

M A T E R I A L S A F E T Y D A T A S H E E T

SECTION I - PRODUCT IDENTIFICATION AND USE

Product Identifier: HEAT RESISTANT SILICONE ACR.-W
 Identification Number: 83206
 Product Use: PAINT
 MANUFACTURER: Cloverdale Paint Inc.
 50 PANET ROAD
 WINNIPEG, MB
 R2J 0R9 204/237-0241
 PREPARED BY: Mr Robert Tinsley, 204-237-0241

WHMIS Class: B2 D1A D2A
 SUPPLIER: Cloverdale Paint Inc.
 50 PANET ROAD
 WINNIPEG, MB
 R2J 0R9 204/237-0241
 DATE: 05/06/13

SECTION II - HAZARDOUS INGREDIENTS

EXPOSURE LIMIT	CHEMICAL NAME LC50	LD50	CAS NUMBER	WT. PERCENT RANGE	
	TITANIUM DIOXIDE		13463-67-7	10.0-30.0	10
MG/M3	6.82MG/L RAT	>25G/KGORAL	RAT		
	XYLENE; MIXED ISOMERS		1330-20-7	1.0-5.0	100 ppm
	5000 PPM RAT	4G/KG RAT ORAL			
	TOLUENE		108-88-3	30.0-60.0	50 ppm
	8000 PPM/RAT	5G/KG/RAT ORAL			
	PETROLEUM SOLVENT		64742-94-5	1.0-5.0	50 ppm
	3.8ML/L RAT	10ML/KG RAT			
	ETHYLENE GLYCOL MONOBUTYL ETHER		111-76-2	1.0-5.0	25 ppm
SKIN	925 PPM MOUSE	470 MG/KG RAT			
	ORGANOPHILIC CLAY		121888-68-4	1.0-5.0	5 mg/m3
DUST	N/AV	N/AV			
	ETHYLBENZENE		100-41-4	1.0-5.0	100 ppm
	>4000 PPM RAT	3.5 G/KG RAT			

N.A. - NOT APPLICABLE

SECTION III - PHYSICAL DATA

BOILING RANGE : 111-210 C VAPOR DENSITY : IS HEAVIER
THAN AIR
ODOR : AROMATIC EVAPORATION RATE: IS FASTER
THAN BUTYL ACETATE
APPEARANCE : WHITE LIQUID
VOLATILE BY WEIGHT: 48.9% SOLUBILITY : 4% WATER
SOLUBLE
VOLATILE BY VOLUME: 63.8% SPECIFIC GRAVITY: 1.143
PH @ 0.00 % :
7.0 FREEZING POINT : -40 C
VAPOR PRESSURE : 22.0 mm Hg

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SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT: 4 C
LEL: 1.0%
(TAGLIABUE C. C.)
UEL: 10.6%
CLASS 3, DIVISION 2

EXTINGUISHING MEDIA:

DRY CHEMICAL FOAM CARBON DIOXIDE

UNUSUAL FIRE AND EXPLOSION HAZARDS: FLAMMABLE LIQUID (FLASH POINT LESS THAN 100 F/38 C). MAY FORM FLAMMABLE MIXTURES. VAPORS MAY BE EXPLOSIVE IN AIR. ELIMINATE
IGNITION SOURCES. GROUND ALL EQUIPMENT. KEEP CONTAINER CLOSED.

SPECIAL FIREFIGHTING PROCEDURES: FIREFIGHTERS SHOULD WEAR SELF CONTAINED
BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. USE WATER SPRAY TO COOL NEARBY
CONTAINERS AND STRUCTURES EXPOSED TO FIRE.

