

Dominion Sure Seal Ltd.
6175 Danville Road, Mississauga
ONTARIO, CANADA L5T 2H7

PRODUCT: SZC HI-BUILD ZINC WELD-THRU PRIMER AEROSOL**Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

MANUFACTURER Dominion Sure Seal Ltd.
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ONTARIO, CANADA L5T 2H7
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PRODUCT NAME SZC HI-BUILD ZINC WELD-THRU PRIMER AEROSOL
CHEMICAL FAMILY MIXTURE.
CHEMICAL FORMULA MIXTURE.
MOLECULAR WEIGHT NOT APPLICABLE.
TRADE NAMES & SYNONYMS NOT APPLICABLE.
PRODUCT USES WELD THROUGH PRIMER COATING.
CAS # NOT APPLICABLE.

Section 02: COMPOSITION/INFORMATION INGREDIENTS

Hazardous Ingredients	%	Exposure Limit	C.A.S.#	LD/50, Route,Species	LC/50 Route,Species
ACETONE	15-40	750 ppm	67-64-1	>9750 mg/kg ORAL - RAT	>16,000 ppm (4 hr) INHAL - RAT
TOLUENE	7-13	50 ppm	108-88-3	5000 mg/kg ORAL - RAT	8000 ppm (4 hr) INHAL - RAT
METHYL ETHYL KETONE	5-10	200 ppm	78-93-3	3400 mg/kg ORAL - RAT	8000 ppm (8 hr) INHAL - RAT
MINERAL SPIRITS	1-5	100 ppm	64742-47-8	>5000 mg/kg ORAL - RAT	1400 ppm/4H INHAL - RAT
BUTYL BENZYL PHTHALATE	1-5		85-68-7	NOT AVAILABLE	NOT AVAILABLE
ALUMINUM	1-5	10 mg/m ³ ACGIH	7429-90-5	NOT AVAILABLE	NOT AVAILABLE
ZINC ELEMENTAL	1-5	N/A	7440-66-6	NOT AVAILABLE	NOT AVAILABLE
ISOBUTANE	7-13	1000 ppm	75-28-5	NOT APPLICABLE	142,500 ppm (4h) INHAL - RAT
PROPANE	10-30	1000 ppm	74-98-6	>5000 mg/kg DERMAL-RABBITS	NOT AVAILABLE

Section 03: HAZARDS IDENTIFICATION

ROUTE OF ENTRY:
INGESTION MAY CAUSE HEADACHE, NAUSEA, VOMITING AND WEAKNESS.
INHALATION INHALATION OF SOLVENTS MAY CAUSE IRRITATION. PROPELLANT IS A SIMPLE ASPHYXIANT.

EYE CONTACT MAY CAUSE IRRITATION.
SKIN ABSORPTION NO DATA AVAILABLE FOR THIS PRODUCT MIXTURE.
SKIN CONTACT MAY CAUSE IRRITATION.
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 2.

Section 04: 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 05: FIRE FIGHTING MEASURES

AUTO IGNITION TEMPERATURE (°C) 465-514.
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 APPARATUS SHOULD BE WORN IN A FIRE INVOLVING THIS MATERIAL.

FLAMMABILITY EXTREMELY FLAMMABLE.
IF YES, UNDER WHICH CONDITIONS? EXCESSIVE HEAT, SPARKS AND OPEN FLAME.
EXTINGUISHING MEDIA WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM.
UPPER FLAMMABLE LIMIT 12.8.
(% BY VOLUME)
LOWER FLAMMABLE LIMIT 1.
(% BY VOLUME)

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EXPLOSION DATA
 SENSITIVITY TO STATIC DISCHARGE..... NOT APPLICABLE.
 SENSITIVITY TO IMPACT..... NOT APPLICABLE.
 HAZARDOUS COMBUSTION PRODUCTS..... HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.
 AEROSOL FLAME PROJECTION
 CLASSIFIED AS:..... >45cm.
 FLASHBACK..... NONE.
 FLASH POINT(°C), TAG CLOSED-CUP LOWEST KNOWN VALUE IS ACETONE @-18C.
 (CONCENTRATE)

Section 06: ACCIDENTAL RELEASE MEASURES

LEAK/SPILL..... REMOVE ALL SOURCES OF IGNITION. USE AN INERT ABSORBENT MATERIAL, AND NON-SPARKING TOOLS. VENTILATE AREA. PREVENT FROM ENTERING A WATERCOURSE.

Section 07: HANDLING AND STORAGE

STORAGE NEEDS..... KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES.
 ENGINEERING CONTROLS..... VENTILATION - LOCAL (MECHANICAL IF USED INDOORS ON A CONTINUOUS BASIS).
 HANDLING PROCEDURES AND EQUIPMENT..... STORE IN A COOL, WELL VENTILATED AREA NOT TO EXCEED 50 DEG C.
 SYNERGISTIC MATERIALS..... NONE KNOWN.

