

Manufactured by:
TENNANT
701 North Lilac Drive
P.O. Box 1452
Minneapolis, MN 55440-1452

MATERIAL SAFETY DATA SHEET

High Alkaline Granular Degreaser



EMERGENCY PHONE NUMBERS:

CHEMTREC: (800) 424-9300 (24 hrs)
CANADA: CANUTEC (613) 996-6666 (24 hrs)

District of Columbia: (202) 483-7616 (24 hrs)
MSDS Requests: (800) 553-8033

PREPARATION INFO:

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This Material Safety Data Sheet (MSDS) has been prepared in compliance with the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein.

Issue Date: July 27, 2009	HAZARD RATING	NFPA	HMS	NFPA	HMS	4 = Extreme	3 = High	0 = Insignificant
Supersedes:	Health	3	3	Reactivity	0	2 = Moderate	1 = Slight	COR = Corrosive
Printed: 1/14/2010	Fire	0	0	Special	COR			X = Ask supervisor for guidance.

***** I. IDENTIFICATION *****

PRODUCT NAME: High Alkaline Granular Degreaser

US DEPT OF TRANSPORTATION (GROUND):

UN#: UN1759

PACKAGING GROUP: II

PART NUMBER: 9006782, 9006783

HAZARD CLASSIFICATION: Corrosive

CHEMICAL FAMILY: Alkaline Detergent

SHIPPING NAME: Corrosive Solids, N.O.S.

MATERIAL USE: Industrial Detergent for Floors

(Contains caustic alkali and Sodium Metasilicate)

***** II. PHYSICAL DATA *****

BOILING POINT:	Not Applicable / Not Applicable	FREEZE POINT:	Not Applicable / Not Applicable
DENSITY:	2.1 kg/L	% VOLATILE:	20 by wt
SOLUBILITY IN WATER:	Appreciable	VAPOR PRESSURE:	Not Available mm Hg at 20 °C.
ODOR THRESHOLD:	Not Available	pH:	12.5 @ 3%
PHYSICAL FORM:	Powder	VAPOR DENSITY:	Heavier THAN AIR
APPEARANCE AND ODOR:	Light buff, granular/Soap	COEFFICIENT WATER/OIL DISTRIBUTION:	Not Available
EVAPORATION RATE:	Not applicable THAN N-BUTYL ACETATE	VOC g/L (lb/gal):	0 (0.00)
MECHANICAL IMPACT:	Not Available	STATIC DISCHARGE:	Not Available

***** III. INGREDIENTS *****

All components are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory. Hazardous ingredients, defined as Controlled Products by Canadian WHMIS, are identified by (HZD) after the chemical ingredient. This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations) and the MSDS contains all of the information required by the CPR.

<u>CHEMICAL</u>	<u>CAS #</u>	<u>% W</u>	<u>OSHA PEL</u> <u>ppm</u>	<u>ACGIH TLV</u> <u>TWA ppm</u>	<u>ACGIH TLV</u> <u>STEL ppm</u>	<u>LD50</u>	<u>LC50</u> <u>INHALATION</u>
Sodium Carbonate (HZD)	497-19-8	40-50	Not Available	Not Available	Not Available	Not Available	Not Available
Sodium Metasilicate (HZD)	6834-92-0	20-30	Not Available	Not Available	Not Available	1034 mg/kg (oral rat-combined sexes)	>4580 mg/m3 (inhalation 1 hr, rat)
Sodium dodecyl sulphate (HZD)	151-21-3	1-5	Not Available	Not Available	Not Available	Not Available	Not Available
Sodium Carbonate Peroxyhydrate (HZD)	15630-89-4	10-20	Not Available	Not Available	Not Available	Not Available	Not Available

SARA Title III Section 313 Information: Components present in this product at a level which could require reporting under this statute are:
None

California Proposition 65 Information: This product contains the following chemicals designated as cancer and/or reproductive hazards under California Proposition 65.
None

