

MATERIAL SAFETY DATA SHEET

4525
(9-9-03)

International Epoxies & Sealers.
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Product: 4525 INTER-WELD WELD THRU PRIMER

SECTION 01: MANUFACTURER INFORMATION

PRODUCT NAME.....4525 INTER-WELD, WELD THRU PRIMER
FORMULATION #.....4525
CHEMICAL FAMILY.....ACRYLIC.
TRADE NAMES & SYNONYMS.....SAME AS PRODUCT NAME.
PRODUCT USES.....COATING.
CHEMICAL FORMULA.....MIXTURE.
MOLECULAR WEIGHT.....NOT APPLICABLE.
T.D.G. CLASSIFICATION.....AEROSOLS LIMITED QUANTITY.
WHMIS CLASSIFICATION.....A.
CNFC SECTION 3.3.5.....LEVEL 1.
NFPA CODE 30B.....LEVEL 1.
HMIS RATING FLAMMABILITY.....4 SEVERE HAZARD.
HMIS RATING HEALTH.....2 MODERATE HAZARD.
HMIS RATING REACTIVITY.....1 SLIGHT HAZARD.

SECTION 02: HAZARDOUS INGREDIENTS

%	CAS / TLV	LD/50, ROUTE, SPECIES	LC/50, ROUTE, SPECIES
ZINC ELEMENTAL			
30-60	7440-66-6	NOT AVAILABLE	NOT AVAILABLE
TOLUENE			
10-30	108-88-3 50 ppm	5000 mg/kg ORAL - RAT	8000 ppm (4 hr) INHAL - RAT
VM&P NAPHTHA			
1-5	64742-89-8 300 ppm	NOT AVAILABLE	3400 ppm (4 hr) INHAL - RAT
ZINC OXIDE			
1-5	1314-13-2 5mg/m3	7950 mg/kg ORAL - MOUSE	NOT APPLICABLE
ISOBUTANE			
5-10	75-28-5 1000 ppm	NOT APPLICABLE	142,500 ppm (4h) INHAL - RAT
PROPANE			
5-10	74-98-6 1000 ppm	NOT APPLICABLE	NOT AVAILABLE

SECTION 03: PHYSICAL DATA

PHYSICAL STATE.....AEROSOL.
BOILING POINT (DEG C)(CONC).....93-156.
VAPOUR PRESSURE(PSIG)-AEROSOL.....48-58.
@ 20 C
VAPOUR DENSITY (AIR=1).....GREATER THAN 1.
(BY WEIGHT)
SOLUBILITY IN WATER.....NEGLIGIBLE.
APPEARANCE.....GRAY.
ODOR.....AROMATIC ODOR.
ODOR THRESHOLD.....NOT AVAILABLE.
SPECIFIC GRAVITY (LIQUID).....2.10-2.25.
SPECIFIC GRAVITY (AEROSOL).....1.40-1.44.
AEROSOL PERCENT VOC (W/W).....39-40.
AEROSOL PERCENT VOLATILE.....39-40.
(BY WEIGHT)
EVAPORATION RATE.....GREATER THAN 1.
n-BUTYL ACETATE = 1
PH.....NOT APPLICABLE.
FREEZING POINT: (C).....NOT AVAILABLE.
COEFFICIENT OF WATER\OIL.....NOT AVAILABLE.
DIST.

SECTION 04: FIRE & EXPLOSION DATA

AEROSOL FLAME PROJECTION
CLASSIFIED AS:.....> 45 CM.
FLASHBACK.....NONE.
FLAMMABILITY.....EXTREMELY FLAMMABLE.
IF YES, UNDER WHICH.....EXCESSIVE HEAT, SPARKS AND OPEN FLAME.
CONDITIONS ?
EXTINGUISHING MEDIA.....WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM.
SPECIAL PROCEDURES.....WATER FROM FOGGING NOZZLES MAY BE USED TO
COOL CLOSED CONTAINERS TO PREVENT BUILD-UP
IF EXPOSED TO EXTREME TEMPERATURES.FULL
PROTECTIVE EQUIPMENT INCLUDING SELF
CONTAINED BREATHING APPARTATUS SHOULD BE
WORN IN A FIRE INVOLVING THIS MATERIAL.
FLASH POINT(C),TAG CLOSED-CUP.....>4.
(CONCENTRA TE)
AUTO IGNITION TEMPERATURE (C).....480.
LOWER FLAMMABLE LIMIT.....1.
(% BY VOLUME)
UPPER FLAMMABLE LIMIT.....9.5.
(% BY VOLUME)
HAZARDOUS COMBUSTION
PRODUCTS.....HYDROCARBON FUMES AND SMOKE. CARBON
MONOXIDE WHERE COMBUSTION IS INCOMPLETE.
EXPLOSION DATA
SENSITIVITY TO STATIC.....NOT APPLICABLE.
DISCHARGE
SENSITIVITY TO IMPACT.....NOT APPLICABLE.

SECTION 05: REACTIVITY DATA

CHEMICAL STABILITY:

YES.....UNDER NORMAL CONDITIONS.
NO, WHICH CONDITIONS?.....NOT APPLICABLE.

COMPATABILITY WITH OTHER
SUBSTANCES :

NO, WHICH ONES?.....STRONG OXIDIZING AGENTS.

HAZARDOUS PRODUCTS OF

DECOMPOSITION.....HYDROCARBON FUMES AND SMOKE. CARBON
MONOXIDE WHERE COMBUSTION IS INCOMPLETE.