Section 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE..... AEROSOL.
 APPEARANCE..... BRIGHT ALUMINUM.
 ODOR..... CHARACTERISTIC.
 ODOR THRESHOLD..... NOT AVAILABLE.
 VAPOUR PRESSURE(PSIG)-AEROSOL..... 65-75.
 @ 20 C
 BOILING POINT (°C)(CONC)..... 57-111.
 EVAPORATION RATE..... GREATER THAN 1.
 n-BUTYL ACETATE = 1
 VAPOUR DENSITY (AIR=1)..... GREATER THAN 1.
 (BY WEIGHT)
 SOLUBILITY IN WATER g/L (20°C)..... NEGLIGIBLE.
 pH..... NOT APPLICABLE.
 SPECIFIC GRAVITY (LIQUID)..... 0.90-0.94.
 COEFFICIENT OF WATER/OIL DIST..... NOT AVAILABLE.
 FREEZING POINT: (°C)..... NOT AVAILABLE.
 AEROSOL PERCENT VOLATILE..... 81-82.
 (BY WEIGHT).
 SPECIFIC GRAVITY (AEROSOL)..... 0.75-0.79.

Section 10: STABILITY AND REACTIVITY

HAZARDOUS PRODUCTS OF DECOMPOSITION..... HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.
 CHEMICAL STABILITY:
 YES..... UNDER NORMAL CONDITIONS.
 NO, WHICH CONDITIONS?..... NOT APPLICABLE.
 COMPATIBILITY WITH OTHER SUBSTANCES:
 NO, WHICH ONES?..... STRONG OXIDIZING AGENTS.
 REACTIVITY CONDITIONS?..... NOT APPLICABLE.
 HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR.

Section 11: TOXICOLOGICAL INFORMATION

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.
 IRRITANCY OF MATERIAL..... SKIN/EYE IRRITANT. METHYL ETHYL KETONE MAY CAUSE EMBRYOTOXIC EFFECTS IN LABORATORY ANIMALS.
 SENSITIZING CAPABILITY OF MATERIAL..... UNKNOWN.
 MUTAGENICITY..... NONE KNOWN.
 CARCINOGENICITY OF MATERIAL..... NONE KNOWN.
 TERATOGENICITY..... NO INFORMATION IS AVAILABLE AND NO ADVERSE TERATOGENIC EFFECTS ARE ANTICIPATED.

PRODUCT: SZC HI-BUILD ZINC WELD-THRU PRIMER AEROSOL**Section 12: ECOLOGICAL CONSIDERATIONS**

ENVIRONMENTAL..... NOT AVAILABLE.

Section 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL..... DO NOT PUNCTURE OR INCINERATE CONTAINERS, EVEN WHEN EMPTY. DISPOSE OF IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.

Section 14: TRANSPORTATION INFORMATIONT.D.G. CLASSIFICATION..... CONSUMER COMMODITY (AEROSOLS, UN1950, CLASS 2.1) .
D.O.T. CLASSIFICATION..... CONSUMER COMMODITY, ORM-D.**Section 15: REGULATORY INFORMATION****CANADIAN REGULATIONS:**WHMIS CLASSIFICATION..... A,B5,D2A,D2B.
CNFC SECTION 3.3.5..... LEVEL 2.
CEPA (Canadian Environmental Protection Act) ALL SUBSTANCES IN THIS PRODUCT ARE LISTED ON THE CANADIAN DOMESTIC SUBSTANCES LIST (DSL) OR ARE NOT REQUIRED TO BE LISTED.**U.S. REGULATIONS:**HMIS RATING HEALTH..... 2 MODERATE HAZARD.
HMIS RATING FLAMMABILITY..... 4 SEVERE HAZARD.
HMIS RATING REACTIVITY..... 1 SLIGHT HAZARD.
HMIS RATING PERSONAL PROTECTION..... B.
NFPA CODE 30B..... LEVEL 2.
SARA 313 INFORMATION: THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:
CAS #: CHEMICAL NAME:
*108-88-3 TOLUENE
*7429-90-5 ALUMINUM, POWDERED
7440-66-6 ZINC ELEMENTALCALIFORNIA PROPOSITION 65:..... THE FOLLOWING STATEMENT IS MADE IN ORDER TO COMPLY WITH THE CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986:
WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.TSCA (Toxic Substances Control Act)..... ALL COMPONENT OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. ANY IMPURITIES PRESENT IN THIS PRODUCT ARE EXEMPT FROM LISTING.
V.O.C.(M.I.R.)..... COMPLIES WITH CARB MIR =1.00 FOR WELD-THROUGH PRIMERS .**Section 16: OTHER INFORMATION**

NOTICE FROM DOMINION SURE SEAL LTDTHE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET IS PROVIDED BY DOMINION SURE SEAL FREE OF CHARGE. WHILE BELIEVED TO BE RELIABLE, IT IS INTENDED FOR USE BY SKILLED PERSONS AT THEIR OWN RISK. DOMINION SURE SEAL ASSUMES NO RESPONSIBILITY FOR EVENTS RESULTING OR DAMAGES INCURRED FROM ITS USE. THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PROCESS.

PREPARED BY..... TECHNICAL SERVICES
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