

MATERIAL SAFETY DATA SHEET
HIGH-RANGE WATER REDUCER

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF

THE
COMPANY/ UNDERTAKING

Product Name: HIGH-RANGE WATER REDUCER

MSDS Date: 04/05/2012

Chemical Family Name: Carboxylated Polyether

Product Use: Concrete Additive

Chemical Formula: Mixture-NA

CAS# (Chemical Abstracts Service Number): Mixture-NA

2.COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS#	Percent(Max)
Polyethylene glycol monomethyl ether	9004-74-4	60%
Methacrylic acid	79-41-4	40%

3.HAZARDS IDENTIFICATION

Emergency Overview:

Caution!

Causes eye irritation.

Causes skin irritation.

Harmful if ingested.

Potential Health Effects:

Inhalation: Acute inhalation not expected to result in adverse effects.

Prolonged inhalation may cause respiratory tract irritation. Effects

include: No other effects expected unless listed below. **Eye**

Contact: Eye contact causes irritation.

Skin Contact: Skin contact causes irritation.

Prolonged skin contact can result in irritation causing redness and itching. **Skin**

Absorption: Not expected to be harmful if absorbed through the skin.

Ingestion: Harmful if ingested.

Effects include: Nausea, pain, vomiting, diarrhea and digestive tract irritation.

4. FIRST-AID MEASURES

Skin Contact:

Wash with soap and water.

If discomfort or irritation persists, consult a physician.

Remove contaminated clothing and wash before reuse.

Eye Contact:

Flush eyes with water for at least 15 minutes while holding eyelids open. If discomfort or irritation persists, consult a physician.

Ingestion:

Rinse mouth with water. Give the person one or two glasses of water and then consult physician.

In extreme emergency, induce the victim to vomiting under professional supervisions.

Inhalation:

No hazard in normal industrial use.

If symptoms develop, get fresh air, and if symptoms persist, consult a physician. If

breathing has stopped, give artificial respiration then oxygen if needed.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: In case of fire, use water spray, dry chemical, carbon dioxide or foam.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and complete personal protective equipment when potential for exposure to vapors or products of combustion exist. Water may be used to cool containers to prevent pressure build-up and possible auto-ignition or explosion. Avoid breathing hazardous vapors or products of combustion, keep upwind. Isolate area and keep unnecessary people away. Prevent run-off from fire control or dilution from entering streams or drinking water supplies.

No special procedures specific to this product.

Unusual Fire and Explosion Hazards: None unless noted below.

6. ACCIDENTAL RELEASE MEASURES

Spills/Leaks: Use proper personal protective equipment. Do not flush to sewer or allow entering waterways. Keep unnecessary people away.

Contain and/or absorb spill with inert material (i.e. sand, vermiculite) then place in a suitable container. For large spills, dike area and pump waste material into closed containers for disposal or reclamation.

7. HANDLING AND STORAGE

Precautionary Measures:

Avoid contact with eyes, skin and clothing.

Do not take internally.

Practice good personal hygiene to avoid ingestion.

Use only with adequate ventilation.

Wash clothing before reuse.

FOR PROFESSIONAL USE ONLY. KEEP OUT OF CHILDREN'S REACH.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: Ventilation must be adequacy.

Personal Protective Equipment:

Common rules: Do not eat, drink and smoke at working place. Avoid long-time contact with the substance and breathe the dust of the substance. Change the contaminated clothing and wash it.

Respiratory Protection: Necessary

Skin Protection: Rubber or other impervious gloves should be worn to prevent skin contact. **Eye**

Protection: At minimum, safety glasses with side shields should be worn where exposure to excessive dust or spray is likely.

Work/Hygienic Practices: Use good personal hygiene practices.

None beyond those noted above.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White Powder

Characteristics: Non-toxic, Non-taste, Non-flammable

Water Content (Powder) (%): ≤5

Density (g/cm³): 400-700kg/m³ **pH**

Value(20°C) (20% Liquid): 6~8

Cl Content (%): 0.02±0.005 **Alkaline Content (%):** ≤0.5

10. STABILITY AND REACTIVITY

Storage: Keep away from the heat, direct sunlight and fire.

Conditions To Avoid: Strong oxidant.

Hazardous Decomposition Products: This substance will not decompose hazardously.

11. TOXICOLOGICAL INFORMATION

Not belong to toxic substances.

Corrosive and Irritation Properties:

Not belong to corrosives, may cause skin/eye irritation.

Allergenic and Sensitive Effects:

No relevant information found

Acute and Chronic Toxicity:

No relevant information found

Effects on the Reproductive System:

No relevant information found

Teratogenic Effects:

No relevant information found

12. ECOLOGICAL INFORMATION

Not belong to radioactive material.

Environmental Fate and Ecotoxicity: No data available for product

13. DISPOSAL CONSIDERATIONS

Burn in a chemical incinerator equipped with an afterburner and scrubber. Before discarding it, consult with the local specialist of water treatment.

14. TRANSPORT INFORMATIONS

Hazards Identification: None

Suggestion According to IATA DGR: The goods is not subject to IATA DGR

Packaging Requirements: The goods are packaged according to the packaging requirements of ordinary goods.

15. REGULATORY INFORMATION

Not regulated.

16. OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, we does not assume any liability whatsoever for any of its completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that there are the only hazards which exist.