HAZARDOUS POLYMERIZATION.....WILL NOT OCCUR.

REACTIVITY CONDITIONS?.....NOT APPLICABLE.

SECTION 06: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:

SKIN CONTACT.....MAY CAUSE IRRITATION.

SKIN ABSORPTION.....NO DATA AVAILABLE FOR THIS PRODUCT
MIXTURE.

EYE CONTACT.....MAY CAUSE IRRITATION.

INHALATION.....INHALATION OF SOLVENTS MAY CAUSE
IRRITATION. PROPELLANT IS A SIMPLE
ASPHYXIANT.

INGESTION.....MAY CAUSE HEADACHE, NAUSEA, VOMITING AND
WEAKNESS.

EFFECTS OF ACUTE EXPOSURE.....DIZZINESS, NAUSEA. IRRITATION TO SKIN &
EYES.

EFFECTS OF CHRONIC EXPOSURE.....SOLVENTS MAY CAUSE DEFATTING DERMATITIS.

EXPOSURE LIMIT OF MATERIAL.....SEE SECTION II.

IRRITANCY OF MATERIAL.....SKIN/EYE IRRITANT.

SENSITIZING CAPABILITY OF.....UNKNOWN.

MATERIAL

CARCINOGENICITY OF MATERIAL.....THE INGREDIENTS OF THIS PRODUCT ARE NOT
LISTED AS CARCINOGENS BY NTP, (NATIONAL
TOXICOLOGY PROGRAM), NOT REGULATED AS
CARCINOGENS BY OSHA, (OCCUPATIONAL SAFETY
AND HEALTH ADMINISTRATION), AND HAVE NOT
BEEN EVALUATED BY IARC, (INTERNATIONAL
AGENCY FOR RESEARCH ON CANCER), NOR BY
ACGIH (AMERICAN CONFERENCE OF GOVERNMENTAL
INDUSTRIAL HYGIENISTS).

REPRODUCTIVE EFFECTS.....TOLUENE - PROLONGED AND REPEATED EXPOSURE
OF PREGNANT ANIMALS TO TOLUENE (LEVELS
GREATER THAN APPROXIMATELY 1500 ppm) HAS
BEEN REPORTED TO CAUSE ADVERSE FETAL
DEVELOPMENTAL EFFECTS.

TERATOGENICITY.....NO INFORMATION IS AVAILABLE AND NO ADVERSE
TERATOGENIC EFFECTS ARE ANTICIPATED.

MUTAGENICITY.....NO INFORMATION IS AVAILABLE AND NO ADVERSE
MUTAGENIC EFFECTS ARE ANTICIPATED.

SYNERGISTIC MATERIALS.....NONE KNOWN.

SECTION 07: PREVENTIVE MEASURES

GLOVES/ TYPE.....WEAR CHEMICAL RESISTANT GLOVES.
 RESPIRATORY/TYPE.....IF USED INDOORS ON A CONTINUOUS BASIS, USE
 OF A CARTRIDGE TYPE RESPIRATOR
 (NIOSH/MSHATC 23C OR EQUIVALENT) IS
 RECOMMENDED.
 EYE/TYPE.....SAFETY GLASSES.
 FOOTWEAR/TYPE.....NOT NORMALLY REQUIRED.
 OTHER/TYPE.....NOT REQUIRED.
 ENGINEERING CONTROLS.....VENTILATION - LOCAL (MECHANICAL IF USED
 INDOORS ON A CONTINUOUS BASIS).
 LEAK/SPILL.....REMOVE ALL SOURCES OF IGNITION. USE AN
 INERT ABSORBENT MATERIAL, AND NON-SPARKING
 TOOLS. VENTILATE AREA. PREVENT FROM
 ENTERING A WATERCOURSE.
 HANDLING PROCEDURES AND
 EQUIPMENT.....STORE IN A COOL, WELL VENTILATED AREA NOT
 TO EXCEED 50 DEG C.
 WASTE DISPOSAL.....DO NOT PUNCTURE OR INCINERATE CONTAINERS,
 EVEN WHEN EMPTY.DISPOSE OF IN ACCORDANCE
 WITH LOCAL, PROVINCIAL AND FEDERAL
 REGULATIONS.
 STORAGE NEEDS.....KEEP AWAY FROM HEAT, SPARKS, AND OPEN
 FLAMES.
 SPECIAL SHIPPING INSTRUCTIONS.....SEE SECTION 1.....TDG CLASSIFICATION.

SECTION 08: FIRST AID MEASURES

EMERGENCY FIRST AID
 PROCEDURE.....IN CASE OF EYE CONTACT, FLUSH IMMEDIATELY
 WITH PLENTY OF WATER FOR AT LEAST 15
 MINUTES AND GET MEDICAL ATTENTION. FOR
 SKIN, WASH THOROUGHLY WITH SOAP AND WATER.
 IF AFFECTED BY INHALATION OF VAPOUR OR
 SPRAY MIST, REMOVE TO FRESH AIR. IF
 SWALLOWED; DO NOT INDUCE VOMITING, GET
 MEDICAL ATTENTION.

SECTION 09: ADDITIONAL INFORMATION

NOTICE FROM INTERNATIONAL EPOXIES & SEALERS
THE INFORMATION ON THIS MATERIAL SAFETY
 DATA SHEET IS PROVIDED BY INTERNATIONAL
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 SHEET RELATES ONLY TO THE SPECIFIC MATERIAL
 DESIGNATED HEREIN AND DOES NOT RELATE TO USE
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 ANY PROCESS.

DATED.....09/09/03

