

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

MATERIAL SAFETY DATA SHEET

Super Strength Solvent 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:

By: Kevin Hobbie (763) 540-1471 (days)
 (612) 834-0118 (mobile)

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:	April 21, 2011	HAZARD RATING	NFPA	HMS	NFPA	HMS	4 = Extreme	3 = High	0 = Insignificant	
Supersedes:	January 31, 2011	Health	2	2	Reactivity	0	0	2 = Moderate	1 = Slight	COR = Corrosive
Printed:	4/21/2011	Fire	2	2	Special	0	X			X = Ask supervisor for guidance.

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

PRODUCT NAME: Super Strength Solvent Degreaser PART NUMBER: 9008791, 9008793, 9008795, 9008798 CHEMICAL FAMILY: Solvent Detergent MATERIAL USE: Industrial Detergent for Floors	US DEPT OF TRANSPORTATION (GROUND): UN#: None Allocated PACKAGING GROUP: III HAZARD CLASSIFICATION: Non Regulated Combustible Liquid SHIPPING NAME: Not Applicable
--	--

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

BOILING POINT: 212°F / 100°C DENSITY: 0.992 kg/L SOLUBILITY IN WATER: Complete ODOR THRESHOLD: Not Available PHYSICAL FORM: Liquid APPEARANCE AND ODOR: Orange/Citrus EVAPORATION RATE: Faster THAN N-BUTYL ACETATE MECHANICAL IMPACT: Not Available	FREEZE POINT: 5°F / -15°C % VOLATILE: 85 by wt VAPOR PRESSURE: Not Available mm Hg at 20 °C. pH: 6-8 (+/-0.5) VAPOR DENSITY: Heavier THAN AIR COEFFICIENT WATER/OIL DISTRIBUTION: Not Available VOC g/L (lb/gal): 375 (3.13) 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> ppm	<u>ACGIH TLV</u> TWA ppm	<u>ACGIH TLV</u> STEL ppm	<u>LD50</u>	<u>LC50</u> INHALATION
Dipropylene Glycol Monomethyl Ether (HZD)	34590-94-8	15-25	100	100	150	5220 mg/kg (oral rat) 13000-14000 mg/kg (skin rabbit)	>10000 mg/L (96 hrs fathead minnow)
Modified Carboxylate	*	1-5	Not Available	Not Available	Not Available	Not Available	Not Available
d-Limonene (HZD)	94266-47-4	1-10	Not Available	Not Available	Not Available	>5 g/kg (oral rabbit) >5 g/kg (skin rabbit)	Not Available
Nonionic Surfactant	64366-70-7	10-20	Not Available	Not Available	Not Available	>3,000 mg/kg (ingest rat) >2,000 mg/kg (skin rabbit)	Not Available
Propylene Glycol n-Butyl Ether	5131-66-8	10-20	Not Available	Not Available	Not Available	Not Available	Not Available

*Proprietary - Listed in TSCA C.S. Inventory

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 (Combustible, WHMIS Class B, Division 3) **FLASH POINT:** 145°F / 62.8°C Setflash
FLAMMABLE LIMITS: % LEL: Not Available % UEL: Not Available **AUTOIGNITION TEMPERATURE:** Not Available / Not Available
EXTINGUISHING MEDIA: Use National Fire Protection Association (N.F.P.A.) Class B extinguishers (carbon dioxide, dry chemical or foam). Do NOT use direct water stream.

SPECIAL FIRE FIGHTING PROCEDURES:

Use water spray to keep fire-exposed containers cool. Wear self-contained breathing apparatus; wear goggles if eye protection is not provided.

UNUSUAL FIRE EXPLOSION HAZARD:

Keep containers tightly closed. Closed containers may explode when exposed to extreme heat. Do not apply to hot surfaces.

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

STABILITY: Stable **HAZARDOUS POLYMERIZATION (May Occur/Will Not Occur):** Will Not

CONDITIONS TO AVOID: Excessive heat.

INCOMPATIBILITY (materials to avoid): Strong acids, oxidizing agents, alkalis and elevated temperatures (decomposition).

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide and nitrogen oxides.

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

EFFECTS OF OVEREXPOSURE: **THRESHOLD LIMIT VALUE - See Section III for individual ingredients.**

PRIMARY ROUTES OF ENTRY: Eye, Skin, Oral & Inhalation

SKIN CONTACT/ABSORPTION: Contains materials that may cause irritation upon repeated/prolonged contact.

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 1 to 2 glasses of milk or water to drink.

INHALATION (Breathing): Remove to fresh air. Start artificial respiration if necessary. Oxygen may be administered. 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 all excess material, packaging and other waste in accordance with federal, state and local regulations.

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION and VENTILATION:

Use only with adequate ventilation. Do not breathe (vapors or spray mist). If difficulty in breathing is experienced, leave the area to obtain fresh air.

Local exhaust.

PROTECTIVE GLOVES (specify type):

For sensitive skin or prolonged contact, use impervious gloves; i.e., rubber/pvc.

EYE PROTECTION (specify type):

Chemical splash goggles. Have eye fountain available. Do not wear contact lenses when working with this material.

SKIN PROTECTION: Impervious gloves; i.e., rubber/pvc.

SPECIAL PRECAUTIONS: PRECAUTIONS TO BE TAKEN IN HANDLING OR STORAGE:

Store inside in a cool (below 100°F or 37.5°C), dry place. KEEP FROM FREEZING. Store separate from oxidizers.

OTHER PRECAUTIONS: Do not take internally. Avoid prolonged contact with skin; contaminated clothing should be removed immediately. Avoid free fall of liquid in excess of a few inches. Use product at temperatures which are safely below the flash point (145°F/62.8°C).