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 * CANADIAN CENTRE FOR OCCUPATIONAL HEALTH AND SAFETY *
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ISN: 1036631

Product Name(s): PRESS CLEAN

PRODUCT CODE: 04013

Date of MSDS: 1994-07-07

Manufacturer(s):

VARN PRODUCTS COMPANY, INC

115 Advance Boulevard
 Brampton Ontario
 Canada L6T 4H9
 Telephone: 905-792-8900 (INFORMATION)

Emergency Telephone: 613-996-6666 (CANUTEC)

NOTE FROM VARN PRODUCTS COMPANY, INC: THE INFORMATION ON THIS MSDS IS BELIEVED TO BE ACCURATE AS OF THE DATE SHOWN IN SECTION I. SINCE THE USE OF THIS PRODUCT IS NOT IN THE CONTROL OF VARN, IT IS THE USER'S RESPONSIBILITY TO DETERMINE WHAT CONSTITUTES SAFE USAGE FOR A PARTICULAR PRODUCT. THIS FORM MAY BE REPRODUCED IN QUANTITIES NECESSARY TO MEET YOUR REQUIREMENTS.

MATERIAL SAFETY DATA SHEET

PRESS CLEAN

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: PRESS CLEAN HMIS CODES: H F R P
 2 2 0 B
 PRODUCT CODE: 04013
 PRODUCT USE : ROLLER AND BLANKET WASH
 WHMIS CLASSIFICATION: B3, D2B
 DATE PRINTED: JULY 7, 1994
 NAME OF PREPARER: VARN PRODUCTS CO.

SECTION II - HAZARDOUS INGREDIENTS

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE kPa Hg @ TEMP		WEIGHT PERCENT
PETROLEUM NAPHTHA	64742-48-8	1.3	20 DEG C	54.0
OSHA PEL: N/E ACGIH TLV: 300 ppm ORAL LD50 (RAT): N/AV				
* PETROLEUM NAPHTHA	64742-95-6	1.33	38 DEG C	43.0
OSHA PEL: N/E				

ACGIH TLV: N/E
Mfg: 50 ppm
ORAL LD50 (RAT): N/AV

1,8(9)-P-MENTHADIENE 5989-27-5 0.13 13.9 DEG C 3.0
OSHA PEL: N/E
ACGIH TLV: N/E
OTHER: 125 ppm
ORAL LD50 (RAT): 4400 mg/Kg

* Indicates chemical(s) which may be subject to reporting on the National Pollutant Release Inventory under Section 16 of the Canadian Environmental Protection Act.

PRODUCT CONTAINS 11.2% 1,2,4-TRIMETHYLBENZENE CAS# 95-63-6, 1.3% XYLENE CAS# 1330-20-7 BY WEIGHT WHICH ARE COMPONENTS OF PETROLEUM NAPHTHA CAS# 64742-95-6. N/E = Not Established, N/AV = Not Available. All ingredients listed on CEPA Domestic Substance List (DSL) and USEPA TSCA inventory.

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SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

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BOILING POINT: 157 DEG C TO 170 DEG C
SPECIFIC GRAVITY (H2O=1): 0.82
VAPOR DENSITY: HEAVIER THAN AIR
EVAPORATION RATE: SLOWER THAN n-BUTYL ACETATE
MATERIAL V.O.C.: 816 g/l
SOLUBILITY IN WATER: LESS THAN 5%
APPEARANCE AND ODOR: CLEAR LIQUID - MILD PETROLEUM ODOUR
FREEZING POINT: < -20 DEG C
pH: NOT APPLICABLE
COEFFICIENT OF WATER/OIL DIST: NOT AVAILABLE
ODOR THRESHOLD > 15 ppm

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT: 40 DEG C METHOD USED: TAG CC
FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 1.0 UPPER: 6.5

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES

AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS, (MSHA APPROVED) AND FULL PROTECTIVE GEAR. WATER MAY NOT BE EFFECTIVE TO EXTINGUISH FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS AND TO PROTECT PERSONNEL.

UNUSUAL FIRE AND EXPLOSION HAZARDS

TREAT AS PETROLEUM FIRE.

T.D.G.R. CLASS: FLAMMABLE LIQUID, N.O.S. (NAPHTHA), CLASS 3.3, UN 1993,
PACKING GROUP III (CONTAINERS OF 454 LITERS OR LESS ARE EXEMPT FROM MARKING.)

SENSITIVITY TO IMPACT: THIS PRODUCT IS NOT SENSITIVE TO IMPACT.

SENSITIVITY TO STATIC DISCHARGE: TRANSFERRING THIS PRODUCT FROM ONE CONTAINER TO ANOTHER MAY GENERATE A STATIC ELECTRIC CHARGE.

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SECTION V - REACTIVITY DATA

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STABILITY: STABLE

CONDITIONS TO AVOID: AVOID EXCESS HEAT AND SOURCES OF IGNITION.

