

K-301 - MATERIAL SAFETY DATA SHEET

SECTION 1 - Product Identification & Use

COMMON NAME:	Protocol K-301	MANUFACTURER:	DISTRIBUTOR:
MATERIAL IDENTIFIER:	K-301	Sci-Tech Inc.	
APPLICATION:	Degreaser / Cleaner	#340 53016 Hwy 60	
WHMIS CLASSIFICATION:	D.2B	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
Alcohol ethoxylate	7 - 13	68991-48-0	Rat (Oral) 2000 mg/kg	n.av.
Sodium nitrilo-triacetate, monohydrate	1 - 5	18662-53-8	Rat (Oral) 1450 mg/kg	n.av.
Sodium metasilicate pentahydrate	1 - 5	10213-79-3	Rat (Oral) 847 mg/kg	Rat 874 ppm 4h

SECTION 3 - Physical Data

PHYSICAL STATE:	ODOUR AND APPEARANCE:	SOLUBILITY IN WATER:	ODOUR THRESHOLD:
Liquid	Odourless; Colourless	100%	n.av.
SPECIFIC GRAVITY:	VAPOUR DENSITY (air=1):	VAPOUR PRESSURE:	% VOLATILE BY VOLUME:
1.03 ± 0.02	n.av.	n.av.	n.av.
BOILING POINT:	MELTING POINT:	pH:	OCTANE-WATER COEFF:
> 100 °C	-10 °C	12.0 ± 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.
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:		
Oxides of carbon and nitrogen		

SECTION 5 - Reactivity Data

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

SECTION 6 - Toxicological Properties**INHALATION:**

May cause mild irritation of the respiratory tract.

EYE CONTACT:

May cause moderate to severe irritation as a concentrate.

SKIN CONTACT:

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

INGESTION:

May cause nausea, abdominal pain, and gastrointestinal irritation if ingested in large quantities

SECTION 7 - Preventative Measures

GLOVES: Rubber gloves to prevent drying of hands.

FOOTWEAR: Specialty footwear not required.

RESPIRATOR: Not required for normal use.

CLOTHING: Specialty clothing not required.

EYEWEAR: Chemical goggles or safety glasses required.

OTHER: Eye-wash station and shower required.

ENGINEERING CONTROL:

Use with adequate general ventilation.

LEAK AND SPILL PROCEDURE:

For large spills, contain and salvage material if possible. For small spills, wash area with water.

WASTE DISPOSAL:

Dilute and flush to sewer. Follow local regulations for discharge of waste effluent.

HANDLING PROCEDURES AND EQUIPMENT:

Do not ingest. Avoid contact with eyes.

STORAGE REQUIREMENTS:

Store in a cool, dry place. Keep containers tightly closed when not in use. Prolonged storage may cause this hygroscopic product to become wet and encrusted due to atmospheric moisture. Protect from damage.

TDG CLASSIFICATION:

Not TDG Regulated.

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

Remove victim to fresh air. Allow rest in a well ventilated area.

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 and flush with plenty of running water. If irritation persists, seek medical attention.

INGESTION:

DO NOT INDUCE VOMITING. Have victim drink large amounts of water or milk to dilute chemical. If victim is not breathing, perform mouth to mouth resuscitation. Seek immediate medical attention.

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

SCI-TECH Department of Research and Development

PHONE NUMBER:

(780) 960-1200

CONSTRUCTED:

07/21/2006

RELEASED:

01/03/2011

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