



MATERIAL SAFETY DATA SHEET

Acitech plus

IDENTIFICATION OF THE SUPPLIER:

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PRODUCT IDENTIFICATION:

Common Name: Polyalkyleneoxide modified heptamethyltrisiloxane
Trade Name: Acitech plus
Uses category: Surfactant

PRODUCT COMPOSITION:

Name	CAS No.	%
Polyalkyleneoxide modified heptamethyltrisiloxane	27306-78-1	99.5
Polyethyleneglycol monoallyl monomethyl ether	27252-80-8	0.5

HAZARDS IDENTIFICATION:

Signal Word: Warning

Skin Irritation: No irritation on 5 of 6 at 7 days; desquamation on 1/6 at 14 days.

Eye Irritation: 21 days-minor corneal injury in 1 of 6; minor conjunctival redness in 2 of 6.

Acute Toxicity Oral: LD50 (rat) 2,330 mg/kg (combined male/female rate)





Acute Toxicity Dermal: LD50 (rabbit) 2,640 mg/kg (combined male/female rate)

Hazard Categories:

Oral/Dermal/Inhalation Toxicity - 5/5/5; Eye Irritation - 2A; Skin Irritation 3

Hazard Statement:

May be harmful if swallowed

May be harmful in contact with skin

Causes serious eye irritation

Causes mild skin irritation

May be harmful if inhaled

FIRST-AID MEASURES:

Eye : Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.

Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation : Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison center or doctor for further treatment advice.

Ingestion : Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth if unconscious.

Indication of Immediate Medical Attention and Special Treatment Needed: Treat symptomatically



FIRE-FIGHTING MEASURES: -

Extinguishing Media: Use alcohol-type or universal-type foam for large fires. Use carbon dioxide or dry chemical extinguishing agents for small fires.

Specific Hazards Arising from the Chemical: Do not spray a solid stream of water or foam directly into a pool of hot, burning liquid. This may cause frothing and increase fire intensity.

Special Fire Fight Proc: Wear self-contained breathing apparatus and full protective clothing.

ACCIDENTAL RELEASE MEASURE:

Personal Precautions: Keep unprotected and unnecessary personnel out of spill area.

Protective Equipment: Splashproof goggles or faceshield, impervious gloves, impervious apron and footwear. Eyewash and emergency shower should be available in work area.

Respiratory protection not normally needed.

Emergency Procedures: Spill area will be quite slippery. Dike spill area to prevent spreading. Spill may be reportable under the Clean Water Act.

Methods and Materials for Containment and Cleanup

: Use an oil absorbent material, such as clay, sand or sawdust. Collect and place in suitable containers for proper disposal.

PERSONAL PROTECTION/SAFTETY:

TLV/PEL : Not available for mixture

Appropriate Engineering Controls : General (mechanical) room ventilation is expected to be satisfactory.

Personal Protective Equipment: Splashproof goggles or faceshield, impervious gloves, impervious apron and footwear. Eyewash and emergency shower should be available in work area.

Respiratory protection not normally needed.



HANDLING AND STORAGE:

Precautions for Safe Handling: Keep out of reach of children. Keep container tightly closed. Do not allow water to be introduced into the contents of this container.

Conditions for Safe Storage: Store in original container only. Do not store near heat or open flame. Do not store with oxidizing agents.

STABILITY AND REACTIVITY:

Reactivity: No information found

Chemical Stability: Stable

Hazardous Decomposition

Products: Burning can produce carbon oxides, oxides of silicon, formaldehyde.

Hazardous Polymerization: Will not occur

Conditions to Avoid: None known

Incompatible Materials: None known

TOXICOLOGICAL INFORMATION:

Acute Toxicity (Oral LD50) : 2,330 mg/kg (rat) combined male/female rate. May be harmful if swallowed.

Acute Toxicity (Dermal LD50): 2,640 mg/kg combined male/female rate. May be harmful in contact with skin.

Acute Toxicity Inhalation LC50: Substantially saturated vapor: no deaths in 6 hours, 5 male, 5 female. May be harmful if inhaled.

Likely Routes of Exposure: Eyes, skin, inhalation

Skin Irritation: No irritation on 5 of 6 at 7 days; desquamation on 1/6 at 14 days. Causes mild skin irritation.

Eye Irritation: 21 days-minor corneal injury in 1 of 6; minor conjunctival redness in 2 of 6. Causes serious eye irritation.

Skin Sensitization: Did not cause sensitization on laboratory animals (guinea pig).

Carcinogenic: Not listed by IARC, NTP or OSHA.

Chronic Effects: No information found



Other Hazards: Findings from a 14-day dietary feeding study with rats show that high dosage repeated ingestion causes reversible adverse effects on the male and female reproductive tracts.

ECOLOGICAL INFORMATION: -

Ecotoxicity: No information found

Persistence and Degradability: No information found

Bioaccumulative Potential: No information found

Mobility in Soil: No information found

Other Adverse Effects: None currently known

DISPOSAL CONSIDERATIONS:

Waste Disposal Method : This material must be disposed of according to Federal, State or Local procedure under the Resource Conservation and Recovery Act.

