

**ELASTIC™
MATERIAL SAFETY DATA SHEET (MSDS)**

**PRODUCT CODE: ELASTIC
PRODUCT CODE: EL-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/ SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	MM HG	@ TEMP	WEIGHT PERCENT---
Nepheline syenite No exposure limits have been established for this material. ~	37244-96-5	N/A	N/A	35
Titanium dioxide ACGIH TLV: 10mg/m3 Dust OSHA PEL: 15mg/m3 Total Dust OSHA PEL: 5mg/m3 Respirable Dust	13463-67-7	N/A	N/A	0-6
WHMIS: D2A- Toxic material causing other toxic effects. *Ethylene Glycol ACGIH TLV 39.4ppm, 127mg/m3Ceiling OSHA PEL 50ppm	107-21-1	0.06	68F/20C	2
Zinc Oxide ACGIH TLV: 10mg/m3 Dust OSHA PEL: 15mg/m3 Total Dust OSHA PEL: 5mg/m3 Respirable Dust	1314-13-2	N/A	N/A	2

*Indicates toxic chemical (s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

#indicates carcinogenic chemical.

NOTE: If tinted may contain Carbon Black CAS#1333-86-4 AND/OR Crystalline Silica CAS#14808-60-7. If tinted DARK GRAY or BLACK consider these levels to be reportable.

This MSDS may be used for other Colors and Container Sizes of This product.

=====SECTION 3 HAZARDS IDENTIFICATION=====

POTENTIAL HEALTH EFFECTS

EYES:

May cause slight/moderate irritation to the eye

SKIN:

Contact causes moderate skin irritation. Causes drying of the skin.

INGESTION:

While this material has a low degree of toxicity, ingestion of large quantities may cause irritation of the digestive tract.

INHALATION:

May cause irritation to respiratory tract.

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

EYES:

Immediately flush with lots of water for at least 15 minutes. If redness, itching, or a burning sensation persists consult a physician or ophthalmologist immediately.

SKIN:

Wash with plenty of soap and water. Remove contaminated clothing and shoes, wash before reuse. Consult a physician immediately.

INGESTION:

Not considered a potential route of exposure. If swallowed, Give 2 glasses of water to drink. Never give anything by mouth to an unconscious person. Consult a physician immediately.

INHALATION:

Remove from source of exposure and into fresh air. If Symptoms persist consult a physician immediately. If not breathing, give artificial respiration and call emergency medical services immediately.

NOTE TO PHYSICIAN:

No specific antidote. Supportive care, treatment based on judgment of the physician in response to reactions of the patient.

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

FLAMMABLE PROPERTIES:

FLASH POINT: 250F/111C

LOWER FLAMMABLE LIMITS: N/A

UPPER FLAMMABLE LIMIT: N/A

AUTO IGNITION TEMPERATURE: Not Determined.

EXTINGUISHING MEDIA:

On a large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO₂), dry chemical or water spray. Water can be used to cool fire exposed containers.

SPECIAL FIRE FIGHTING PROCEDURES:

On a large, NIOSH approved (SCBA) self contained breathing apparatus and protective clothing should be worn. Respiratory and eye protection required for firefighting personnel. Full protective equipment should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, use of an SCBA may not be required. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

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

SMALL SPILL:

Personal precautions

Appropriate protective equipment must be worn when handling a spill of this material. See SECTION 8, Exposures Controls/Personal Protection, for recommendations.

If exposed to material during clean- up operations, see SECTION 4, First Aid Measures, for actions to follow.

Environmental Precautions: WARNING: KEEP SPILLS AND CLEANING RUNOFFS OUT OF MUNICIPAL SEWERS AND OPEN BODIES OF WATER.

NOTE: Spills on porous surfaces can contaminate groundwater.

Methods for cleaning up: Evacuate personnel to safe areas.

Ventilate the area. Floor may be slippery; use care to avoid falling. Soak up with inert absorbent material (sand, silica gel, acid binder, universal binder, sawdust). Sweep up or vacuum up spillage and collect in suitable container for disposal.

Avoid breathing vapor. Avoid all contact.

LARGE SPILL:

Remove all liquid with the use of a vacuum system. If unable to remove as a liquid, then begin to absorb with sand, saw dust or commercial absorbent, and scoop up and place in containers for proper disposal.

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

HANDLING AND STORAGE:

Use with adequate ventilation. Provide ventilation during use to control exposure within Section 8 guidelines. If TLV'S are exceeded use appropriate respiratory protection. Avoid eye contact. Avoid skin contact. Do not breathe vapor. Keep container closed. Do not take internally.