INCOMPATIBILITY (MATERIALS TO AVOID): AVOID MIXING WITH STRONG OXIDIZING

MATERIALS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: BURNING WILL PRODUCE OXIDES OF CARBON AND DENSE SMOKE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

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SECTION VI - HEALTH HAZARD DATA

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INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

BREATHING HIGH CONCENTRATIONS OF VAPORS WILL CAUSE IRRITATION OF THE NOSE AND THROAT AND CAUSE SIGNS OF CENTRAL NERVOUS SYSTEM DEPRESSION SUCH AS HEADACHE WITH OVEREXPOSURE.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN AND EYE CONTACT MAY CAUSE MILD TO MODERATE IRRITATION.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

A SINGLE, PROLONGED EXPOSURE IS NOT LIKELY TO RESULT IN THE MATERIAL BEING ABSORBED THROUGH THE SKIN IN HARMFUL AMOUNTS.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

INGESTION MAY CAUSE GASTRO-INTESTINAL IRRITATION. FOLLOW FIRST AID PROCEDURES.

HEALTH HAZARDS (ACUTE AND CHRONIC)

REPEATED OR ABUSIVE BREATHING OF CONCENTRATED VAPORS MAY EFFECT PULMONARY, CARDIOVASCULAR, AND CENTRAL NERVOUS SYSTEM. REPEATED SKIN CONTACT WILL DRY OUT AND CRACK SKIN. ASPIRATION HAZARD IF SWALLOWED; ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS.

CARCINOGENICITY: THIS PRODUCT CONTAINS NO KNOWN CARCINOGENS.

NTP CARCINOGEN: No

IARC MONOGRAPHS: No

OSHA REGULATED: No

TERATOGENICITY: THIS PRODUCT CONTAINS NO CHEMICALS KNOWN TO CAUSE BIRTH DEFECTS.

MUTAGENICITY: THIS PRODUCT CONTAINS NO CHEMICALS KNOWN TO CAUSE DAMAGE TO CHROMOSOMES.

TOXICOLOGICALLY SYNERGISTIC PRODUCTS: THERE IS NO DATA AVAILABLE.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

SKIN CONTACT MAY AGGRAVATE PRE-EXISTING DERMATITIS. INHALATION MAY AGGRAVATE PRE-EXISTING ASTHMA-LIKE CONDITIONS.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: REMOVE VICTIM TO FRESH AIR. GIVE OXYGEN IF BREATHING IS LABORED. APPLY ARTIFICIAL RESPIRATION IF NOT BREATHING. SEEK MEDICAL HELP.

SKIN: REMOVE ALL CONTAMINATED CLOTHING AND SHOES. WASH WITH SOAP AND WATER. DO NOT REUSE CLOTHING AND SHOES UNTIL CLEANED.

EYES: FLUSH EYES WITH PLENTY OF WATER WHILE REMOVING CONTACT LENSES. HOLD EYELIDS OPEN AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES.

INGESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, KEEP

HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO LUNGS.
SEEK MEDICAL ATTENTION IMMEDIATELY.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

ELIMINATE ALL IGNITION SOURCES. SPILLS SHOULD BE DIKED AND KEPT FROM ENTERING THE SEWER. SOAK UP WITH ABSORBENT OR TRANSFER LIQUID INTO A CLOSED CONTAINER FOR LATER DISPOSAL.

WASTE DISPOSAL METHOD

IF THIS PRODUCT, AS SUPPLIED, BECOMES A WASTE IT IS REGULATED BY THE CANADIAN ENVIRONMENTAL PROTECTION ACT AS IGNITABLE WASTE. SUITABLE METHODS OF DISPOSAL INCLUDE RECLAMATION AND FUEL BLENDING. CONTACT A LICENSED HAZARDOUS WASTE HAULER FOR MORE INFORMATION.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

CONTAINERS SHOULD BE GROUNDED AND BONDED BEFORE TRANSFERRING PRODUCT. STORE IN THE ORIGINAL CLOSED CONTAINER AWAY FROM SUNLIGHT, EXCESS HEAT, AND SOURCES OF IGNITION. AVOID EYE OR SKIN CONTACT. AVOID BREATHING VAPORS.

OTHER PRECAUTIONS

WHEN TRANSFERRING OR USING THIS PRODUCT, WEAR PROPER PERSONAL PROTECTIVE EQUIPMENT AND KEEP AWAY FROM SPARKS, FLAMES AND OTHER SOURCES OF IGNITION. CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH THIS PRODUCT.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION

THE USE OF RESPIRATORY PROTECTION IS ADVISED WHEN CONCENTRATIONS EXCEED THE ESTABLISHED EXPOSURE LIMITS IN SECTION II. DEPENDING ON THE AIRBORNE CONCENTRATION, USE A RESPIRATOR WITH APPROPRIATE ORGANIC VAPOR CARTRIDGES.

VENTILATION

IF CURRENT VENTILATION PRACTICES ARE NOT ADEQUATE TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW THE ESTABLISHED EXPOSURE LIMITS IN SECTION II, ADDITIONAL GENERAL VENTILATION OR LOCAL EXHAUST SYSTEMS MAY BE REQUIRED.

PROTECTIVE GLOVES

USE SOLVENT RESISTANT GLOVES SUCH AS NITRILE OR BUTYL RUBBER.

EYE PROTECTION

SAFETY GLASSES WITH SIDE SHIELDS.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

NOT NECESSARY.

WORK/HYGIENIC PRACTICES

WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT.