

SECTION 1 - Product Identification & Use

COMMON NAME:	Adtek 200	MANUFACTURER:	DISTRIBUTOR:
MATERIAL IDENTIFIER:	0934	Sci-Tech Inc.	
APPLICATION:	Asphaltene Dispersant	#340 53016 Hwy 60	
WHMIS CLASSIFICATION:	D.2A, B.3	Acheson, AB T7X 5A7	
EMERGENCY CONTACT:	CANUTEC	(780) 960-1200	
EMERGENCY PHONE:	(613) 996-6666		

SECTION 2 - Hazardous Ingredients

HAZARDOUS INGREDIENTS	%	CAS/UN #	LD(50) OF INGREDIENT	LC(50) OF INGREDIENT
Heavy aromatic naphtha solvent	60 - 100	64742-94-5	Rat (Oral) 100 mg/kg	n.av.
Nonylphenol polyethoxylate	5 - 10	9016-45-9	Rat (Oral) 2780 mg/kg	n.av.
Ethylene glycol monobutyl ether	1 - 5	111-76-2	Rabbit (Oral) 370 mg/kg	Rat 450 ppm 4h

SECTION 3 - Physical Data

PHYSICAL STATE:	ODOUR AND APPEARANCE:	SOLUBILITY IN WATER:	ODOUR THRESHOLD:
Liquid	Kerosene; Colourless	0%	n.av.
SPECIFIC GRAVITY:	VAPOUR DENSITY (air=1):	VAPOUR PRESSURE:	% VOLATILE BY VOLUME:
0.9 ± 0.02	0.012	1.2 mm Hg	n.av.
BOILING POINT:	MELTING POINT:	pH:	OCTANE-WATER COEFF:
n.av.	n.av.	n.av.	n.av.

OTHER PERTINENT INFORMATION:

This product forms a stable emulsion when mixed with aqueous solution.

SECTION 4 - Fire & Explosion Data

FLAMMABILITY:	FLASHPOINT (°C):	57.0
May ignite due to static spark, open flames, or other ignition sources.	AUTOIGNITION TEMPERATURE (°C):	510
MEANS OF EXTINCTION:	LOWER FLAMMABLE LIMIT (% BY VOLUME):	n.av.
Use dry chemicals, carbon dioxide, alcohol foam, or water spray.	UPPER FLAMMABLE LIMIT (% BY VOLUME):	n.av.
SPECIAL PROCEDURES:	EXPLOSION SENSITIVITY TO IMPACT:	n.av.
Firefighter's normal protective clothing (Bunker Gear) will not provide adequate protection. Chemical resistant clothing (splash suit) and a positive pressure SCBA may be necessary.	SENSITIVITY TO STATIC DISCHARGE:	Moderate
HAZARDOUS COMBUSTION PRODUCTS:		
May liberate oxides of carbon		

SECTION 5 - Reactivity Data

CHEMICAL STABILITY:
Stable under normal conditions.
INCOMPATIBLE MATERIALS:
Incompatible with acids, bases, and strong oxidizing materials.
HAZARDOUS DECOMPOSITION:
May thermally decompose to produce carbon monoxide and carbon dioxide.

SECTION 6 - Toxicological Properties**INHALATION:**

Vapours or mists may result in intoxication, drowsiness, stupor, narcosis and death.

EYE CONTACT:

May cause severe irritation to eyes, visual impairment, or complete blindness

SKIN CONTACT:

May cause mild to moderate irritation, especially under prolonged or repeated exposure.

INGESTION:

May cause burning in mouth and esophagus, as well as gastrointestinal irritation and nausea resulting in fatality.

SECTION 7 - Preventative Measures

GLOVES: Impermeable gloves required.

FOOTWEAR: Rubber boots required.

RESPIRATOR: NIOSH approved

CLOTHING: Impermeable coveralls required.

EYEWEAR: Chemical goggles or face shield required.

OTHER: Eye-wash station required.

ENGINEERING CONTROL:

For use only in well ventilated areas that meet TLV requirements.

LEAK AND SPILL PROCEDURE:

Eliminate ignition sources. Contain and collect for recycling. Use non-combustible sorbent. Collect liquid with explosion proof pumps. Prevent from entering sewers, drains, and waterways.

WASTE DISPOSAL:

Incineration is the recommended disposal method. Biodegradation may be used for aqueous methanol solutions. Disposal must meet all federal, provincial, and local regulations.

HANDLING PROCEDURES AND EQUIPMENT:

Use explosion-proof electrical equipment when transferring. Ensure proper electrical grounding procedures are in place.

STORAGE REQUIREMENTS:

Store in totally enclosed equipment. Avoid storage with incompatible materials. No smoking or open flames in storage. Protect from damage.

TDG CLASSIFICATION:

Not TDG Regulated.

SECTION 8 - First Aid Procedures**INHALATION:**

Remove victim to fresh air. If breathing is difficult, oxygen may be beneficial if administered by trained personnel. Immediately transport victim to an emergency care facility.

EYE CONTACT:

In case of contact with eyes, flush eyes with plenty of water for at least 15 minutes while holding eye lids open. If irritation persists, seek medical attention.

SKIN CONTACT:

In case of contact with skin, remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation persists, seek medical attention.

INGESTION:

Rinse victim's mouth with water. DO NOT INDUCE VOMITING. Have victim drink 300 mL of water to dilute material in stomach. If milk is available, it may be given AFTER the water. Transport victim to an emergency facility.

SECTION 9 - Preparation of MSDS**PREPARED BY:**

SCI-TECH Department of Research and Development

PHONE NUMBER:

(780) 960-1200

CONSTRUCTED:

07/21/2006

RELEASED:

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