

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

BARRICADE FIRE BLOCKING GEL
Barricade International Inc.
18425 S.E. Federal Highway, Jupiter, Fl. 33469
Tel: (561) 575-6055 Fax: (561) 744-1020

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation : Anionic water soluble polymer

Hazardous characteristics (irritation) were observed only in the product when tested as a whole, not in individual components

3. HAZARDS IDENTIFICATION

Irritating to eyes and skin.

Spills produce extremely slippery surfaces.

4. FIRST AID MEASURES

Inhalation: Move to fresh air.

Skin contact: Wash off immediately with soap and plenty of water. In case of persistent skin irritation, consult a physician.

Eye contact: Rinse thoroughly with plenty of water, also under the eyelids. In case of persistent eye irritation, consult a physician.

Ingestion: The product is not considered toxic based on studies on laboratory animals.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : water, water spray, foam, dry powder, carbon dioxide (CO₂)

Special fire-fighting precautions : Spills produce extremely slippery surfaces.

Protective equipment for firefighters: No special protective equipment required

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : No special precautions required

Environmental precautions: Do not contaminate water

Methods for cleaning up: Do not flush with water. Dam up. Soak up with inert absorbent material. If liquid has been spilled in large quantities clean up promptly by scoop or vacuum. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. When preparing the working solution ensure there is adequate ventilation. When using, do not smoke.

Storage: Keep in a dry, cool place (0- 30°C). When preparing the working solution ensure there is adequate ventilation. Freezing will affect the physical condition and may damage the material.

8. EXPOSURE CONTROLS /PERSONAL PROTECTION

Engineering controls: Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists.

Personal protection equipment

- **Respiratory protection:** In case of insufficient ventilation wear suitable respiratory equipment.

- **Hand protection :** Rubber gloves

- **Eye protection:** Safety glasses with side-shields. Do not wear contact lenses

- **Skin protection :** Chemical resistant apron or protective suit if splashing or contact with solution is likely.

- **Hygiene measures:** Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : viscous liquid

Color: milky

Odor: aliphatic

pH: 6-8 @ 5g/l for product series.

Melting point (°C) : Not applicable.

Flash point (°C) : > 100°

Autoignition temperature (°C) : >200°C

Vapour pressure (mm Hg) : 0.002 @ 20°C

Bulk Viscosity : 1500 cps maximum

UL Viscosity: 1-2 cps

Density (weight): 8.78 pounds per gallon

Specific Gravity : 1.054

10. STABILITY AND REACTIVITY

Stability : Product is stable, No hazardous polymerization will occur.

Materials to avoid: Oxidizing agents may cause exothermic reactions.

Hazardous decomposition products : Thermal decomposition may produce: carbon oxides, nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral: LD50/oral/rat > 5000 mg/kg

Dermal: The product is not expected to be toxic in contact with the skin.

Inhalation : The product is not expected to be toxic by inhalation.

Irritation

Skin : Irritating to skin.

Eyes: Irritating to eyes.

Sensitization : The product is not expected to be sensitizing.

Chronic toxicity: Prolonged skin contact may defat the skin and produce dermatitis.

12. ECOLOGICAL INFORMATION

Fish LC50/Fathead minnows/96h > 1000 mg/l

Algae EC50/72h/Phaeodactylum tricornutum > 1000 mg/l

Daphnia: LC50/48h/Chaetogrammus marinus = 15 mg/l

Bioaccumulation : The product is not expected to bioaccumulate.

Persistence / degradability : Biodegradable in sunlight (40% after 28 days)

BOD: 2700 mg/l

COD: 2265 mg/l

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: In accordance with federal, state and local regulations

Contaminated packaging : Rinse empty containers with water .Can be landfilled or incinerated, when in compliance with local regulations

14. TRANSPORT INFORMATION

Not regulated by DOT

15. REGULATORY INFORMATION

All components of this product are on the TSCA and DSL inventories.

RCRA Status- not a hazardous waste

Hazardous waste number- not applicable

Reportable Quantity (40 CFR 302)- not applicable

Threshold Planning Quantity (40 CFR 335)- not applicable

HMIS and NFPA Ratings- Health (1), Flammability (1), Reactivity (0)

16. OTHER INFORMATION

Person to contact: Regulatory Affairs Manager

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