MATERIAL SAFETY DATA SHEET.

SECTION I-----MATERIAL IDENTIFICATION & USE.

MATERIAL NAME/IDENTIFIER: MINWAX* TRI-FLOW (AEROSOL)

W.H.M.I.S. CLASSIFICATION      A,B5,D2B
H.M.I.S.   CLASSIFICATION      RATING
HEALTH                       2
FIRE                         4
REACTIVITY                   0
PERSONAL PROTECTION INDEX B

*REG. TRADE MARK(S)
FORMULA NO.:            MO 50733
CHEMICAL NAME:          N/AP.
CHEMICAL FAMILY:        N/AP.
CHEMICAL FORMULA:       MIXTURE.
TRADE MARK & SYNONYMS:  N/AP.
MOLECULAR WEIGHT:       N/AP.
MATERIAL USE:           LUBRICATING SOLVENT

SECTION II----HAZARDOUS INGREDIENTS OF MATERIAL.

HAZARDOUS INGREDIENTS:      APPROX CONC.   LD50 (SPECIFY)   LC50 (SPECIFY)
(SPECIES/ROUTE)             (SPECIES/ROUTE)

PETROLEUM DISTILLATES       1-5            ACGIH TLV-TWA 5 Mg/M3
                                  ACGIH TLV-STEL 10 Mg/M3
                                  For oil mist in air
                                  OSHA-PEL TWA 5Mg/M3
                                  OSHAPEL-STEL: NOT ESTABLISHED
                                  For oil mist in air

*** MANUFACTURER INFORMATION ***

MANUFACTURER : THOMPSON-MINWAX (CANADA) LTD
ADDRESS : 1595 16th Avenue, Suite 701
           Richmond Hill Ontario
           Canada L4B 4A9
EMERGENCY TELEPHONE NO. : 905-889-0045

*** MATERIAL SAFETY DATA ***

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                                  OSHAPEL-STEL: NOT ESTABLISHED
                                  For oil mist in air

http://www.medicine.uiowa.edu/biochemstores/Pages/MSDStriflow.htm
C.A.S. NO: 64742-52-5
DIPROPYLENE GLYCOL METHYL ETHER 2-3
ACGIH TLV-TWA: 100PPM (SKIN)
ACGIH TLV-STEL: 150PPM (SKIN)
OSHA PEL-TWA: 100PPM
PEL 100PPM

C.A.S. NO: 34590-94-8
PETROLEUM DISTILLATES (HYDRO TREATED LIGHT NAPHTHENIC) 1-5
ACGIH TLV-TWA 5 Mg/M3
ACGIH TLV-STEL 10 Mg/M3
For oil mist in air
OSHA-PEL TWA 5Mg/M3
OSHA-PEL-STEL: NOT ESTABLISHED
For oil mist in air

C.A.S. NO: 64742-53-6
PETROLEUM DISTILLATES (SOLVENT -DEWAXED HEAVY NAPHTHENIC) 15-20
ACGIH TLV-TWA 5 Mg/M3
ACGIH TLV-STEL 10 Mg/M3
For oil mist in air
OSHA-PEL TWA 5Mg/M3
OSHA-PEL-STEL: NOT ESTABLISHED
For oil mist in air

C.A.S. NO: 64742-63-8
PETROLEUM DISTILLATES (SOLVENT DEWAXED HEAVY PARAFFINIC) 15-20
ACGIH TLV-TWA 5 Mg/M3
ACGIH TLV-STEL 10 Mg/M3
For oil mist in air
OSHA-PEL TWA 5Mg/M3
OSHA-PEL-STEL: NOT ESTABLISHED
For oil mist in air

C.A.S. NO: 64742-65-0
PETROLEUM DISTILLATES (SOLVENT REFINED HEAVY NAPHTHENIC) 15-20
ACGIH TLV-TWA 5 Mg/M3
ACGIH TLV-STEL 10 Mg/M3
For oil mist in air
OSHA-PEL TWA 5Mg/M3
OSHA-PEL-STEL: NOT ESTABLISHED
For oil mist in air