SECTION V - HEALTH HAZARD DATA

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EFFECTS OF OVER EXPOSURE: *** INHALATION: VAPORS MAY BE IRRITATING. EXPOSURE TO HIGH VAPOR CONCENTRATIONS MAY CAUSE HEADACHES, DIZZINESS, NAUSEA, AND CENTRAL NERVOUS SYSTEM DEPRESSION. PROLONGED EXPOSURE TO HIGH VAPOR CONCENTRATIONS MAY CAUSE UNCONSCIOUSNESS OR DEATH. *** INGESTION: MODERATELY TOXIC. HARMFUL IF SWALLOWED. SWALLOWING LARGE QUANTITIES CAUSES HEADACHES, NAUSEA, VOMITING, AND CENTRAL NERVOUS SYSTEM DEPRESSION. SMALL AMOUNTS OF LIQUID DRAWN INTO THE LUNGS FROM SWALLOWING OR VOMITING MAY CAUSE SEVERE HEALTH AFFECTS (E.G. PULMONARY EDEMA). *** SKIN: CAN CAUSE MODERATE IRRITATION. CAN CAUSE DEFATTING AND DERMATITIS. CAN CAUSE CHEMICAL BURNS. CAN BE ABSORBED THROUGH THE SKIN CAUSING A HEALTH HAZARD. *** EYES: VAPORS MAY IRRITATE. LIQUID AND MISTS WILL IRRITATE AND MAY BURN THE EYES. *** CHRONIC AFFECTS OF OVEREXPOSURE: REPEATED OR PROLONGED EXPOSURES MAY CAUSE SKIN AND/OR RESPIRATORY SENSITIZATION. REPEATED OR PROLONGED EXPOSURES MAY CAUSE LIVER, KIDNEY, AND/OR NEURAL DYSFUNCTION. REPEATED OR PROLONGED EXPOSURES MAY CAUSE DELAYED EFFECTS INVOLVING BLOOD, GASTRO-INTESTINAL, NERVOUS AND/OR REPRODUCTIVE SYSTEMS. ETHYL BENZENE HAS BEEN CLASSIFIED BY THE IARC AS A GROUP 2B SUBSTANCE ON THE BASIS OF SUFFICIENT EVIDENCE FOR CARCINOGENICITY IN LABORATORY ANIMALS BUT INADEQUATE EVIDENCE FOR CANCER IN HUMANS. TOLUENE REPORTEDLY CAUSES FETOTOXICITY IN ANIMALS AT DOSES WHICH ARE MATERNALLY TOXIC. THERE ARE OCCUPATIONAL STUDIES WHICH REPORT AN ASSOCIATION BETWEEN INHALATION EXPOSURE TO TOLUENE AND ADVERSE EFFECTS ON REPRODUCTION. THE METHODOLOGY OF THESE STUDIES AND THE RELIABILITY OF THEIR RESULTS HAVE BEEN QUESTIONED. HIGH EXPOSURES TO XYLENES IN SOME ANIMAL STUDIES HAVE BEEN REPORTED TO CAUSE HEALTH EFFECTS ON THE DEVELOPING EMBRYO/FETUS. THESE EFFECTS WERE OFTEN AT LEVELS TOXIC TO THE MOTHER. THE SIGNIFICANCE OF THESE FINDINGS TO HUMANS HAS NOT BEEN DETERMINED. IN A LIFETIME INHALATION STUDY, EXPOSURE TO 250 MG/M³ TITANIUM DIOXIDE DUST RESULTED IN THE DEVELOPMENT OF LUNG TUMOURS IN RATS. THESE TUMOURS OCCURRED ONLY AT DUST LEVELS THAT OVERWHELMED THE ANIMALS' LUNG CLEARANCE MECHANISMS AND WERE DIFFERENT FROM COMMON HUMAN LUNG TUMOURS IN BOTH TYPE AND LOCATION. THE RELEVANCE OF THESE FINDINGS TO HUMANS IS UNKNOWN. THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS CLASSIFIED TITANIUM DIOXIDE AS POSSIBLY CARCINOGENIC TO HUMANS (GROUP 2B) BASED ON INADEQUATE EVIDENCE OF CARCINOGENICITY IN HUMANS AND SUFFICIENT EVIDENCE OF CARCINOGENICITY IN EXPERIMENTAL

ANIMALS.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: SKIN DISORDERS. EYE DISORDERS. CHRONIC RESPIRATORY DISORDERS.

PRIMARY ROUTE(S) OF ENTRY: DERMAL INHALATION INGESTION

EMERGENCY AND FIRST AID PROCEDURES: *** INHALATION: REMOVE TO FRESH AIR. ASSIST

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SECTION V - HEALTH HAZARD DATA

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BREATHING IF NECESSARY. KEEP VICTIM WARM AND QUIET. SEEK MEDICAL ATTENTION. ***
INGESTION:

DO NOT INDUCE VOMITING OR GIVE FLUIDS. KEEP AT REST. GET PROMPT MEDICAL
ATTENTION. IF

VOMITING OCCURS, KEEP VICTIM'S HEAD BELOW HIPS TO PREVENT ASPIRATION INTO THE
LUNGS. ***

SKIN: WASH THOROUGHLY WITH SOAP AND WATER AND RINSE WITH WATER FOR AT LEAST 15
MINUTES.

