

MATERIAL SAFETY DATA SHEET
OSHA FORM 174

PRODUCT NAME: AWNING GUARD -690 PLUS
 PRODUCT CODE: 2148
 HMIS CODES: H - 1 F - 3 R - 0 P - H
 (HEALTH - FIRE - REACTIVITY - PERSONAL PROTECTION)
 HMIS RATING: 0=MINIMAL, 1=SLIGHT, 2=MODERATE, 3=SERIOUS, 4=SEVERE

EMERGENCY RESPONSE NUMBER'S FOR SHIPPING ONLY: 1-800-535-5053 FOR U.S.
 SHIPMENTS AND 1-352-323-3500 FOR INTERNATIONAL SHIPMENTS

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: WINSOL LABORATORIES, INC.
 ADDRESS: 1417 NW 51ST, SEATTLE, WA., 98107
 EMERGENCY PHONE: 206/782-5500
 DATE PREPARED: 01-01-98 NAME OF PREPARER: WINSOL LABORATORIES, INC.
 REVISION: 01-01-03

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS #	OSHA PEL	ACGIH TLV	OTHER	VAPOR PRESS	WEIGHT %
ALIPHATIC PETROLEUM						
NAPHTHA FLUORO ACRYLATE COPOLYMER	64741-65-7	100PPM	100PPM			>88
	EPA NO. 70430P	NOT EST	NOT EST		1000 PPM	<8
HEPTANE	142-82-5	400ppm	400ppm			<2
ETHYL ACETATE	141-78-6	400ppm	400ppm			<2

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

SARA TITLE III / SECTION 313 SUPPLIER NOTIFICATION

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372:

CAS: #	CHEMICAL NAME	PERCENT BY WEIGHT
N.A.		

BOILING POINT: 340 F OF COMPONENT >90 SPECIFIC GRAVITY (H2O=1):.8
 VAPOR DENSITY:(AIR=1) N.A. EVAPORATION RATE:<1
 V.O.C.: N.A. (ETHER=1)
 SOLUBILITY IN WATER: NONE
 APPEARANCE AND ODOR: CLEAR, MILD SOLVENT OR FRUITY ODOR

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 128 DEG F
 FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N.A. UPPER: N.A.
 EXTINGUISHING MEDIA: REGULAR FOAM, CARBON DIOXIDE, DRY CHEMICAL OR WATER FOG
 SPECIAL FIRE FIGHTING PROCEDURES: SELF CONTAINED BREATHING APPARATUS WITH A FULL FACE PIECE OPERATED IN A PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.
 UNUSUAL FIRE AND EXPLOSION HAZARDS: VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY PILOT LIGHTS, OTHER FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT.

NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM, EVEN EMPTY, BECAUSE PRODUCT RESIDUE CAN IGNITE EXPLOSIVELY.

SECTION V - REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: AVOID CONTACT WITH OPEN FLAME, ELECTRIC ARCS, OR OTHER HOT SURFACES WHICH CAN CAUSE THERMAL DECOMPOSITION.

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG ALKALIES, OXIDIZERS, AND REACTIVE METALS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: MAY FORM TOXIC MATERIAL, CARBON DIOXIDE AND CARBON MONOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

2148

SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, POSSIBLE UNCONSCIOUSNESS, AND EVEN ASPHYXIATION.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

EYE MAY CAUSE MODERATE EYE IRRITATION AND SLIGHT CORNEAL INJURY. VAPORS MAY IRRITATE EYES.

SKIN PROLONGED OR REPEATED AND CONFINED EXPOSURE MAY CAUSE SKIN IRRITATION. REPEATED CONTACT MAY CAUSE DRYING OR FLAKING OF SKIN, DEFATTING AND/OR DERMATITIS.

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 A HARMFUL AMOUNT. THE DERMAL LD50 HAS NOT BEEN DETERMINED.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: SWALLOWING CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. IF VOMITING OCCURS, CHEMICALS CAN BE ASPIRATED INTO THE LUNGS, WHICH CAN CAUSE CHEMICAL PNEUMONIA AND SYSTEMIC EFFECTS.

HEALTH HAZARDS (ACUTE AND CHRONIC): N.A.

CARCINOGENICITY: THIS MATERIAL IS NOT CONSIDERED TO BE A CARCINOGEN BY THE NATIONAL TOXICOLOGY PROGRAM, THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER, OR THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.

NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

EMERGENCY AND FIRST AID PROCEDURES:

EYES IRRIGATE WITH FLOWING WATER IMMEDIATELY AND CONTINUOUSLY FOR 15 MINUTES. CONSULT MEDICAL PERSONNEL.

SKIN WASH OFF IN FLOWING WATER OR SHOWER. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

INGESTION DO NOT INDUCE VOMITING. CALL PHYSICIAN AND/OR TRANSPORT TO EMERGENCY FACILITY IMMEDIATELY.

INHALATION REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE MOUTH TO MOUTH RESUSCITATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN.

NOTE TO PHYSICIAN: BECAUSE RAPID ABSORPTION MAY OCCUR THROUGH LUNGS IF ASPIRATED AND CAUSE SYSTEMIC EFFECTS, THE DECISION OF WHETHER TO INDUCE VOMITING OR NOT SHOULD BE MADE BY A PHYSICIAN.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SMALL SPILL ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL AND TRANSFER TO HOOD.

