

SECTION 1 - Product Identification & Use

COMMON NAME:	Breaker 100	MANUFACTURER:	DISTRIBUTOR:
MATERIAL IDENTIFIER:	0971	Sci-Tech Inc.	
APPLICATION:	Oil and Gas	#340 53016 Hwy 60	
WHMIS CLASSIFICATION:	B, D.2A, 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
Toluene	30 - 60	108-88-3	Rat (Oral) 5580 mg/kg	Rat 26700 ppm 1h
Neutralized Sulphonate	7 - 13	n.av.	Rat (Oral) 890 mg/kg	n.av.

SECTION 3 - Physical Data

PHYSICAL STATE:	ODOUR AND APPEARANCE:	SOLUBILITY IN WATER:	ODOUR THRESHOLD:
Liquid	Aromatic; Amber	0%	n.av.
SPECIFIC GRAVITY:	VAPOUR DENSITY (air=1):	VAPOUR PRESSURE:	% VOLATILE BY VOLUME:
0.92 ± 0.02	n.av.	n.av.	n.av.
BOILING POINT:	MELTING POINT:	pH:	OCTANE-WATER COEFF:
> 100	n.av.	7.0 ± 0.5	n.av.

OTHER PERTINENT INFORMATION:

n.av.

SECTION 4 - Fire & Explosion Data

FLAMMABILITY:	FLASHPOINT (°C):	n.av.
Combustible material	AUTOIGNITION TEMPERATURE (°C):	n.av.
MEANS OF EXTINCTION:	LOWER FLAMMABLE LIMIT (% BY VOLUME):	n.av.
Use dry chemicals, carbon dioxide, foam, water fog or fine spray. Do not use direct water stream.	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:		
Carbon dioxide and carbon monoxide		

SECTION 5 - Reactivity Data

CHEMICAL STABILITY:
Stable under normal conditions.
INCOMPATIBLE MATERIALS:
Avoid contact with natural, butyl and neoprene rubbers. Avoid prolonged contact with nitrile rubber or pvc.
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 moderate to severe irritation as a concentrate.

SKIN CONTACT:

Skin absorption of material may produce systemic toxicity.

INGESTION:

May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

SECTION 7 - Preventative Measures

GLOVES: Impermeable gloves required.

FOOTWEAR: Rubber boots required.

RESPIRATOR: NIOSH approved in poorly ventilated areas.

CLOTHING: Impermeable coveralls required.

EYEWEAR: Chemical goggles or face shield required.

OTHER: Eye-wash station and shower required.

ENGINEERING CONTROL:

For use only with adequate ventilation. Maintain airborne concentrations below the exposure guidelines.

LEAK AND SPILL PROCEDURE:

Confine spillage and absorb with sand, sawdust or other available solids. Uncontaminated spilled material may be reused. Retain all contaminated water for removal and treatment. Do not flush to sewer.

WASTE DISPOSAL:

Dispose of in a suitable container according to all local, provincial and federal regulations.

HANDLING PROCEDURES AND EQUIPMENT:

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

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:

Flammable liquid n.o.s. (toluene) Class 8, UN 1993, 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, check for and remove contact lenses. Immediately flush with cold running water for at least 15 minutes. Seek medical attention immediately.

SKIN CONTACT:

Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing and shoes before reuse.

INGESTION:

DO NOT INDUCE VOMITING. If vomiting occurs, lean victim forward to prevent aspiration of the vomitus. Give a cup of water to dilute chemical in stomach. Seek immediate medical attention.

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

SCI-TECH Department of Research and Development

PHONE NUMBER:

(780) 960-1200

CONSTRUCTED:

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RELEASED:

01/03/2011

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