



MATERIAL SAFETY DATA SHEET

Kontrol™ Modified Sulfonated Asphalt

Date: January 1, 2005

1. Product and Company Identification

Product Name: Kontrol Modified Sulfonated Asphalt
Chemical Name: Mixture
Chemical Family: Sulfonated asphalt
Chemical Formula: Mixture
CAS Reg. No. Mixture

Manufacturer: Flowline Solutions Ltd.
60 Signal Hill Way SW
Calgary, AB T3H 2M2
Phone Numbers: 1-877-336-9685
1-403-685-9685

2. Composition:

Proprietary Ingredients: 100%

3. Hazards Identification:

- Acute Effects: irritating to the respiratory tract if inhaled
- Ingestion: May cause gastric distress, nausea, vomiting, liver damage.
- Eyes: Irritating to the eyes
- Skin: Irritating to the skin upon prolonged contact
- Chronic Effects: IARC not listed; OSHA not listed; NTP not listed.
- Route of entry: inhalation, skin, and eye contact

4. First Aid Measures

- Inhalation: Move exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Get medical attention.

- Ingestion: Induce vomiting if person is conscious. Seek medical attention.
- Skin: Wash skin thoroughly with soap and water. Remove contaminated clothing.
- Eyes: Promptly wash eyes with lots of water. Continue to rinse for 30 minutes. Get medical attention.

5. Fire Fighting

- Material will burn releasing combustion products which may be toxic (SO², CO, CO²)
- Extinguishing media: Water spray, CO², dry chemical, foam
- Special fire fighting procedures: Evacuate all unnecessary personnel. Wear appropriate safety equipment for fire conditions including SCBA.

6. Accidental Release Measures

- Highway or Rail Spill: Contain spill, protect from ignition, Keep out of water sources or sewers. Absorb in a dry, inert material like sand, clay. Contact local authorities for specific disposal site information.

7. Handling & Storage

- Handle only in well ventilated areas. Avoid breathing dust.
- Store in cool dry place, keep away from oxidizing agents, ignition sources.

8. Exposure Controls, Personal Protection

- Ventilation-Local exhaust and ventilation system is recommended if handled in a confined area to control below recommended exposure levels.
- Respiratory Protection- Use NIOSH approved air-purifying respirator.
- Eye Protection-Use safety glasses with side shields
- Skin Protection-Use long-sleeved clothing and gloves

9. Physical and Chemical Properties

- Appearance: black powder
- Partially Soluble in water

- Boiling point n/a
- Melting point n/a
- Vapor Pressure n/a
- Specific gravity 1.25
- Odor, none

10. Stability and Reactivity

- Stability: stable
- Reactivity: avoid excessive heat, ignition sources and strong oxidants
- Hazardous Decomposition: SO²
- Does not polymerize

11. Toxicological Information

- No toxicological information is available on this product

12. Ecological Information

- No ecological information is available

13. Disposal Considerations

- Recover and reuse if possible
- Dispose in permitted waste management facility

14. Transport Information

- Proper Shipping Name: Not regulated by DOT as a hazardous material
- Hazard class: none
- UN Number: none
- Packing Group: none

15. Regulatory Information

- OSHA (29 CFR 1910.1200) This product should be included in a hazard communication program.
- RCRA: If this product becomes a waste, it may be characterized as a hazardous waste as prescribed by RCRA.
- CERCLA : Not subject to reporting
- NFPA Hazard Codes: Health: 1, Flammability: 0, Reactivity: 0, Special hazards: 0