



Lakeland Chemical LLC

Take Control Of Your Resources

Lakeland BE Material Safety Data Sheet

Date : December 14, 2010

Proper shipping name: Polycarboxylate in aqueous solution
UN Number: Not regulated
Hazard Class: NA
Packing: NA

HMIS Information

Health: 1
Flammability: 0
Reactivity: 0
PPE: B

Emergency contact: 216-533-9725

1.) Identification of product and company

Trade name: Lakeland BE

Recommended use: See Lakeland BE technical data sheet

Supplier:

- Name: Lakeland Chemical LLC
- Address: 3745 Overlook Drive, Port Clinton, OH 43452
- Telephone: 419-797-4897
- Fax: 419-797-2070

Emergency call:

- Name: Lakeland Chemical LLC
- Telephone: 419-797-4897 or 216-533-9725

2.) Composition

Chemical name: Polycarboxylate in water solution

Hazardous components: None

3.) Hazards identification

Adverse health effects: Slight irritant for eye and skin

Lakeland Chemical LLC
3745 Overlook Drive
Port Clinton OH 43452
Tel: 419-797-4897 or Direct: 330-289-7081
Fax: 419-797-2070
Contact: www.lakelandchemical.com

Physical and chemical hazards: Does not show any specific hazard of fire or explosion

Hazard classification: No particular hazard according to EC criterions

4.) First-aid measures

Inhalation: Not specifically concerned. (Waterbased solution)

Skin contact: Wash immediately with water

Eye contact: Flush immediately with water. If irritation persists, consult physician.

Ingestion: Consult physician.

5.) Fire-fighting measures

Appropriate extinguishing media: Water / foam / powder / carbon dioxide

Specific hazards: Water dispersion. Does not show risk in case of fire.

Specific intervention methods: Appropriate protective equipment must be worn in case of fire.

6.) Accidental release measures

Individual precautions: Waterproof protective gloves, protective glasses, waterproof protective clothes.

Precautions to protect environment: Do not reject to sewer or into environment.

Cleaning methods:

- Recovery: Vacuum bulk liquid, or absorb it with inert sorbent.
- Decontamination: Wash remaining material with water.
- Elimination: Dispose in accordance with local, state, and federal guidelines.

7.) Handling and storage

Handling:

- Technical measures: Does not require specific technical measure.
- Safety procedure: Respect general health and safety rules.

Storage:

- Storage conditions: Stable in normal conditions.
- Incompatible materials: None.
- Packaging: Coated steel, stainless steel, polyethylene plastic materials. Prohibited packaging includes steel, aluminium and its alloys.

8.) Exposure controls / personal protection

Technical measures: Does not necessitated specific measure, provided general health

Lakeland Chemical LLC
3745 Overlook Drive
Port Clinton OH 43452
Tel: 419-797-4897 or Direct: 330-289-7081
Fax: 419-797-2070
Contact: www.lakelandchemical.com

and safety procedures are followed.

Individual protection equipment: Safety glasses for eyes. Appropriate clothes and gloves for hand and skin protection.

9.) Physical and chemical properties

Physical state: Liquid
Color: Clear to amber
Odor: Slight
pH: 7.5
Flash point: > 100 degrees C (closed cup)
Boiling point: 100 degrees C
Vapor pressure: 18 mm Hg at 20 degrees C
Crystallization point: 0 degrees C
Density: 1.09 g/cm³
Solubility:
-In water: Soluable
-In solvents: Very slight
Volatile part by weight: 60%

10.) Stability and reactivity

Stability: Stable
Dangerous reactions:
-Materials to avoid: No dangerous reaction known in the normal use.
-Hazardous decomposition products: None

11.) Toxicological information

Acute toxicity: DL50 (oral way, rat) >2000 mg/kg
Local effects: Slightly irritant by ocular application on rabbit. Slightly irritant by cutaneous application on rabbit.

12.) Ecological information

Mobility:
-Target medium of material: Water
Lakeland Chemical LLC
3745 Overlook Drive
Port Clinton OH 43452
Tel: 419-797-4897 or Direct: 330-289-7081
Fax: 419-797-2070
Contact: www.lakelandchemical.com

Degradability: Poorly biodegradable

Ecotoxicity:

- Impact on aquatic environment: CL50 (fish : brachydanio rerio) 96h>100mg/l
- CE50 (Daphnia : daphnia magna) 48h>100mg/l
- CI50 (Algae) : 72 hours>100 mg/l

13.) Disposal considerations

Product residues:

- Prohibition: Do not reject to sewer.
- Elimination: Dispose in accordance with local, state, and federal guidelines.

Spoiled packaging:

- Washing: Empty packaging, then clean it with water before disposal.
- Elimination: Dispose in accordance with local, state, and federal guidelines.

14.) Transportation information

Ground transportation: Not regulated

Sea freight: Not regulated

Air freight: Not regulated

15.) Regulatory information

Labeling according to CE directives:

- Product ID: Nil.
- Hazard ID and symbol: Nil.
- Hazard nature: Nil.
- Safety advise: Nil.

16.) Other information

MSDS written in accordance to 2001/58/EC Directive guidelines

The data in this Material Safety Data Sheet relates only to the specific material herein and does not relate to use in combination with any other material. The information set forth herein is based on technical data that Lakeland Chemical LLC believes to be reliable. We make no warranties, express or implied, and assume no liability in connection with any use of this information.

Lakeland Chemical LLC
3745 Overlook Drive
Port Clinton OH 43452
Tel: 419-797-4897 or Direct: 330-289-7081
Fax: 419-797-2070
Contact: www.lakelandchemical.com