C.A.S. NO: 64741-96-4
ISOBUTANE 1-5
EXPOSURE LIMITS NOT ESTABLISHED BY OSHA OR ACGIH

C.A.S. NO: 75-28-5
n-AMYL ACETATE 2-3
ACGIH TLV-TWA 100PPM
OSHA-PEL-TWA 500PPM

C.A.S. NO: 628-63-7
N-BUTANE 5-10
ACGIH TLV-TWA 800PPM
OSHA-PEL-TWA 800PPM

C.A.S. NO: 106-97-8
PROPANE 10-15
ACGIH TLV-TWA NOT ESTABLISHED
OSHA PEL-TWA 1000PPM
PEL NOT KNOWN

C.A.S. NO: 74-98-6
SOLVENY NAPHTHA(PETROLEUM) (HEAVY ALIPHATIC) 20-25
ACGIH TLV-TWA 100PPM
OSHA-PEL TWA 500PPM
OSHA-PEL-STEL: NOT ESTABLISHED
RECOMMEND USE OF STODDARD SOLVENT
LIMITS AS A GUIDE

C.A.S. NO:  64742-96-7

SULPHONIC ACIDS, 1.7
(PETROLEUM, BARIUM SALTS)

ACGIH TLV-TWA 0.5 Mg/M3
OSHA-PEL-TWA 0.5Mg/M3
(both for soluble compounds as bariam)

C.A.S. NO:  61790-48-5

CABONIC ACIDS(BARIUM SALT) 0.5

NO DATA AVAILABLE

C.A.S. NO:  513-77-9

SECTION III---PHYSICAL DATA FOR MATERIAL.

PHYSICAL STATE: LIQUID (CONCENTRATE)
COLOUR & APPEARANCE: OPAQUE AMBER (CONCENTRATE)
ODOUR THRESHOLD (PPM): N/AV
SPECIFIC GRAVITY: 0.88 (CONCENTRATE)
VAPOUR PRESSURE (MM): <5 @ 38C (CONCENTRATE)
VAPOUR DENSITY (AIR=1): 4.8 (CONCENTRATE)
EVAPORATION RATE: (Butyl Acetate = 1) SLOWER THAN ETHER (CONCENTRATE)
BOILING POINT (C): NOT APPLICABLE
FREEZING POINT: NOT DETERMINED
SOLUBILITY IN WATER (20C): NIL
% VOLATILE (BY VOLUME): 35(concentrate)
PH: N/AF

SECTION IV----FIRE & EXPLOSION HAZARD OF MATERIAL

FLAMMABILITY YES [X] NO [ ]
IF YES, UNDER WHAT CONDITIONS? GENERAL CONFLAGRATION
MEANS OF EXTINCTION. CARBON DIOXIDE, DRY CHEMICAL AND ALCOHOL FOAM
SPECIAL PROCEDURES. WATER IS INEFFECTIVE AS AN EXTINGUISHING AGENT BUT CAN BE USED TO KEEP CONTAINERS COOL. OVER HEATED CANS WILL EXPLODE. WHEN BURNING, THIS PRODUCT GIVES OFF TOXIC BY-PRODUCTS, THEREFORE, THE BREATHING OF FUMES, SMOKE AND GASSES GIVEN OFF DURING BURNING SHOULD BE AVOIDED.

FLASHPOINT (C) & METHOD. NOT APPLICABLE
UPPER EXPLOSION LIMIT. NOT APPLICABLE
LOWER EXPLOSION LIMIT. NOT APPLICABLE
AUTOIGNITION TEMP. (C) N/AV
HAZARDOUS COMBUSTION PRODUCTS. CARBON MONOXIDE PLUS OTHER TOXICS

SECTION V-----REACTIVITY DATA.

CHEMICAL STABILITY YES [X] NO [ ]
IF NO, UNDER WHAT CONDITIONS.
INCOMPATIBILITY WITH OTHER SUBSTANCES YES [X] NO [ ]
IF SO, WHICH ONES? STRONG OXIDIZING AGENTS
REACTIVITY AND UNDER WHAT CONDITIONS.  NONE KNOWN
HAZARDOUS DECOMPOSITION PRODUCTS.  NONE KNOWN
HAZARDOUS POLYMERIZATION.  WILL NOT OCCUR

SECTION VI----TOXICOLOGICAL PROPERTIES OF MATERIAL.

