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

MATERIAL SAFETY DATA SHEET

Formula 720 Multi-Surface Rinse

**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) 553-9033

PREPARATION INFO:

By: Kevin Hobbie

(763) 540-1471 (days)

(651) 849-0408 (nights)

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 info contained herein.

Issue Date: October 27, 2005	HAZARD RATING	NFPA	HMIS	NFPA	HMIS	4 = Extreme	3 = High	0 = Insignificant
Supersedes: September 13, 2004	Health	2	2	Reactivity	0	2 = Moderate	1 = Slight	COR = Corrosive
Printed: 10/27/2005	Fire	1	1	Special	0	X		X = Ask supervisor for guidance.

******* I. IDENTIFICATION *********PRODUCT NAME:** Formula 720 Multi-Surface Rinse**US DEPT OF TRANSPORTATION (GROUND):****UN#:** None Allocated**PACKAGING GROUP:** Not Applicable**PART NUMBER:** 612023, 612226**HAZARD CLASSIFICATION:** Non Regulated**CHEMICAL FAMILY:** Alkaline Detergent**SHIPPING NAME:** Not Applicable**MATERIAL USE:** Industrial Detergent for Floors******* II. PHYSICAL DATA *******

BOILING POINT:	Not Available	/ Not Available	FREEZE POINT:	Not Available	/ Not Available
DENSITY:	1.0 kg/L		% VOLATILE:	85 by wt	
SOLUBILITY IN WATER:	Complete		VAPOR PRESSURE:	Not Available	mm Hg at 20°C.
ODOR THRESHOLD:	Not Available		pH:	7.5	
PHYSICAL FORM:	Liquid		VAPOR DENSITY:	Heavier	THAN AIR
APPEARANCE AND ODOR:	clear/mild-soapy		COEFFICIENT WATER/OIL DISTRIBUTION:	Not Available	
EVAPORATION RATE:	Slower	THAN N-BUTYL ACETATE	VOC g/L (lb/gal):	203 (1.69)	
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 (H2D) after the chemical ingredient. This product has been classified in accordance with the hazard criteria of the CFR (Controlled Products Regulations) and the MSDS contains all of the information required by the CFR.

CHEMICAL	CAS #	% W	OSHA PEL ppm	ACGIH TLV TWA ppm	ACGIH TLV STEL ppm	LOGL	LC50 INHALATION
Nonionic Surfactant	68987-81-5	10-20	Not Available	Not Available	Not Available	Not Available	Not Available
Tripropylene Glycol	25488-49-1	1-5	Not Available	Not Available	Not Available	Not Available	Not Available
Monomethyl Ether							

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 that have been designated as cancer and/or reproductive hazards under California Proposition 65.

None

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

FLAMMABLE: No
FLAMMABLE LIMITS: % LEL: Not Available % UEL: Not Available **FLASH POINT:** >200°F / >93°C Setflash
EXTINGUISHING MEDIA: Not Available **AUTOIGNITION TEMPERATURE:** Not Available / Not Available
SPECIAL FIRE FIGHTING PROCEDURES:
 Not Available
UNUSUAL FIRE EXPLOSION HAZARD:
 Not Available

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

STABILITY: Stable **HAZARDOUS POLYMERIZATION (May Occur/Will Not Occur):** Will Not
CONDITIONS TO AVOID: Not Available
INCOMPATIBILITY (materials to avoid): Strong acids and oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide and carbon monoxide.

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

EFFECTS OF OVEREXPOSURE: **THRESHOLD LIMIT VALUE - See Section III for individual ingredients.**
PRIMARY ROUTES OF ENTRY: Skin Contact
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:
 Ingredients are NOT carcinogenic, based on the International Agency for Research on Cancer (IARC) and the National Toxicology Program (NTP) lists. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

**** 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): Aspiration of material into the lungs may cause chemical pneumonitis (damage to lungs) which may be fatal. If swallowed, do NOT induce vomiting. Have victim drink 8-10 ounces of water to dilute material in stomach. If vomiting occurs, give fluids again. GET MEDICAL ATTENTION IMMEDIATELY. Never give anything by mouth to an unconscious person.
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. Have eye fountain available. Do not wear contact lenses when working with this material.
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. 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.