LARGE SPILL ELIMINATE ALL IGNITION SOURCES. PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM THE AREA OF SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED. STOP SPILL AT SOURCE, DIKE AREA OF SPILL TO PREVENT SPREADING, PUMP LIQUID INTO SALVAGE TANK. REMAINING LIQUID MAY BE TAKEN UP ON SAND, CLAY, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL AND SHOVELED INTO CONTAINERS. AVOID CONTAMINATION OF GROUND AND SURFACE WATERS.

WASTE DISPOSAL METHOD:

SMALL SPILL ALLOW VOLATILE PORTION TO EVAPORATE IN HOOD. ALLOW SUFFICIENT TIME FOR VAPORS TO COMPLETELY CLEAR HOOD DUCT WORK. DISPOSE OF REMAINING MATERIAL IN ACCORDANCE WITH APPLICABLE REGULATIONS.

LARGE SPILL DESTROY BY LIQUID INCINERATION WITH OFF-GAS SCRUBBER. OR LIQUIDS MAY BE SENT TO A LICENSED RECLAIMER. ABSORBENT MATERIAL MUST BE DISPOSED OF IN A PERMITTED WASTE MANAGEMENT FACILITY. CONSULT FEDERAL, STATE, LOCAL DISPOSAL AUTHORITIES FOR APPROVED PROCEDURES.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: EXERCISE REASONABLE CARE AND CAUTION. AVOID BREATHING VAPORS. STORE IN A COOL PLACE. CONCENTRATED VAPORS OF THIS PRODUCT ARE HEAVIER THAN AIR AND WILL COLLECT IN LOW AREAS SUCH AS PITS, DEGREASERS, STORAGE TANKS AND OTHER CONFINED AREAS. DO NOT ENTER THESE AREAS

WHERE VAPORS OF THIS COMPONENT ARE SUSPECTED UNLESS SPECIAL BREATHING APPARATUS IS USED AND AN OBSERVER IS PRESENT FOR ASSISTANCE.

MANUAL OPERATIONS INVOLVING THE POTENTIAL FOR SKIN CONTACT, SUCH AS SOME COLD CLEANING OPERATIONS, OR CLEANING OPERATIONS INVOLVING LARGE SURFACES, SHOULD BE APPROACHED WITH SPECIAL CAUTION, DUE TO THE VOLATILITY OF THIS COMPONENT. INCREASED VENTILATION OR RESPIRATORY PROTECTION MAY BE REQUIRED TO REDUCE THE POTENTIAL FOR OVEREXPOSURE TO VAPORS. GLOVES OR OTHER PROTECTIVE EQUIPMENT SHOULD BE WORN IF SKIN CONTACT IS LIKELY.

OTHER PRECAUTIONS: CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED, SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID AND/OR SOLIDS), ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED. STORE LABELED AND SEALED CONTAINERS IN A COOL, DRY WELL-VENTILATED AREA.

2148

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: IF TVL OF THE PRODUCT OR ANY COMPONENT IS EXCEEDED, A NIOSH/MSHA JOINTLY APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS UNDER SPECIFIED CONDITION. SEE YOUR SAFETY EQUIPMENT SUPPLIER.

ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

VENTILATION: PROVIDE GENERAL OR MECHANICAL VENTILATION OR LOCAL EXHAUST TO KEEP VAPOR CONCENTRATIONS BELOW TLV OF MATERIALS IN SECTION II AND LEL IN SECTION IV.

PROTECTIVE GLOVES: USE IMPERMEABLE GLOVES TO PREVENT PROLONGED SKIN CONTACT.

EYE PROTECTION: USE SAFETY EYE WEAR DESIGNED TO PROTECT EYES AGAINST LIQUID SPLASH AND MISTS. CONSULT YOUR SAFETY EQUIPMENT SUPPLIER.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: USE PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT. USE HEAD CAPS, BOOTS, CHEMICAL APRONS WHEN NECESSARY.

WORK/HYGIENIC PRACTICES: EYE WASHES AND SAFETY SHOWERS IN THE WORK PLACE ARE RECOMMENDED. WASH HANDS AFTER USING. MONITOR EXPOSURE LEVELS.

SECTION IX - OTHER REGULATORY INFORMATION CONT.

EMERGENCY RESPONSE NUMBER'S FOR SHIPPING ONLY: 1-800-535-5053 FOR U.S. SHIPMENTS AND 1-352-323-3500 FOR INTERNATIONAL SHIPMENTS

D.O.T. PROPER SHIPPING NAME: COMBUSTIBLE LIQUIDS, N.O.S.,(CONTAINS:NAPHTHA)

HAZARD CLASS: COMBUSTIBLE

ID NUMBER: UN1993

P.G.: III

D.O.T. LABEL REQUIRED: NONE IF SHIPMENT IS LESS THAN 120 GALLONS

SECTION X - DISCLAIMER

NOTICE: ALTHOUGH THE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN (HEREINAFTER "INFORMATION") ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE CORRECT AS OF THE DATE HEREOF, WINSOL LABORATORIES, INC. MAKES NO REPRESENTATIONS AS TO THE COMPLETENESS OR ACCURACY THEREOF. INFORMATION IS SUPPLIED UPON THE CONDITION THAT THE PERSONS RECEIVING SAME WILL MAKE THEIR OWN DETERMINATION AS TO THE SUITABILITY FOR THEIR PURPOSES PRIOR TO USE. IN NO EVENT WILL WINSOL LABORATORIES, INC. BE RESPONSIBLE FOR DAMAGES OF ANY NATURE WHATSOEVER RESULTING FROM THE USE OF OR RELIANCE UPON INFORMATION. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.

TLV IS A REGISTERED TRADEMARK OF THE AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH)

REVISION

01-01-03 - UPDATE