

CLEAR COAT™
MATERIAL SAFETY DATA SHEET (MSDS)

PRODUCT CODE: CLEAR COAT
PRODUCT CODE: CC-AWC-12

HMIS CODES: H F R P 100B

===== SECTION 1 - MANUFACTURER IDENTIFICATION=====

Manufacturers' NAME: AWC [Architectural Waterproofing Corporation]
ADDRESS : 2616 GIDC UMMBERGAON GUJRAT.

Emergency Phone: Back –Up (0260) 319-3000
Information Phone (022) 28883000

DATE PRINTED : _____
DATE REVISED : _____

===== SECTION 2 – HAZARDOUS INGREDIENTS/ IDENTIFICATION=====

EMERGENCY OVERVIEW

CAUTION
MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION.

POTENTIAL HEALTH EFFECTS: SEE SECTION 11 FOR MORE INFORMATION.

LIKELY ROUTES OF EXPOSURE: SKIN CONTACT, EYE CONTACT, INHALATION, AND INGESTION.

- EYE:** MAY CAUSE EYE IRRITATION.
SKIN: MAY CAUSE SKIN IRRITATION.
INGESTION: MAY BE HARMFUL IF SWALLOWED.
INHALATION: MAY CAUSE RESPIRATORY TRACT IRRITATION.

CHRONIC EFFECTS: PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION.

SIGNS AND SYMPTOMS: SYMPTOMS MAY INCLUDED IS COMFORT OR PAIN, EXCESS BLINKING AND TEAR PRODUCTION. SYMPTOMS MAY INCLUDE REDNESS, EDEMA, DRYING, DEFATTING AND CRACKING OF THE SKIN. MAY CAUSE STOMACH DISTRESS, NAUSEA OR VOMITING.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: ASTHMA. ALLERGIES.

TARGET ORGANS: SKIN, EYES, GASTROINTESTINAL TRACT, RESPIRATORY SYSTEM.

POTENTIAL ENVIRONMENT ALEFFECTS: MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT. SEE SECTION 12 FOR MORE INFORMATION.

=====SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS=====

INGREDIENT	CAS#	WT. %
DIPROPYLENE GLYCOL MONOBUTYL ETHER	29911-28-2	1-5

=====SECTION 4 FIRST AID MEASURES=====

EYES:

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER. REMOVE CONTACT LENSES, IF WORN. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

SKIN:

IF IRRITATION OCCURS, FLUSH SKIN WITH PLENTY OF SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

INHALATION:

BREATHING IS DIFFICULT, GIVE OXYGEN. IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY. IF BREATHED IN, MOVE PERSON INTO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF

INGESTION:

IF OR CALL SWALLOWED, DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL. SEEK MEDICAL ATTENTION POISON CONTROL IMMEDIATELY.

GENERAL ADVICE:

IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL OR MSDS WHERE POSSIBLE).

NOTE TO PHYSICIAN:

SYMPTOMS MAY NOT APPEAR IMMEDIATELY.

=====SECTION 5 FIRE FIGHTING MEASURES=====

FLAMMABILITY: NOT FLAMMABLE BY WHMIS CRITERIA.

MEANS OF EXTINCTION:

SUITABLE EXTINGUISHING MEDIA: POWDER, WATERSPRAY, FOAM, CARBONDIOXIDE.

UNSUITABLE EXTINGUISHING MEDIA: NOT AVAILABLE.

PRODUCTS OF COMBUSTION: MAY INCLUDE, AND ARE NOT LIMITED TO: OXIDES OF CARBON.

EXPLOSION DATA:

SENSITIVITY TO MECHANICAL IMPACT: NOT AVAILABLE.

SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE.

PROTECTION OF FIREFIGHTERS: KEEP UP WIND OF FIRE. WEAR FULL FIRE FIGHTING TURN-OUT GEAR (FULL BUNKER GEAR) AND RESPIRATORY PROTECTION (SCBA).

=====SECTION 6 ACCIDENTAL RELEASE MEASURES=====

PERSONAL PRECAUTIONS: USE PERSONAL PROTECTION RECOMMENDED IN SECTION 8. ISOLATE THE HAZARD AREA AND DENY ENTRY TO UNNECESSARY AND UNPROTECTED PERSONNEL.

ENVIRONMENTAL PRECAUTIONS: KEEP OUT OF DRAINS, SEWERS, DITCHES, AND WATERWAYS. MINIMIZE USE OF WATER TO PREVENT ENVIRONMENTAL CONTAMINATION.

METHODS FOR CONTAINMENT: CONTAIN AND /OR ABSORB SPILL WITH INERT MATERIAL (E.G. SAND, VERMICULITE), THEN PLACE IN A SUITABLE CONTAINER. DO NOT FLUSH TO SEWER OR ALLOW TO ENTER WATERWAYS. USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE).

METHODS FOR CLEAN-UP: SCOOP UP MATERIAL AND PLACE IN A DISPOSAL CONTAINER. PROVIDE VENTILATION.

