Limix answer of Insulating problems

1- IDENTIFICATION OF SUBSTANCE AND COMPANY

***Plasticoat 110*:** Aqua's waterproofing material

***Product Code*:** Plasticoat 110

***MSDS date*:** 05/12/2012
***Registration number*:** Not applicable
Company Identification: # 4, 3th floor, no. 562, Juybar St, Zartosht cross road, Valiasr ave, Tehran-Iran
***Emergency tel.* no.:** 0098-912 124 45 15

Plasticoat is a trademark of ***LIMIX*** Company

2- COMPOSITION / INFORMATION ON INGREDIENTS

	Weight **%**	***CAS No.***
• ***Acrylic copolymer***	35 % min	Not hazardous
• ***Residual monomers***	0.1 % max	Not required
• ***Water***	38 % max	7732-18-5
• ***Extender / filler***	mixture	1317-65-3
• ***Pigments***	mixture	13463-67-7
• ***Silicates***	mixture	-
• ***Additives***	mixture	-

Note: The mixture in the *Weight %* column is used to denote two or more components.

3- HAZARS IDENTIFICATION

***Primary Routes of Exposur*e: Inhalation, Eye contact, skin contact**

- ***Inhalation*:** Vapor or mist can cause the following: Irritation of nose, throat, lungs, headache and nausea**.**
- ***Eye contact*:** Direct contact with material can cause the following: Slightly irritation.
- ***Skin contact*:** Prolonged or repeated skin contact can cause the following: Slightly skin irritation.

INGESTION

Consult a physician **NOTES TO PHYSICIAN**: Toxicology studies of similar materials have shown the material to be of very low acute toxicity. There is no specific antidote. Treatment of overexposure should be directed at the control of the symptoms and clinical condition.

4- FIRST AID MEASURE

- ***Inhalation*:** Move to fresh air.
- ***Eye contact*:** Rinse with plenty of water. If eye irritation persists, consult a specialist.
- ***Skin contact*:** Wash with soap and water as a precaution. If skin irritation persists, call physician.
- ***Ingestion*:** Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

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5 - FIRE FIGHTHING MEASURES

Flash point	Non combustible
Auto-ignition Temperature	Not applicable
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable

***Thermal decomposition*:** May yield acrylic monomers, CO2,

***UNUSUAL HAZARDS*:** Material can splatter above 100 °C / 212 °F. Dried products can burn.

Suitable extinguishing agents: Use extinguishing agents appropriate for surrounding fire.

***Specific hazards during fire fighting*:** Material can splatter above 100 °C / 212 °F. Dried product can burn.

SPECIAL PROCEDURES: Use water spray to cool containers exposed to fire.

***Special protective equipment for fire-fighters*:** Wear self-contained breathing apparatus and protective suit.

6- ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Use personal protective equipment.
Keep people away from and upwind of spill / leak.
Material can create slippery conditions.

Environmental precautions:

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Procedures / Methods for cleaning up:

Keep spectators away. Floor may be slippery; use care to avoid falling. Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.
CAUTION: Keep spills and runoff out of municipal sewers and open bodies of water.

7- HANDLING AND STORAGE

Handling:

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors, mist or gas.

Further information on storage conditions:

Keep from freezing, Product stability may be affected.

Storage:

Storage temperature +5 to +35 °C / 41 to 95 °F

Other data:

Monomer vapors can be evolved when material is heated during processing operations. See ***SECTION 8*** for types of ventilation required.

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8- EXPOSUER CONTROLS / PERSONAL PROTECTION

Eye protection:

Safety glasses with side-shields, eye protection worn must be compatible with respiratory protection system employed.

Hand protection:

The glove(s) listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves.

Respiratory protection:

A respiratory protection program meeting ***OSHA 1910.134*** and ***ANSI Z88.2*** requirements or equipment must be followed whenever workplace conditions warrant a respirator's use. None required if airborne concentrations are maintained below the exposure limit listed in "Exposure Limit Information".
For airborne concentrations up to 10 times the exposure limit, wear a properly fitted ***NIOSH*** approved (or equivalent) half-mask, air purifying respirator.

Protective measures:

Facilities storing or utilizing this material should be equipped with an eyewash facility.

Engineering measures:

Use local exhaust ventilation with a minimum capture velocity of 100 ft/min (0.5 m/sec), at the point of vapor evolution. Refer to the current edition of industrial ventilation: a manual of recommended practice published by ***American Conference of Governmental Industrial Hygienists*** for information on the design, installation use, and maintenance of exhaust systems.

9- PHYSICAL AND CHEMICAL PROPERTIES

Form	Paste / Cream
Color	White
PH	6 – 8
Boiling point / range	Water, 100 °C / 212 °F
Flash point	Non combustible
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Vapor pressure	Water, 17.0 mm Hg @ 20 °C / 68 °F
Relative vapor density	Water, < 1
Viscosity	14000 ± 2000 mPas @ 25 °C / 77 °F
Evaporation rate	Water, < 1
Non volatile %	67 ± 2 %
Density	1.30 gr/cm^3 @ 25 °C / 77 °F
Water solubility	Dilutable

Note: the physical data presented above are typical values and should not be constructed as a specification.

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10- STABILITY AND REACTIVITY

Hazardous reactions: Not known.
Stability: stable. ***Keep from freeze***.

Material to avoid: There are no known materials which are incompatible with this product.
Polymerization: Product in sealed package and under normal condition of storage will not undergo polymerization.

11- TOXICOLOGOCAL INFORMATION

No data are available for this material. The information shown is based on profiles of compositionally similar materials.

Acute oral toxicity: LD50 rat: > 5000 mg/kg
Acute dermal toxicity: LD50 rabbit: > 5000 mg/kg
Skin irritation: Rabbit may cause transient irritation.
Eye irritation: Rabbit no eye irritation.

12- ECOLOGICAL INFORMATION

There is no data available for this material.

13- DISPOSAL CONSIDERATION

Environmental precautions:
CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Disposal:

Waste classification:
When a decision is made to discard this material as supplied, it does not meet **RCRA's** characteristic definition of ignitability, corrosively, or reactivity, and is not listed in 40 **CFR 261.33**. the toxicity character (TC), however, has not been evaluated by the toxicity characteristic leaching procedure (TCLP). Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate or hand fill at a permitted facility in accordance with local, state, and federal regulations.

14- TRANSPORT INFORMATION

DOT Not regulated for transport.
IMO / IMDG Not regulated (not dangerous for transport).
Transportation classifications may vary by container volume and may be influenced by regional or country variations.

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15- REGULATORY INFORMATION

Workplace classification:

This product is considered on-hazardous under **OSHA** hazard communication standard (**29CFR 1910.1200**).

SARA TITLE III: section 311/312 categorizations (40CFR370):

This product is not hazardous chemical under **29CFR 1910.1200** and therefore is not coverd by title III of SARA.

SARA TITLE III: section 313 categorizations (40CFR372):

This product is not containing chemical which is listed in section 313 at or above minimis concentrations.

CERCLA information (40CFR302.4):

Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) title III section 304.

16- OTHER INFORMATION

Hazard Rating:

	Health	Fire	Reactivity
HMIS	1	0	0

The information provided in this MSDS is correct to the best of our knowledge, information, and belief at the date of publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not considered a warranty or quality specification. The information relates only to the specific materials designated and may not be valid for such materials used in combination or with other materials or in any process, unless specified in the text.

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