

SECTION 1 - Product Identification & Use

COMMON NAME:	Acid Wash GT	MANUFACTURER:	DISTRIBUTOR:
MATERIAL IDENTIFIER:	0312GT	Sci-Tech Inc.	
APPLICATION:	Cement Cleaner	#340 53016 Hwy 60	
WHMIS CLASSIFICATION:	D.1A, 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
Hydrochloric acid	10 - 30	7647-01-0	Rabbit (Oral) 900 mg/kg	Rat 1562 ppm 4h
Nonylphenol polyethoxylate	1 - 5	9016-45-9	Rat (Oral) 2780 mg/kg	n.av.

SECTION 3 - Physical Data

PHYSICAL STATE:	ODOUR AND APPEARANCE:	SOLUBILITY IN WATER:	ODOUR THRESHOLD:
Liquid	Pungent; Colourless	100%	n.av.
SPECIFIC GRAVITY:	VAPOUR DENSITY (air=1):	VAPOUR PRESSURE:	% VOLATILE BY VOLUME:
1.12 ± 0.02	n.av.	n.av.	n.av.
BOILING POINT:	MELTING POINT:	pH:	OCTANE-WATER COEFF:
n.av.	n.av.	0.5 ± 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.
It is recommended that a NIOSH approved SCBA be used when either in confined areas or exposed to combustion products.	SENSITIVITY TO STATIC DISCHARGE:	n.av.
HAZARDOUS COMBUSTION PRODUCTS:		
(See Hazardous Decomposition)		

SECTION 5 - Reactivity Data

CHEMICAL STABILITY:
Stable under normal conditions.
INCOMPATIBLE MATERIALS:
Incompatible with strong caustics, strong oxidizing agents, reducing agents or organic peroxides, fluorides, halogenated organics, cyanides, sulfides, mercaptans, and nitrides.
HAZARDOUS DECOMPOSITION:
Hydrogen chloride is thermally stable up to temperatures of about 1500°C (2730°F). At higher temperatures, it breaks down to form hydrogen and chlorine.

SECTION 6 - Toxicological Properties**INHALATION:**

Corrosive vapours or mist from concentrated solutions (50-100 ppm) can cause severe nasal irritation, sore throat, choking, coughing, and difficulty breathing.

EYE CONTACT:

This product is extremely corrosive. It can penetrate deeply, causing irritation or severe burns depending on the concentration of the solution and the duration of exposure. In severe cases, ulceration and permanent blindness may occur.

SKIN CONTACT:

Capable of causing severe burns with deep ulceration. Will penetrate to deeper layers of skin, resulting in permanent scarring and possibly death.

INGESTION:

This solution can cause corrosive burns to mouth, throat, esophagus and stomach. Symptoms may include difficulty in swallowing, intense thirst, nausea, vomiting, diarrhea, and in severe cases, fainting or death.

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:

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

LEAK AND SPILL PROCEDURE:

Do not touch spilled material. Prevent material from entering sewers or confined spaces. Stop or reduce leak if safe to do so. Contain spill with earth, sand, or absorbent material, which does not react with spilled material.

WASTE DISPOSAL:

Waste should not be discharged into the sewer or water ways. Dispose of waste in accordance with local, provincial and federal regulations.

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 area above freezing and away from incompatibles. Keep container tightly closed when not in use. Protect from damage.

TDG CLASSIFICATION:

Hydrochloric Acid Solution: Class 8, UN1789, PG II

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:

08/16/2007

RELEASED:

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0312GT - MATERIAL SAFETY DATA SHEET