

SECTION 1 - Product Identification & Use

COMMON NAME:	Scale Inhibitor (Summer)	MANUFACTURER:	DISTRIBUTOR:
MATERIAL IDENTIFIER:	0940	Sci-Tech Inc.	
APPLICATION:	Scale Inhibition	#340 53016 Hwy 60	
WHMIS CLASSIFICATION:	E	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
Methanol	10 - 30	67-56-1	n.av.	n.av.
Ethylene glycol	7 - 13	107-21-1	Rat (Oral) 1300 mg/kg	n.av.
Phosphoric acid	0.5 - 1.5	7664-38-2	n.av.	n.av.

SECTION 3 - Physical Data

PHYSICAL STATE:	ODOUR AND APPEARANCE:	SOLUBILITY IN WATER:	ODOUR THRESHOLD:
Liquid	n.av.; Colourless	100%	n.av.
SPECIFIC GRAVITY:	VAPOUR DENSITY (air=1):	VAPOUR PRESSURE:	% VOLATILE BY VOLUME:
1.07 ± 0.02	n.av.	n.av.	n.av.
BOILING POINT:	MELTING POINT:	pH:	OCTANE-WATER COEFF:
> 100 °C	< 0 °C	3.0 ± 0.5	n.av.

OTHER PERTINENT INFORMATION:

n.av.

SECTION 4 - Fire & Explosion Data

FLAMMABILITY:	FLASHPOINT (°C):	n.av.
This product will not burn or support combustion.	AUTOIGNITION TEMPERATURE (°C):	n.av.
MEANS OF EXTINCTION:	LOWER FLAMMABLE LIMIT (% BY VOLUME):	n.av.
Use media proper for surrounding fire.	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:	n.av.
HAZARDOUS COMBUSTION PRODUCTS:		
Phosphorus oxides		

SECTION 5 - Reactivity Data

CHEMICAL STABILITY:
Orthophosphoric acid gradually changes to pyrophosphoric acid around 200°C and forms metaphosphoric acid above 300°C.
INCOMPATIBLE MATERIALS:
Incompatible with strong caustics, strong oxidizing agents, reducing agents or organic peroxides, fluorides, halogenated organics, cyanides, sulfides, mercaptans, and nitrides.
HAZARDOUS DECOMPOSITION:
No hazardous decomposition is associated with this product.

SECTION 6 - Toxicological Properties**INHALATION:**

Mist can irritate respiratory tract. If mixed with acids or warmed to temperatures greater than 40°C (104°F), NaOCl solutions release chlorine gas. This gas can greatly heighten severity of irritation.

EYE CONTACT:

Concentrated solutions can cause sever burns and permanent eye damage. Mists may cause eye irritation.

SKIN CONTACT:

The degree of irritation caused by this product depends on the concentration of the solution and the duration of contact.

Concentrated solutions can cause corrosion of tissue or severe burns.

INGESTION:

Ingestion of this product can result in necrosis of the upper and lower digestive tract and the pancreas. May result in internal bleeding.

SECTION 7 - Preventative Measures

GLOVES: Rubber, vinyl, or neoprene gloves required.

FOOTWEAR: Rubber boots required.

RESPIRATOR: NIOSH approved

CLOTHING: Impermeable coveralls required.

EYEWEAR: Chemical goggles or face shield required.

OTHER: Eye-wash station and shower required.

ENGINEERING CONTROL:

Use with adequate general ventilation.

LEAK AND SPILL PROCEDURE:

Contain spill or leak. Do not allow entry into sewers or waterways. Spilled solutions should be contained by diking. Solutions can be carefully diluted with water and neutralized soda ash or sodium bicarbonate.

WASTE DISPOSAL:

Federal, provincial, and local regulations should be reviewed prior to disposal. Disposal by secure landfill may be acceptable.

HANDLING PROCEDURES AND EQUIPMENT:

Due to the toxic and corrosive nature of this product, it is important that adequate PPE and personal hygiene requirements are met.

STORAGE REQUIREMENTS:

Store in a cool, dry, well-ventilated area. Store in suitable, labeled containers (usually the shipping container). Keep containers tightly closed when not in use and when empty. Protect from damage.

TDG CLASSIFICATION:

Corrosive liquids, acidic, inorganic n.o.s. (Phosphoric acid): Class 8, UN3264, PG III

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, continuously flush eyes with plenty of water or neutral saline solution for at least 60 minutes.

Transport to emergency facility.

SKIN CONTACT:

In case of contact with skin, remove contaminated clothing and flush with water for at least 60 minutes. Do not interrupt flushing.

Transport to an emergency facility.

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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