OTHER PRECAUTIONS:

Always obey hazard warnings and handle empty containers as if they contained material. Follow all MSDS/ label precautions even after container is emptied because it may retain product residues. Avoid prolonged or repeated breathing of vapor or spray mist. Use only in a well ventilated area. Keep out of the reach of children. Wash thoroughly after handling. Keep from freezing. Keep container cool and dry. Keep product containers tightly closed when not in use. Avoid subjecting this product to extreme temperature variations.

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

ENGINEERING CONTROLS / PERSONAL PROTECTION:

Good general ventilation is suggested. Re-circulating systems should, whenever practical, be operated in the bypass mode to avoid concentrating air contaminants in the workspace. In outside spray, mixing and rolling applications situate workers upwind of operation & provide airflow in a downwind direction so as to carry fumes & residual spray away from workers.

RESPIRATORY PROTECTION:

None required if area is adequately ventilated. Where over spray is present, if concentration of product is or is above the exposure guidelines use NIOSH approved air-purifying respirator equipped with an ammonia / methylamine cartridges(s).

Follow OSHA regulation 29 CFR 1910.134 for respirator use.

SKIN PROTECTION:

Chemical protective gloves are recommended.

EYE PROTECTION:

Safety glasses with side –shields eye protection worn must be compatible with respiratory

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

BOILING RANGE: 374F/192C

SPECIFIC GRAVITY (H₂O=1): 1.4183

VAPOR DENSITY (Air=1): LIGHTER THAN AIR

EVAPORATION RATE (N- Butyl Acetate =1)

SLOWER THAN EITHER

COATING V.O.C.: 0.58 lb/g1

COATING V.O.C.: 70 g/1

MATERIAL V.O.C.: 0.33 lb/g1

MATERIAL V.O.C.: 39 g/1

SOLUBILITY IN WATER: SOLUBLE

APPEARANCE: MODERATELY VISCOUS PIGMENTED LIQUID, VARIOUS COLORS.

ODOR: AMMONIA ODOR.

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

STABILITY:

STABLE

CONDITIONS TO AVOID:

EXTREMELY HOT OR COLD TEMPERATURES.

INCOMPATIBILITY (MATERIALS TO AVOID):

AVOID CONTACT WITH STRONG ACIDS AND STRONG OXIDIZING MATERIALS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

THERMAL DECOMPOSITION MAY YIELD CARBON MONOXIDE AND CARBON DIOXIDE.

UNIDENTIFIED ORGANIC COMPOUNDS IN FUMES AND SMOKE MAY BE FORMED DURING COMBUSTION.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

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

*Data is for individual components of preparation that appear as hazardous.

Materials having known chronic/acute effects on eyes:

NO DATA

Materials having a known dermal toxicity.

Titanium Dioxide CAS # 13463-67-7 Dermal LD50 (rabbit) >10g/kg

Materials having a known oral toxicity.

TITANIUM DIOXIDE CAS # 13463-67-7 Oral LD50 (rat) >25g/kg

Materials having a known Inhalation hazard:

TITANIUM DIOXIDE CAS # 13463-67-7 LC 50(rat)>6.82mg/l (4hr)

Identified Acute/Short-term Effects:

Headache, nausea, abdominal pain and irritation of the nose, throat and lungs. Skin and eye irritation.

Identified Carcinogens/Long term Effects:

There is no reported health effects associated with repeated or prolonged exposure to pure calcium carbonate. Chronic exposure to limestone dust at concentrations exceeding occupational exposure limits may cause pneumoconiosis (lung disease). This product contains crystalline silica (quartz) as an impurity.

Chronic exposure to crystalline silica dust at concentrations exceeding occupational exposure limits may cause silicosis. The NTP's Ninth Report on Carcinogens lists crystalline silica (respirable size) as a known human carcinogen. IARC concluded that there is sufficient evidence in humans for the carcinogenicity of inhaled (respirable) crystalline silica.

Identified Teratogens:

NO DATA

Identified Reproductive toxins:

NO DATA.

Identified Mutagens:

NO DATA.

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

ECOTOXICOLOGICAL INFORMATION:

Titanium Dioxide CAS#13463-67-796 Hr LC50 (Fathead minnows)>1,000mg/l

CHEMICAL FATE INFORMATION:

This product is not expected to be biodegradable. Avoid spillage into the environment.

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

INSTRUCTIONS:

DISPOSE OF CONTAMINATED PRODUCT & MATERIALS USED IN CLEANING UP SPILLS OR LEAKS IN A MANNER APPROVED FOR THIS MATERIAL. CONSULT APPROPRIATE FEDERAL, STATE & LOCAL REGULATORY AGENCIES TO ASCERTAIN PROPER DISPOSAL PROCEDURES. EMPTY CONTAINERS WILL RETAIN PRODUCT RESIDUE & VAPORS AND ARE SUBJECT TO PROPER WASTE DISPOSAL, AS ABOVE.

