

Section 1: Product & Company Information

Product Name: Zetag 7557
Chemical Family: Co-polymer of a quaternary acrylate salt and acrylamide
Product Use: Drilling Mud Additive

Workplace Hazardous Materials Information Systems Data (WHMIS):

	Class ID	Class	Workplace Hazard
	D-2-B	Materials Causing Other Toxic Effects - Toxic	Skin and eye irritant

Manufacturer Name: HiTech Fluid Systems
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General Phone Number: (403)547-2906
General Fax Number: (403)547-3129
MSDS Revision Date: June 1, 2008
Supercedes: June 23, 2005
Prepared By: HiTech Fluid Systems
Preparer's Phone: (403)547-2906

Section 2: Composition/Information on Ingredients

Chemical Name	Concentration	CAS#
Hexanedioic Acid	3 - 7%	124-04-9

Section 3: Hazards Identification

Emergency Overview: Not Applicable

Routes of Entry:

Skin Contact: Yes
Skin Absorption: No
Eye Contact: Yes
Inhalation: Yes
Ingestion: No

Potential Health Effects:

Skin:	Prolonged exposure may cause irritation.
Eye:	May cause slight irritation and/or redness.
Inhalation:	May cause some respiratory irritation.
Ingestion:	

Section 4: First Aid Measures

Eye Contact:	Flush eyes with water for at least 15 minutes. If adverse symptoms develop, seek medical attention.
Skin Contact:	Wash with soap and water. If adverse symptoms develop, seek medical attention.
Inhalation:	Remove patient to fresh air. If breathing has stopped, administer artificial respiration. If breathing is difficult, administer oxygen. Seek medical attention.
Ingestion:	DO NOT induce vomiting. If vomiting occurs naturally, have patient lean forward to prevent aspiration. Seek medical attention. Do not give anything by mouth to an unconscious or convulsing person.
Other First Aid:	Not Applicable

Section 5: Fire Fighting Measures

Conditions Of Flammability:	May burn with surrounding fire.
Extinguishing Media:	Dry chemical, CO ₂ , foam, in preference to water
Flashpoint:	Not Available
Upper Flammable Limit:	Not Available
Lower Flammable Limit:	Not Available
Autoignition Temperature:	Not Available
Protective Equipment:	Firefighters must wear appropriate breathing apparatus and clothing.
Sensitivity To Impact or Static Discharge:	Product can form an explosive dust/air mixture.
Hazardous Combustion Products:	CO _x , NO _x , various hydrocarbons, ammonia and/or hydrogen chloride vapour
Fire Comment:	

Section 6: Accidental Release Measures

- Personnel Precautions:** Use proper personal protective equipment as listed in section 8.
- Spill Cleanup Measures:** Use appropriate safety equipment. Small spills, sweep up and put into approved DOT containers for disposal or reuse. Large spills, do not allow to enter waterways, sweep or shovel into approved DOT containers for re-use or disposal.

Section 7: Handling & Storage

- Handling:** WARNING! Dust created when handling this product can create an explosive air/dust mixture. Avoid all sources of ignition.
Practice reasonable caution and personal cleanliness. Avoid skin and eye contact and ingestion.
- Storage:** Store in a cool, dry, well ventilated place. Keep container tightly closed and away from incompatible materials. Avoid sources of ignition.

Section 8: Exposure Controls, Personal Protection, Exposure Guidelines

- Engineering Controls:** Provide mechanical ventilation to prevent dust concentrations, and to reduce potential exposure.
- Personal Protective Equipment:** Chemical-resistant clothing is recommended, including gloves, apron, and goggles.
- Respiratory Protection:** Recommend NIOSH-approved dust respirator.
- Exposure Limits:** Acute oral LD₅₀ (rat) is expected to be >2000 mg/kg. ACGH is 10 mg/m³, and OSHA PEL = 10 mg/m³ for inhalable dust

Chemical Name	ACGIH TLV-TWA	OSHA PEL-TWA
Hexanedioic Acid	5 mg/kg	

Section 9: Physical & Chemical Properties

- Physical State:** Solid
- Odour And Appearance:** White, granular powder; no significant odour
- Odour Threshold:** Not Available
- Boiling Point:** Not Applicable
- Evaporation Rate:** Not Applicable
- Melting Point:** Not Available
- Freezing Point:** Not Applicable

Specific Gravity:	0.75
Solubility in Water:	Soluble, solubility limited by viscosity.
Vapour Density:	Not Applicable
Vapour Pressure:	Not Applicable
pH:	3.8 (1% solution)
Flash Point:	Not Available
Volatility (% by volume):	Not Applicable
Coefficient of Water to Oil distribution:	Not Applicable

Section 10: Stability & Reactivity

Chemical Stability:	Yes
Hazardous Polymerization:	Will not occur.
Conditions Of Chemical Instability:	Avoid static discharges and sources of ignition.
Incompatible Substances:	Avoid strong oxidants, such as liquid chlorine, enriched gaseous or liquid oxygen, and sodium or calcium hypochlorite.
Special Decomposition Products:	See Section 4.

Section 11: Toxicological Information

Chemical Name	LD ₅₀ (Oral Rat)	LD ₅₀ (Dermal Rabbit)	LC ₅₀ (Inhalation Rat)
Hexanedioic Acid			

Effects Of Acute Exposure:	Not known.
Effects Of Chronic Exposure:	Adipic acid; Male and female rats exposed to adipic acid in the form of aerosol dust (126 ug/L) for 6 hours a day for 15 days showed no signs of toxicity.
General Irritancy Of Product:	Mild
Sensitization:	Not a known sensitizer.
Carcinogenicity:	Not considered to be a carcinogen by IARC, NTP, and OSHA.
Reproductive Toxicity:	None known.
Teratogenicity:	Not a known teratogen.
Embryotoxicity:	Not Available
Mutagenicity:	Not a known mutagen.
Synergistic Products:	None known.

Section 12: Ecological Information

Ecotoxicity: Not Available

Environmental Fate: Not Available

Section 13: Disposal Considerations

Waste Disposal: All waste should be disposed of according to federal, provincial and local regulations. Containers should NOT be re-used. Containers should be disposed of in accordance with government regulations.

Section 14: Transport Information


TDG Classification: Not regulated.

DOT UN Number: Not Applicable

Shipping Notes: No special requirements

Section 15: Regulatory Information

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	D-2-B	Materials Causing Other Toxic Effects - Toxic	Skin and eye irritant

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Section 16: Additional Information

MSDS Revision Date: June 1, 2008

MSDS Revision Notes:

MSDS Author: HiTech Fluid Systems

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