ROUTE OF ENTRY
SKIN CONTACT
INHALATION ACUTE
SKIN ABSORPTION
INHALATION CHRONIC
EYE CONTACT
INGESTION

EFFECTS OF ACUTE OVEREXPOSURE TO MATERIAL:
SKIN
CAN CAUSE DEFATTING OF THE SKIN, WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS INHALATION
CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA HEADACHE, NERVOUS IRRITABILITY, POSSIBLE UNCONSCIOUSNESS AND ASPHYXIATION EYES
CAN CAUSE INJURY, SEVERE IRRITATION, REDNESS, TEARING OR BLURRED VISION INGESTION
ASPIRATION OF LIQUID INTO THE LUNG CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA EFFECTS OF CHRONIC EXPOSURE TO MATERIAL
NONE KNOWN
LD50 OF MATERIAL (SPECIFY SPECIES & ROUTE)  NOT AVAILABLE
LC50 OF MATERIAL (SPECIFY SPECIES & ROUTE)  NOT AVAILABLE
IRRITANCY OF MATERIAL  NONE KNOWN
EXPOSURE LIMITS  NOT DETERMINED
SYNERGISTIC MATERIALS  NONE KNOWN
SENSITIZATION OF MATERIAL  NONE KNOWN
CARCINOGENICITY, REPRODUCTIVE EFFECTS  NONE KNOWN

SECTION VII---PREVENTATIVE MEASURES.

PERSONAL PROTECTIVE EQUIPMENT:
GLOVES (SPECIFY):  WEAR CHEMICAL RESISTANT RUBBER, NEOPRENE, VITON GLOVES.
EYES (SPECIFY):  WEAR SAFETY GLASSES OR GOGGLES.
RESPIRATORY (SPECIFY):  NONE REQUIRED
OTHER (SPECIFY):  NONE REQUIRED
ENGINEERING CONTROLS (SPECIFY):  NONE REQUIRED

LEAK & SPILL PROCEDURE:
SUPPLY ADEQUATE VENTILATION. REMOVE IGNITION SOURCES FROM SPILL AREA. UTILIZE SAND, RAGS, PAPER, VERMICULITE, FLOOR ABSORBANT, OR OTHER ABSORBANT AND PLACE IN LEAK PROOF DRUM FOR DISPOSAL

WASTE DISPOSAL:
DISPOSE OF IN ACCORDANCE WITH LOCAL & FEDERAL REGULATIONS. DO NOT INCINERATE. KEEP OUT OF SURFACE WATERS AND SEWERS

HANDLING PROCEDURES & EQUIPMENT:
Wash with soap and water before eating, drinking, smoking or using toilet
facilities. Empty containers may retain residues of product; do not cut, puncture or weld on or near the container. Avoid inhalation and use only with adequate ventilation. If employee experiences eye watering, headaches or dizziness, increase fresh air and leave area. Remove contaminated clothing immediately and launder before reuse. Do not take internally.

STORAGE REQUIREMENTS: KEEP OUT REACH OF CHILDREN. Do not use or store near heat, sparks, open flames or other sources of ignition. Do not store above 50 deg C. EXPOSURE TO DIRECT SUNLIGHT OR OTHER SOURCES OF HEAT MAY CAUSE BURSTING.

SPECIAL SHIPPING INFO.: SHIPPED AS "CONSUMER COMMODITY"

SECTION VIII--FIRST AID MEASURES.

EYES: IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES THOROUGHLY WITH WATER, REMOVE ANY CONTACT LENSES IF WORN, & CONTINUE TO FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

SKIN: FLUSH AREA THOROUGHLY WITH SOAP & WATER, IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

INHALATION: IF NECESSARY, MOVE TO FRESH AIR.

INGESTION: DO NOT INDUCE VOMITING. CALL PHYSICIAN OR POISON CONTROL IMMEDIATELY. ASPIRATION OF PRODUCT CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL

SECTION IX----PREPARATION DATE OF M.S.D.S.

PREPARED BY (GROUP, DEPARTMENT, ETC.) PHONE NO. DATE.

REG.AFFAIRS DEPT. 905-889-7504 October 23, 1995

ADDITIONAL NOTES OR REFERENCES:

FLAME EXTENSION >24 INCHES

N/AP. NOT APPLICABLE
N/AV. NOT AVAILABLE
/msdstri.ae

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