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

SHIPPING INFORMATION:

DEPARTMENT OF TRANSPORTATION CLASSIFICATION: NON- HAZARDOUS D.O.T. PROPER SHIPPING
NAME: NOT HAZARDOUS
OTHER REQUIREMENTS: N/A.

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

(NOT MEANT TO BE ALL INCLUSIVE- SELECTED REGULATIONS REPRESENTED)

US REGULATIONS:

STATUS OF SUBSTANCES LISTS:

THE CONCENTRATIONS SHOWN IN SECTION II ARE MAXIMUM CEILING LEVELS (WEIGHT %) TO BE USED FOR CALCULATIONS FOR REGULATIONS.

A REPORTABLE QUANTITY IS A QUANTITY OF A HAZARDOUS SUBSTANCE THAT TRIGGERS REPORTING REQUIREMENTS UNDER THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION & LIABILITY ACT (CERCLA). IF A SPILL OF A SUBSTANCE EXCEEDS IT'S REPORTABLE QUANTITY (RQ) IN CFR 302.3 TABLE 40 302.4 APPENDIX A & 302.4 APPENDIX B, THE RELEASE MUST BE REPORTED TO THE NATIONAL RESPONSE CENTRE AT (800) 424-8802, THE STATE EMERGENCY RESPONSE COMMISSION (SERC), AND COMMUNITY EMERGENCY CO-ORDINATORS LIKELY TO BE AFFECTED.

COMPONENTS PRESENT THAT COULD REQUIRE REPORTING UNDER THE STATUTE ARE:

NONE KNOWN

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III REQUIRES EMERGENCY PLANNING BASED ON THE THRESHOLD QUANTITIES (TPQ'S) AND RELEASE REPORTING BASED ON REPORTABLE QUANTITIES (RQ'S) IN 40 CFR 355 APPENDIX A & B EXTREMELY HAZARDOUS SUBSTANCES. THE EMERGENCY PLANNING AND RELEASE REQUIREMENTS OF 40 CFR 355 APPLY TO ANY FACILITY AT WHICH THERE IS PRESENT AN AMOUNT OF ANY EXTREMELY HAZARDOUS SUBSTANCES EQUAL TO OR IN EXCESS OF IT'S SHARESHOLD PLANNING QUANTITY.

COMPONENTS PRESENT THAT COULD REQUIRE REPORTING UNMDER THE STATUTE ARE:

NONE KNOWN

EPCRA 40 CFR 372 (SECTION 313 REQUIRES EPA AND THE STATES TO ANNUALLY COLLECT DATA ON RELEASE OF CERTAIN TOXIC MATERIALS FROM INDUSTRIAL FACILITIES , AND MAKE THE DATA AVAILABLE TO THE PUBLIC IN THE TOXICS RELEASE INVENTORY (TRI), TH INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT ARE COPIED AND DISTRIBUTED OR COMPILED FOR THIS MATERIAL. REPORTINGTHRESHOLD: STANDARD: A FACILITY MUST REPORT IF IT MANUFACTURES (INCLUDING IMPORTS) OR PROCESSES 25,000 POUNDS OR MORE OR OTHER WISE USES 10,000 POUNDS OR MORE OF A LISTED TOXIC CHEMICAL DURING THE CALENDAR YEAR

COMPONENTS PRESENT THAT COULD REQUIRE REPORTING UNDER THE STATUTE ARE:

SEE SECTION II

THE COMPONENTS OF THIS PRODUCT ARE LISTED OR EXCLUDED FROM LISTING ON THE US TOXIC SUBSTANCE CONTROL ACT (TSCA) CHEMICAL SUBSTANCE INVENTORY. MIXTURES SHALL BE ASSUMED TO PRESENT THE SAME HEALTH HAZARDS AS DO THE COMPONENTS WHICH COMPRISE ONE PERCENT (BY WEIGHT OR VOLUME) OR GREATER OF THE MIXTURE, EXCEPT THAT THE MIXTURE SHALL BE ASSUMED TO PRESENT A CARCINOGENIC HAZARD IF IT HAS A COMPONENT IN CONCENTRATIONS OF 0.1 PERCENT OR GREATER. THE REMAINING PERCENTAGE OF UNSPECIFIED INGREDIENTS, IF ANY, ARE NOT CONTAINED IN ABOVE DEMINIMIS CONCENTRATIONS AND / OR ARE BELIEVED TO BE NON-HAZARDOUS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29CFR1910.1200) AND MAY CONSIST OF PIGMENTS, FILLERS, DEFOAMERS, WETTING AGENTS, RESINS, DRYERS, ANTI-BACTERIAL AGENTS, WATER AND / OR SOLVENTS IN VARYING CONCENTRATIONS.