OTHER INFORMATION: NOT AVAILABLE.

=====SECTION 7 HANDLING AND STORAGE=====

HANDLING:

AVOID CONTACT WITH SKIN AND EYES. DO NOT SWALLOW. DO NOT BREATHE GAS/ FUMES/ VAPOR/ SPRAY. USE ONLY IN WELL-VENTILATED AREAS. HANDLE AND OPEN CONTAINER WITH CARE. WHEN USING DO NOT EAT OR DRINK. WASH HANDS BEFORE EATING, DRINKING, OR SMOKING.

KEEP OUT OF THE REACH OF CHILDREN. KEEP CONTAINER TIGHTLY CLOSED. STORE IN A COOL PLACE, AWAY FROM INCOMPATIBLES.

STORAGE:

=====SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION=====

EXPOSURE GUIDELINES

INGREDIENT

DIPROPYLENE GLYCOL MONO BUTYL ETHER

EXPOSURE LIMITS

ACGIH-TLV

NOT AVAILABLE.

FUME, VAPOR, ETC.) BELOW RECOMMENDED EXPOSURE LIMITS.

ENGINEERING CONTROLS: USE VENTILATION ADEQUATE TO KEEP EXPOSURES (AIRBORNE LEVELS OF DUST,

PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACEPROTECTION: WEAR EYE/FACE PROTECTION.

HANDPROTECTION: WEAR SUITABLE GLOVES.

SKINANDBODYPROTECTION: WEAR SUITABLE PROTECTIVE CLOTHING.

RESPIRATORYPROTECTION: INCASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT.

GENERAL HYGIENE CONSIDERATIONS: HANDLE ACCORDING TO ESTABLISHED INDUSTRIAL HYGIENE AND SAFETY PRACTICES

=====SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES=====

APPEARANCE:

CLEAR.

COLOUR:

COLOURLESS.

ODOUR:

AMMONIA ODOUR.

ODOURTHRESHOLD:

NOTAVAILABLE.

PHYSICAL STATE:

LIQUID.

PH:

8.0

VISCOSITY:

100 cPS @ 40°C (100°F)

FREEZING POINT:	NOTAVAILABLE.
BOILING POINT:	~230°C (~446°F)
FLASH POINT:	~100°C (~212°F)
EVAPORATION RATE:	<1 (ETHER=1)
LOWER FLAMMABILITY LIMIT:	0.6 @ 145°C (293°F)
UPPER FLAMMABILITY LIMIT:	20 @ 180°C (356°F)
VAPOR PRESSURE:	17 MM HG @ 20°C (68°F)
VAPOR DENSITY:	>1(AIR =1)
SPECIFIC GRAVITY:	1.0177
SOLUBILITY IN WATER:	SOLUBLE.
COEFFICIENT OF WATER/ OIL DISTRIBUTION:	NOT AVAILABLE.
AUTO-IGNITION TEMPERATURE:	NOTAVAILABLE.
PERCENT VOLATILE, WT. %:	NOTAVAILABLE.
VOC CONTENT, WT. %:	COATING: 1.29LB/GL (155G/L) MATERIAL: 0.27LB/GL (33G/L)

=====SECTION 10 STABILITY & REACTIVE DATA=====

STABILITY:
STABLE UNDER NORMAL STORAGE CONDITIONS.

CONDITIONS OF REACTIVITY:
HEAT. INCOMPATIBLE MATERIALS.

INCOMPATIBILITY (MATERIALS TO AVOID):
STRONG OXIDIZING MATERIALS, STRONG ALKALIS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
MAY INCLUDE, AND ARE NOT LIMITED TO: OXIDES OF CARBON.

POSSIBILITY OF HAZARDOUS REACTIONS:
NO DANGEROUS REACTION KNOWN UNDER CONDITIONS OF NORMAL USE.

=====SECTION 11 TOXICOLOGICAL INFORMATION=====

**EFFECTS OF ACUTE EXPOSURE
COMPONENT ANALYSIS**

INGREDIENT	LD₅₀(ORAL)	LC₅₀
DIPROPYLENE GLYCOL MONOBUTYL ETHER	3700MG/KG,RAT	>5.4MG/L4HR,RAT

EYE: MAY CAUSE EYE IRRITATION. SYMPTOMS MAY INCLUDE IS COMFORT OR PAIN, EXCESS BLINKING AND TEAR PRODUCTION.

SKIN: MAY CAUSE SKIN IRRITATION. SYMPTOMS MAY INCLUDE REDNESS, EDEMA, DRYING, DEFATTING AND CRACKING OF THE SKIN.

INGESTION: MAY BE HARMFUL IF SWALLOWED. MAY CAUSE STOMACH DISTRESS, NAUSEA OR VOMITING.

INHALATION: MAY CAUSE RESPIRATORY TRACT IRRITATION.

EFFECTS OF CHRONIC EXPOSURE

TARGET ORGANS: NOT AVAILABLE.