CONSULT A PHYSICIAN IF IRRITATION DEVELOPS. *** EYES: FLUSH WITH CLEAN WATER FOR
AT LEAST

15 MINUTES AND IMMEDIATELY GET MEDICAL ATTENTION.

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SECTION VI - REACTIVITY DATA

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STABILITY: THIS PRODUCT IS STABLE UNDER NORMAL STORAGE CONDITIONS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON. OXIDES OF NITROGEN. TOXIC
FUMES AND SMOKE.

CONDITIONS TO AVOID: HEAT, SPARKS OR FLAME.

INCOMPATABILITY: OXIDIZING AGENTS. ACIDS. ALKALIES. SULFIDES. HALOGENS.

SENSITIVITY TO STATIC DISCHARGE: TAKE PRECAUTIONARY MEASURES AGAINST STATIC
DISCHARGES.

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SECTION VII - SPILL OR LEAK PROCEDURES

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: ELIMINATE IGNITION SOURCES. STOP SOURCE OF SPILL. VENTILATE AREA. EVACUATE ALL NON ESSENTIAL PERSONNEL. WEAR APPROPRIATE PROTECTIVE EQUIPMENT. DIKE SPILL TO KEEP FROM SPREADING. COVER WITH INERT ABSORBENT. REMOVE TO DISPOSAL CONTAINER.

WASTE DISPOSAL METHOD: DO NOT CONTAMINATE ANY LAKES, PONDS, STREAMS, OR UNDERGROUND WATER SUPPLIES. DISPOSE OF IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS IN YOUR AREA.

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SECTION VIII - SAFE HANDLING AND USE INFORMATION

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RESPIRATORY PROTECTION: USE A COMBINATION ORGANIC VAPOR/TOXIC PARTICULATE HIGH EFFICIENCY FILTER RESPIRATOR. FOR HIGH CONCENTRATIONS, USE AIR SUPPLIED RESPIRATOR.

VENTILATION: EFFICIENT LOCAL EXHAUST VENTILATION IS REQUIRED. USE EXPLOSION PROOF VENTILATION EQUIPMENT.

PROTECTIVE GLOVES: WEAR APPROPRIATE CHEMICAL RESISTANT GLOVES/CLOTHING TO PREVENT SKIN CONTACT.

EYE PROTECTION: DO NOT GET IN EYES. WEAR SAFETY GLASSES/GOGGLES OR A FACE SHIELD.

OTHER PROTECTIVE EQUIPMENT: IMPERMEABLE APRON AND BOOTS. EYE BATH AND SAFETY

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SECTION VIII - SAFE HANDLING AND USE INFORMATION

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SHOWER.

HYGENIC PRACTICES: DO NOT GET IN EYES, SKIN OR CLOTHING. AVOID INHALING. DO NOT SWALLOW. KEEP AWAY FROM FOOD PRODUCTS. WASH HANDS THOROUGHLY AFTER HANDLING.

CHANGE AND
WASH CONTAMINATED CLOTHING.

SPECIAL SHIPPING INFORMATION: PAINT. FLAMMABLE LIQUID CLASS:3 UN#1263
PACKING GROUP II. CANUTEC 24 HOUR EMERGENCY NUMBER: (613) 996-6666

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SECTION IX - SPECIAL PRECAUTIONS
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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN A COOL, DRY, WELL
VENTILATED AREA, AWAY FROM ALL INCOMPATIBLE MATERIALS. KEEP AWAY FROM HEAT,
SPARKS AND
FLAME. KEEP CONTAINER CLOSED. GROUND ALL EQUIPMENT.

OTHER PRECAUTIONS: DO NOT USE PRESSURE TO EMPTY CONTAINERS. DO NOT CUT, GRIND,
WELD OR DRILL ON OR NEAR THIS CONTAINER. CONTAINERS WILL RETAIN PRODUCT RESIDUES
AND
VAPORS. HANDLE EMPTY CONTAINERS AS IF THEY WERE FULL. SOME OR ALL OF THE LISTED
COMPONENTS
OF THIS PRODUCT MAY PRESENT A HEALTH THREAT IN THE FORM OF DUSTS.

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SECTION X - HMIS INFORMATION
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HMIS: HEALTH: 3 FLAMMABILITY: 3 REACTIVITY: 0 PERSONAL
PROTECTION: K

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