***** IV. FIRE AND EXPLOSIVE HAZARD DATA *****

FLAMMABLE: No **FLASH POINT:** Not Available / Not Available Setflash
FLAMMABLE LIMITS: % LEL: Not Available % UEL: Not Available **AUTOIGNITION TEMPERATURE** Not Available / Not Available
EXTINGUISHING MEDIA: Will not burn. Use media appropriate for surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES:
Fire fighters should wear full face, self contained breathing apparatus and impervious protective clothing.
UNUSUAL FIRE EXPLOSION HAZARD:
Solutions of Alkaline pH Degreaser - Red in contact with soilages containing reactive metals (i.e., Aluminum, Magnesium, etc.), can produce potentially explosive concentrations of Hydrogen and Oxygen gas. Empty scrubber daily or raise hood after use to minimize explosion danger.

***** V. REACTIVITY DATA *****

STABILITY: Stable **HAZARDOUS POLYMERIZATION (May Occur/Will Not Occur):** Will Not
CONDITIONS TO AVOID: Flammable hydrogen gas may be produced on contact with metals such as aluminum, tin, lead and zinc: especially in the presence of moisture.
INCOMPATIBILITY (materials to avoid): Strong acids and oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide, nitrogen oxides, oxides of phosphorus, hydrogen gas and sodium oxide.

***** VI. HEALTH HAZARD DATA *****

EFFECTS OF OVEREXPOSURE: **THRESHOLD LIMIT VALUE - See Section III for individual ingredients.**
PRIMARY ROUTES OF ENTRY: Inhalation & Skin Contact
SKIN CONTACT/ABSORPTION: Contains alkaline materials that can cause skin burns.
EYE CONTACT: Immediate severe irritation, inflammation with possible eye injury. During application of this product, contact lenses should NOT be worn.
INGESTION (Swallowing):
Contains materials which will cause a burning sensation, gastric upset, diarrhea and severe inflammation to mucous membranes.
INHALATION (Breathing):
Slight headache. May burn nasal passages.
SUPPLEMENTAL HEALTH INFORMATION:
All ingredients are NOT carcinogenic, based on the International Agency for Research on Cancer (IARC) and the National Toxicology Program (NTP).

***** VII. EMERGENCY AND FIRST AID PROCEDURES *****

SKIN CONTACT: IMMEDIATELY wash exposed areas with mild soap and water. Rinse thoroughly with cool water. Pat dry. DO NOT RUB SKIN. Seek medical attention if irritation develops and persists. Wash clothing before reuse.
EYE CONTACT: Flush immediately with water for 15 minutes; CALL A PHYSICIAN.
INGESTION (Swallowing): CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. DO NOT attempt to induce vomiting, give two glasses of water.
INHALATION (Breathing): Remove to fresh air. If breathing difficulty persists or occurs later, consult a physician.

***** VIII. PREVENTIVE MEASURES *****

SPILL OR LEAK PROCEDURES **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**
Keep spectators away. Floor may be slippery; use care to avoid falling. Dike and contain the spill with inert material (sand, earth, fuller's earth, etc.) and if appropriate, transfer the liquid and solid diking material to separate containers for recovery or disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Wash clothing before reuse. Keep spill out of all sewers and open bodies of water.
WASTE DISPOSAL METHOD: Dispose of in accordance with federal, state and local regulations.
SPECIAL PROTECTION INFORMATION
RESPIRATORY PROTECTION and VENTILATION:
Use with adequate ventilation.
Local exhaust.
PROTECTIVE GLOVES (specify type): **EYE PROTECTION (specify type)**
For sensitive skin or prolonged contact, use impervious gloves; i.e., rubber. Chemical splash goggles
SKIN PROTECTION: Impervious gloves; i.e., rubber
SPECIAL PRECAUTIONS: **PRECAUTIONS TO BE TAKEN IN HANDLING OR STORAGE:**
Store inside in a cool (below 100°F or 37.5°C), dry place.
OTHER PRECAUTIONS: Do not take internally.