CHRONIC EFFECTS: NOT HAZARDOUS BY WHMIS CRITERIA.

CARCINOGENICITY: NOT HAZARDOUS BY WHMIS CRITERIA.

INGREDIENT

**CHEMICAL LISTED AS CARCINOGEN OR
POTENTIAL CARCINOGEN***
NOTLISTED.

DIPROPYLENE GLYCOL MONOBUTYL ETHER

*SEE SECTION 15 FOR MORE INFORMATION.

MUTAGENICITY: NOT HAZARDOUS BY WHMIS CRITERIA.

REPRODUCTIVE EFFECTS: NOT HAZARDOUS BY WHMIS CRITERIA.

DEVELOPMENTAL EFFECTS:

TERATOGENICITY: NOT HAZARDOUS BY WHMIS CRITERIA.

EMBRYOTOXICITY: NOT HAZARDOUS BY WHMIS CRITERIA.

RESPIRATORY SENSITIZATION: NOT HAZARDOUS BY WHMIS CRITERIA.

SKIN SENSITIZATION: NOT HAZARDOUS BY WHMIS CRITERIA.

TOXICOLOGICALLY SYNERGISTIC MATERIALS: NOT AVAILABLE.

=====SECTION 12 ECOLOGICAL INFORMATION=====

ECOTOXICITY: MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

PERSISTENCE/DEGRADABILITY: NOT AVAILABLE.

BIO ACCUMULATION/ACCUMULATION: NOT AVAILABLE.

MOBILITY IN ENVIRONMENT: NOT AVAILABLE.

=====SECTION 13 DISPOSAL CONSIDERATIONS=====

DISPOSAL INSTRUCTIONS:

THIS MATERIAL MUST BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE, PROVINCIAL, AND FEDERAL REGULATIONS.

=====SECTION 14 TRANSPORT INFORMATION=====

TDG CLASSIFICATION:

NOT REGULATED

=====SECTION 15 REGULATORY INFORMATION=====

FEDERAL REGULATIONS

CANADA: THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CONTROLLED PRODUCTS REGULATIONS AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CONTROLLED PRODUCTS REGULATIONS.

GLOBAL INVENTORIES

INGREDIENT

**CANADA
DSL/NDSL
DSL**

DIPROPYLENE GLYCOL MONOBUTYL ETHER

HMIS- HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

HEALTH-1

FLAMMABILITY-1

PHYSICAL HAZARD-0 PPE-B

NFPA- NATIONAL FIRE PROTECTION ASSOCIATION:

HEALTH-1

FIRE-1

REACTIVITY-0

HAZARD RATING: 0=MINIMAL, 1=SLIGHT, 2=MODERATE, 3=SEVERE, 4=EXTREME

WHMIS CLASSIFICATION(S):

NOT CONTROLLED.

SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

ACGIH (G) AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS.

- A1 – CONFIRMED HUMAN CARCINOGEN.
- A2 – SUSPECTED HUMAN CARCINOGEN.
- A3 – ANIMAL CARCINOGEN.
- A4 - NOT CLASSIFIABLE AS A HUMAN CARCINOGEN.
- A5 – NOT SUSPECTED AS A HUMAN CARCINOGEN.

IARC (I) INTERNATIONAL AGENCY FOR RESEARCH ON CANCER.

- 1 – THE AGENT (MIXTURE) IS CARCINOGENIC TO HUMANS.
- 2A- THE AGENT (MIXTURE) IS PROBABLY CARCINOGENIC TO HUMANS; THERE IS LIMITED EVIDENCE OF CARCINOGENICITY IN HUMANS AND SUFFICIENT EVIDENCE OF CARCINOGENICITY IN EXPERIMENTAL ANIMALS.
- 2B- THE AGENT (MIXTURE) IS POSSIBLY CARCINOGENIC TO HUMANS; THERE IS LIMITED EVIDENCE OF CARCINOGENICITY IN HUMANS IN THE ABSENCE OF SUFFICIENT EVIDENCE OF CARCINOGENICITY IN EXPERIMENTAL ANIMALS.
- 3 – THE AGENT (MIXTURE, EXPOSURE CIRCUMSTANCE) IS NOT CLASSIFIABLE AS TO ITS CARCINOGENICITY TO HUMANS.
- 4 – THE AGENT (MIXTURE, EXPOSURE CIRCUMSTANCE) IS PROBABLY NOT CARCINOGENIC TO HUMANS.

NTP (N) NATIONAL TOXICOLOGY PROGRAM.

- KNOWN TO BE CARCINOGENS.
- REASONABLY ANTICIPATED TO BE CARCINOGENS.

=====SECTION 16 OTHER INFORMATION=====

The information contained herein relates only to the Specific material identified. AWC believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. To assure proper use & disposal of these materials & the safety & health of employees & customers, AWC urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.

[AWC \[Architectural Waterproofing Corporation\]](#)

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