HOT TANK CLEANER

WHMIS CLASSIFICATION: E
TDG CLASSIFICATION: Corrosive, solids, N.O.S., (Sodium Hydroxide)
Class 8, UN 1759, Packing Group II

SECTION (2): HAZARDOUS INGREDIENTS

	CAS #	Range % (by weight)
Sodium Hydroxide	1310-73-2	60.0-100.0
Exposure Limits: ACGIH TLV 2 ppm		
LD50 (oral, rat): 340 mg/kg		
LD50 (dermal): 1350 mg/kg		
LC50: Not available		
Sodium Carbonate	497-19-8	7.0-13.0
Exposure Limits: ACGIH TLV 10 ppm		
LD50 (oral, rat): 2800 mg/kg		
LD50 (dermal); Not available		
LC50: Not available		
Sodium Metasilicate	6834-92-0	5.0-10.0
LD50 (oral, rat): 1154 mg/kg		
LD50 (dermal): Not available		
LC50: Not available		

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SECTION (3): PHYSICAL DATA (Typical values. May vary from sample to sample)

Physical State:	Solid
Appearance and Odour:	Tan powder with pine odour
Boiling Point:	Not Applicable
Specific Gravity:	Not available
Solubility in Water:	>10 g/100 ml
pH:	Alkaline
Odour Threshold:	No data
Vapour Pressure:	Not Applicable
Vapour Density:	Not Applicable
Evaporation Rate:	Not Applicable
Freezing Point:	Not Applicable
Coefficient of Water/Oil Distribution:	Greater than 1.0

SECTION (4): FIRE AND EXPLOSION HAZARD DATA

Flash Point (Closed cup):	Not applicable. This product is a non-flammable dry mixture.
Extinguisher Media:	Water, foam, carbon dioxide. Use extinguishing media suitable for surrounding fires.
Special Fire Fighting Procedures:	Wear NIOSH/MSHA approved self contained breathing apparatus for fire fighting situations. Use water spray to cool all nearby fire exposed surfaces.
Unusual Fire and Explosion Hazard:	None known
Flammable Limits:	None known
Auto-ignition Temperature:	None
Conditions of Flammability:	None
Explosion Data:	
Sensitivity to Mechanical Impact:	None
Sensitivity to Static Discharge:	None

SECTION (5): REACTIVITY DATA

Stability:	Stable
Incompatibility (Materials to avoid):	Strong acids
Hazardous Decomposition Product:	Carbon oxides. Flammable hydrogen gas may be produced in solution with metals as magnesium, aluminum, zinc, tin.
Hazardous Polymerization:	Will not occur

SECTION (6): TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY INFORMATION:	Skin and eye contact inhalation.
Irritancy:	Corrosive to skin, eyes and respiratory tract.
Effects of Accute Exposure to Product:	Exposure to product can cause severe burns, or damage to skin and eyes.. Inhaling product dust causes respiratory discomfort such as breathing problems, burning coughing, etc. Ingestion may cause gastrointestinal and abdominal damage.
Effect of Chronic Exposure to Product:	Prolonged or repeated exposure can cause skin damage or dermatitis, respiratory disorder or lung damage.
Exposure Limits:	See Section (2) under Hazardous Ingredients.
Sensitization to Product:	No data
Carcinogenicity:	None known
Reproductive Toxicity:	None known
Teratogenicity:	None known
Mutagenicity:	None known
Name of Toxicologically Synergistic Product:	None known

SECTION (7): PREVENTATIVE MEASURES

Respiratory Protection:
Use a NIOSH/MSHA approved dust respirator if product dust is generated.

Ventilation:
Use with good general ventilation, or local exhaust ventilation for dust generated in confined areas

Protective Gloves:
Natural or butyl rubber, nitrile or neoprene gloves.

Eye Protection:
Chemical goggles, safety goggles or face shield.

Disposal Procedures for Spills or Leaks:
Wear protective equipment including respirator. Sweep up material and scoop into an approved dry waste container. Keep material away from sewers and natural waters.

Waste Disposal Method:
Reuse if possible, or otherwise dispose of in accordance with all local, provincial or federal regulations.

SECTION (7): PREVENTATIVE MEASURES (cont'd)

Other Precautions:

Use good industrial hygiene. Do not get in eyes, on skin or on clothing. Do not breathe dust. Do not ingest. Keep containers tightened when not in use. Store in upright position. Do not mix with any other chemicals. Wash thoroughly after handling. Use only with adequate ventilation.

SECTION (8): FIRST AID PROCEDURES

EYES:	Flush with plenty of water for 15 minutes. Get medical attention.
SKIN:	Wash well with plenty of water for 15 minutes. If skin irritation develops contact a physician.
INHALATION:	Remove to fresh air.
INGESTION:	Give plenty of water to drink. Do not induce vomiting. Call a physician.

SECTION (9): PREPARATION INFORMATION

Prepared by Technical Advisory services. Phone: (306) 347-0444

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