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS:

This product is not listed in any division, class, or subdivision.

This Product contains the following in recordable amounts:

Titanium DioxideCAS#13463-67-7

WHMIS Classification: D2A

WHMIS Health Effects Criteria Met by this Chemical:

Very toxic material causing other toxic effects

CANADIAN ENVIRONMENTAL PRITECTION ACT (CEPA):

All of the components of this product are exempt or listed on the DSL / NDSL. See Section II For Composition / Information on Ingredients.

EINECS:

All of the components of this product are listed in the EINECS inventory or are exempt from notification requirements.

STATE REGULATIONS:

CALIFORNIA:

California proposition 65: The following statement is made in order to comply with The California Safe Drinking Water & Toxic Enforcement Act of 1986

“WARNINGS”: This product contains the chemical(s) appearing below known to the State of California to:

A: CAUSE CANCER

TITANIUM DIOXIDE (AIRBORNE, UNBOUND PARTICLES OF RESPIRABLE SIZE) IN ADDITION TO THE ABOVE NAMED CHEMICALS, IF ANY; THIS PRODUCT MAY CONTAIN TRACE AMOUNTS OF SOME CHEMICALS CONSIDERED BY THE STATE OF CALIFORNIA TO BE CARCINOGENS OR REPRODUCTIVE TOXICANTS.

***If tinted contains Carbon Black: CAS#1333-86-4 and may also contain trace amounts of Crystalline Silica: CAS#14808-60-7**

B. CAUSES Birth Defects or other Reproductive Harm:

NONE KNOWN

In addition to the above named chemical(s) (if any), this product may contain Cancer or Birth Defects and other Reproductive Harm

DELAWARE:

NONE KNOWN

FLORIDA:

NONE KNOWN

IDAHO:

NONE KNOWN

MASSACHUSETTS

TITANIUM DIOXIDE CAS#13463-67-7 SUBSTANCE CODES: 4

MICHIGAN:

NONE KNOWN

MINNESOTA:

NONE KNOWN

TITANIUM DIOXIDE CAS# 13463-67-7

LISTED IN THE MINNESOTA HAZARDOUS SUBSTANCES LIST:

CODES: A
HAZARDOUS: --
CARCINOGEN? NO

NEW JERSEY:

NONE KNOWN

NEW YORK:

NONE KNOWN

PENNSYLVANIA:

TITANIUM DIOXIDE CAS#13463-67-7 CODE: --

WASHINGTON:

WASHINGTON AIR CONTAMINANT:

Titanium Dioxide (Total Dust)	CAS#13463-67-7	
Washington Air Contaminant:	ppm	mg/CubicMeter
TWA	UNK	10
STEL	UNK	UNK
CEILING	UNK	UNK
SKIN:UNK		

Wisconsin:
NONE KNOWN
West Virginia
The following is on the West Virginia Toxic Air Pollutant List:
NONEKNOWN

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

HMIS®III

Health :
Flammability :
Physical Hazard :

*Following Health rating Indicates Chronic/Carcinogenic Effects

HMIS®III **Personal Protection** :

This rating is for the product as it is packaged. This rating will need to be adjusted by the user based on conditions of use.

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]

H.O: A-11, 4th Floor, Malad Yojna CHSL, S.V Road, Malad (W), Mumbai 400 064.
Tel: 022 28883000/3002, 3222 7830. URL: www.awcindia.in E:info@awcindia.in

Factory Address: Plot 2616, New GIDC, Opp. Weighing Scale, Umbergaon, Dist: Valsad, Gujarat 396 171.
Tel.: +0260 3193000. URL: www.awcindia.in E: factory@awcindia.in

THE INFORMATION CONTAINED HEREIN IS FURNISHED WITHOUT WARRANTY OF ANY KIND. USERS SHOULD CONSIDER THESE DATA ONLY AS A SUPPLEMENT TO OTHER INFORMATION GATHERED BY THEM & DETERMINE THE SUITABILITY & COMPLETENESS OF INFORMATION FROM ALL SOURCES TO ASSURE PROPER USE & DISPOSAL OF THESE MATERIALS & THE SAFETY OF EMPLOYEES & CUSTOMERS.

Our products are guaranteed to meet established quality control standards. Information contained in our technical data is based on laboratory and field testing, but is subject to change without prior notice. No guarantees of accuracy are given or implied, nor does AWC assume any responsibility for coverage, performance or injuries resulting from storage, handling or use of our products. Liability, if any, is limited to product replacement or, if applicable, to the terms stated within the executed project warranty.