

# Bentotak DS - Kingfield Construction Products

## MATERIAL SAFETY DATA SHEET (MSDS)

### I. COMPANY AND PRODUCT INFORMATION

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**Product Name** Bentotak DS  
**Manufacturer** Kingfield Construction Products, Inc.  
**Address** 530 North 3rd Street, Suite #230  
Minneapolis, Minnesota 55401 USA  
**Contact** +1 (612) 225-5167  
**Number E-Mail** info@kingfieldcp.com  
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### II. COMPOSITION/INFORMATION ON INGREDIENTS

**CHEMICAL NAME** : Bentonite Polymer-modified bitumen

<b>Main Components</b> : Bentonite	CAS No.1302-78-9	<b>Wt%</b> 40~70%
	: Polymer-modified bitumen	<b>Wt%</b> 10~30%
	: Mineral oil	<b>Wt%</b> 20~40%

### III. HAZARDS IDENTIFICATION

Harmful if swallowed. Possible risks of irreversible effects.

Harmful if inhaled. Irritation of eyes and skin.

### IV. FIRST ADVICE

**GENERAL ADVICE** : Wash off immediately with soap and plenty water. In the case of respired dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit. Use personal protective equipment.

**INHALATION** : Move victim to fresh air. If breathing is difficult give oxygen. If irritation persists, consult a physician.

**SKIN CONTACT** : Remove contaminated clothes and shoes, rinse skin with plenty of water or shower. Use soap to help assure removal. If irritation persists, consult a physician.

**EYE CONTACT** : Remove any contact lenses at once. Flush eyes well with flooding amounts of running water for at least 15 minutes. Assure adequate flushing by separating the eyelids with sterile fingers. If irritation persists, consult a physician.

**INGESTION** : Rinse mouth, give plenty of water to dilute the substance. Never give anything by mouth to an unconscious person. Consult a physician.

### V. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA** : Carbon dioxide, dry chemical powder, foam, water

**FIRE AND EXPLOSION HAZARDS** : Toxic, irritating dust or smoke may be emitted.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS** : Firemen should wear normal protective equipment (full bunker gear) and positive-pressure self-contained apparatus.

### VI. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS** : Remove ignition sources and ventilate area. In case of insufficient ventilation, wear suitable equipment. Avoid raising dust and avoid contact with skin and eyes.

**ENVIRONMENTAL PRECAUTIONS** : Prevent spills from entering sewers, watercourses or low areas.

**METHODS FOR CLEAN UP** : Do not touch spilled material without suitable protection.

After material is completely picked up, wash the spill site with soap and water and ventilate the area.

Put all wastes in a plastic bag for disposal and seal it tightly. Remove, clean, or dispose of contaminated clothing.

### VII. HANDLING AND STORAGE

**HANDLING** : Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.

Handle material with suitable protection.

**STORAGE** : Store away from sunlight in well-ventilated dry place at room temperature. Keep container tightly closed.

**VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING MEASURES** : Use exhaust ventilation to keep airborne concentrations below exposure limits.

Use only with adequate ventilation.

**VENTILATION** : Local Exhaust ; Necessary, Mechanical(General) ; Recommended  
**CONTROL PARAMETER** :

**OSHA Final Limits** ; None established ACGIH TLV(s) ; Mineral oil mist 5mg/m<sup>3</sup>

**ALLOWABLE CONCENTRATION** ; Mineral oil mist 3mg/m<sup>3</sup>

**PERSONAL PROTECTION** :

Respiratory protection; NIOSH/MSHA approved respirator

Hand protection; Chemical resistant gloves

Eye protection; Safety glass (goggles)

Skin protection; Protective clothing

**IX. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE** : Gray~black paste

**Odor** : Odor of oil

**pH** : 7.7

**SPECIFIC GRAVITY** : 1.4±0.1

**BOILING POINT** : Not available

**MELTING POINT** : Not available

**FLASH POINT** : Not available

**FLAMMABILITY** (solid, gas) : Not available **DECOMPOSITION**

**TEMPERATURE** : Not available **EXPLOSIVE LIMITS** : Not available

**VAPOR PRESSURE** : Not available

**SOLUBILITY IN** : WATER ; Insoluble ALCOHOL ; Not available

**X. STABILITY AND REACTIVITY**

**CONDITION TO AVOID** : Sunlight, heat

**HAZARDOUS DECOMPOSITION PRODUCTS** : Carbon monoxide, nitrogen oxides, sulfur oxides and Hydrogen chloride may be formed.

**HAZARDOUS POLYMERIZATION** : Will not occur.

**SOLUBILITY IN** : WATER ; Insoluble ALCOHOL ; Not available

**XI. TOXICOLOGICAL AND REACTIVITY**

**ACUTE TOXICITY DATA** : Not available

**IRRITATION DATA (PRIMARY SKIN IRRITABILITY)** : Not available

**MUTATION DATA** : Negativity(Ames Test)

**REPRODUCTIVE EFFECTS DATA** : Not available

**TUMORIGENIC DATA** : Not available

**SOLUBILITY IN** : WATER ; Insoluble ALCOHOL ; Not available

**XII. ECOLOGICAL INFORMATION**

**BIODEGRADABILITY** : Not available

**BIOACCUMULATION POTENTIAL** : Not available

**AQUATIC TOXICITY** : Not available

**OTHER DATA** : Not available

**XIII. DISPOSAL CONSIDERATION**

Consult an industry waste dealer about the disposal of industrial construction products.

Any disposal must be in compliance with country, local, state, and federal laws and regulations (contact country, local or state environmental agency specific rules.)

**XIV. TRANSPORT INFORMATION**

No data

**XV. OTHER INFORMATION**

No specific notes

The above information is believed to be correct to be the best of our knowledge and information but does not purport to be all inclusive and shall be used only as guide.

This product is intended to be used by expert persons having chemical knowledge and skill, at their own discretion and risk and Kingfield Construction Products shall not be held liable for any damage resulting from handling or from contact with the above material.