

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: ARMOUR SHIELD B COMPONENT
 Identification Number: 83ARMB
 Product Use: PAINT ADDITIVE
 MANUFACTURER: Cloverdale Paint Inc.
 50 PANET ROAD
 WINNIPEG, MB
 R2J 0R9 204/237-0241
 PREPARED BY: Mr Robert Tinsley, 204-237-0241

WHMIS Class: D2A D2B
 SUPPLIER: Cloverdale Paint Inc.
 50 PANET ROAD
 WINNIPEG, MB
 R2J 0R9 204/237-0241
 DATE: 03/16/15

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WT. PERCENT		EXPOSURE LIMIT	LC50	LD50
		RANGE				
Hexane 1,6 diisocyanato homopolymer	28182-81-2	60.0-100.0		NO INFO	18.5 G/M3 RAT	>2G/KG RABBIT D
Hexamethylene Diisocyanate (HDI)	822-06-0	1.0-5.0		5 PPB	310 MG/M3 RAT	710 MG/KG RAT

N.A. - NOT APPLICABLE

SECTION III - PHYSICAL DATA

BOILING RANGE : 150-213 C
 ODOR : NONE
 APPEARANCE : CLEAR LIQUID
 VOLATILE BY WEIGHT: 0.0%
 VOLATILE BY VOLUME: 0.0%
 PH @ 0.00 % : 7.0
 VAPOR PRESSURE : 0.1 mm Hg

VAPOR DENSITY : IS HEAVIER THAN AIR
 EVAPORATION RATE: IS SLOWER THAN BUTYL ACETATE
 SOLUBILITY : NEGLIGIBLE
 SPECIFIC GRAVITY: 1.150
 FREEZING POINT : -40 C

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SECTION IV - FIRE AND EXPLOSION DATA
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FLASH POINT: 160 C
(TAGLIABUE C. C.)
NOT REGULATED FOR ROAD OR RAIL

LEL: N.A.
UEL: N.A.

EXTINGUISHING MEDIA: DRY CHEMICAL FOAM CARBON DIOXIDE

UNUSUAL FIRE AND EXPLOSION HAZARDS: 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.

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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. ISOCYANATE VAPORS AND MISTS CAN IRRITATE THE MUCOUS MEMBRANES CAUSING SHORTNESS OF BREATH AND REDUCED LUNG FUNCTION. *** INGESTION: MODERATELY TOXIC. HARMFUL IF SWALLOWED. *** SKIN: CAN CAUSE MODERATE IRRITATION. PROLONGED EXPOSURE MAY CAUSE SKIN SENSITIZATION. CAN BE ABSORBED THROUGH THE SKIN CAUSING A HEALTH HAZARD. *** EYES: MAY CAUSE MODERATE EYE IRRITATION. REPEATED OR PROLONGED EXPOSURES MAY CAUSE SKIN AND/OR RESPIRATORY SENSITIZATION. REPEATED EXPOSURES OR A SINGLE DOSE MAY CAUSE ISOCYANATE SENSITIZATION (CHEMICAL ASTHMA).

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: ALLERGIES. SKIN DISORDERS.

PRIMARY ROUTE(S) OF ENTRY: DERMAL INHALATION

EMERGENCY AND FIRST AID PROCEDURES: *** INHALATION: REMOVE TO FRESH AIR. ASSIST 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. *** 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: COULD OCCUR UNDER NORMAL CONDITIONS. CARE MUST BE EXERCISED.

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

CONDITIONS TO AVOID: HEAT, SPARKS OR FLAME.

INCOMPATIBILITY: OXIDIZING AGENTS. ACIDS. ALKALIES. WATER

SENSITIVITY TO STATIC DISCHARGE: TAKE PRECAUTIONARY MEASURES AGAINST STATIC

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SECTION VI - REACTIVITY DATA
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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: PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV. 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 CHEMICAL GOGGLES OR A FACE SHIELD.

OTHER PROTECTIVE EQUIPMENT: IMPERMEABLE APRON AND BOOTS. EYE BATH AND SAFETY 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: RESIN SOLUTION. FLAMMABLE LIQUID CLASS:3
UN#1866 PACKING GROUP III. 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: CONTAINERS WILL RETAIN PRODUCT RESIDUES AND VAPORS. HANDLE EMPTY CONTAINERS AS IF THEY WERE FULL.

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SECTION X - HMIS INFORMATION
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HMIS: HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 1 PERSONAL
PROTECTION: K
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