



1- IDENTIFICATION OF SUBSTANCE AND COMPANY

Plasticoat 101: Aqua's waterproofing material

Product Code: Plasticoat 101

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

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2- COMPOSITION / INFORMATION ON INGREDIENTS

	<u>CAS No.</u>
• Acrylic copolymers	Not hazardous
• Formaldehyde	50-00-0
• Additives	-
• Water	7732-18-5

3- HAZARDS IDENTIFICATION

Primary Routes of Exposure: 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.



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	Liquid
Color	Milky White
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
Evaporation rate	Water, < 1
Density	1.02 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.



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- TOXICOLOGICAL 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, partially non-irritating.

Eye irritation: Rabbit, inconsequential irritation.

12- ECOLOGICAL INFORMATION

Inherent biodegradability (OECD 302B): This product is not biodegradable but readily bioliminal (non-inhibiting).

ENVIRONMENTAL TOXICITY:

- Algae (Selenstrum Capricornutum, 72 hrs EC50: > 100 ppm)
- Daphnia Magna, 48 hrs EC50: > 100 ppm
- Rainbow Trout (Oncorhynchus mykiss, 96 hrs LC50: > 100 ppm)
- Microtox, 15 min. EC50: > 300 ppm

13- DISPOSAL CONSIDERATION

Environmental precautions:

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

Procedure:

Coagulate the emulsion by the stepwise addition of ferric chloride and time. Remove the clear supernatant and flush to a chemical sewer. Landfills or incinerate remaining solids in accordance with country 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.



Limix answer of Insulating problems

15- REGULATORY INFORMATION

This product satisfies all the requirement of European inventory existing chemical substances (EINECS).

16- OTHER INFORMATION

Indication of Danger:

This product is not hazardous according to EEC directives 67/548/EEC and 88/379/EEC.

ABBREVIATIONS:

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

TWA: Time Weighted Average

STEL: Short Time Exposure Limit

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