



# MATERIAL SAFETY DATA SHEET

## CAT THREAD LOCK-BREAKAWAY STRENGTH

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME	CAT THREAD LOCK-BREAKAWAY STRENGTH
PART No.	Chemtool, 8427800000, 8428500000, Caterpillar, 4C-4030, 9S-3263
PRODUCT USE	Anaerobic adhesive/sealant
SUPPLIER	Chemtool Incorporated P.O. Box 538 8200 Ridgefield Road Crystal Lake, IL 60039-0538 USA Tel: (815) 459-1250 Fax: (815) 459-1955
EMERGENCY TELEPHONE	Rocky Mountain Poison Center Denver, Colorado (800) 458-5924 U.S. and Canada. (303) 893-1322 Outside U.S.

### 2. COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS No.	WEIGHT
*POLYGLYCOL DIMETHYLACRYLATE	Proprietary	50-70 %

\* This chemical(s) is hazardous according to OSHA/WHIMIS criteria

COMPOSITION COMMENTS	Refer to section eight for exposure limits on ingredients. Chemical ingredients not regulated by OSHA or SARA are treated confidentially.
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### 3. HAZARDS IDENTIFICATION

*EMERGENCY OVERVIEW	Irritating to eyes and skin.
SENSITIZATION	No known information.
CARCINOGENICITY	OSHA: Not regulated. NTP: Not listed. IARC: Not listed as a Group 1, 2A, or 2B agent.
TERATOGENICITY	No known information.
HEALTH WARNINGS	INHALATION. Can irritate airways and lungs. EYE CONTACT. Irritating. INGESTION. Can cause discomfort. SKIN CONTACT. Irritating. Prolonged contact may cause

dermatitis in sensitive individuals.

**ROUTE OF ENTRY**

Skin and/or eye contact. Ingestion. Inhalation.

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**4. FIRST AID MEASURES**

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**INHALATION**

Remove victim immediately from source of exposure. Get medical attention if any discomfort continues. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration.

**EYES**

Important! Immediately rinse with water for at least 15 minutes. Get medical attention if any discomfort continues.

**SKIN**

Immediately remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

**INGESTION**

DO NOT induce vomiting. Get medical attention immediately. Do not give victim anything to drink if he is unconscious.

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**5. FIRE FIGHTING MEASURES**

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**FLASH POINT (°C)**

> 96 (205 F) TCC (Tag closed cup).

**FLAMMABILITY LIMIT - LOWER(%)**

N/D

**FLAMMABILITY LIMIT - UPPER(%)**

N/D

**EXTINGUISHING MEDIA**

Use: Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemicals.

**SPECIAL FIRE FIGHTING PROCEDURES**

Use water to keep fire exposed containers cool and disperse vapors. Water spray may be used to flush spills away from exposures and dilute spills to non-flammable mixtures. Avoid water in straight hose stream; will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control.

**UNUSUAL FIRE & EXPLOSION HAZARDS**

Contains <1% organic peroxides.

**HAZARDOUS COMBUSTION PRODUCTS**

Irritating gases/vapors/fumes. Oxides of: Carbon. Nitrogen.

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**6. ACCIDENTAL RELEASE MEASURES**

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**SPILL CLEAN-UP PROCEDURES**

Carefully collect spilled material in closed containers and leave for disposal according to local regulations. Provide good ventilation. Use appropriate protective clothing. Rinse area with water. Do not let washing down water contaminate ponds or waterways.

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**7. HANDLING AND STORAGE**

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**HANDLING PRECAUTIONS**

Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Containers to be kept tightly closed. Avoid spilling, skin and eye contact. Eye wash and emergency shower must be available at the work place.

<b>STORAGE PRECAUTIONS</b>	Keep away from heat, sparks and open flame. Store separated from: Oxidizing materials. Reducing materials.
<b>STORAGE CRITERIA</b>	Chemical storage.

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## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

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### PROTECTIVE EQUIPMENT



<b>ENGINEERING CONTROLS</b>	Use engineering controls to reduce air contamination to permissible exposure level.
<b>VENTILATION</b>	No specific ventilation requirements noted, but forced ventilation may still be required if air contamination exceeds acceptable level.
<b>RESPIRATORS</b>	No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.
<b>PROTECTIVE GLOVES</b>	For prolonged or repeated skin contact use suitable protective gloves.
<b>EYE PROTECTION</b>	Wear splash-proof eye goggles to prevent any possibility of eye contact.
<b>PROTECTIVE CLOTHING</b>	Wear appropriate clothing to prevent repeated or prolonged skin contact.
<b>HYGIENIC WORK PRACTICES</b>	Wash at the end of each work shift and before eating, smoking and using the toilet.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>APPEARANCE/PHYSICAL STATE</b>	Liquid.		
<b>COLOR</b>	Blue.		
<b>ODOR</b>	Mild (or faint).		
<b>SOLUBILITY DESCRIPTION</b>	Slightly soluble in water.		
<b>BOILING POINT (°C, range)</b>	> 149	<b>Pressure</b>	760mmHg
<b>DENSITY</b>	1.1	<b>Temperature (°C)</b>	20 (68 F)
<b>VAPOR PRESSURE</b>	< 5 mmHg	<b>Temperature (°C)</b>	25 (77 F)

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## 10. STABILITY AND REACTIVITY

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<b>STABILITY</b>	Normally stable.
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<b>CONDITIONS TO AVOID</b>	Avoid contact with acids and oxidizing substances.
<b>HAZARDOUS POLYMERIZATION</b>	Will not polymerize.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Oxides of: Carbon. Nitrogen.

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## 11. TOXICOLOGICAL INFORMATION

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**TOXICOLOGICAL INFORMATION** No experimental toxicological data on the preparation as such is available.

**COMPONENT** **POLYGLYCOL DIMETHYLACRYLATE**

<b>TOXICOLOGICAL DATA</b>	Chronic toxicity. WHMIS: D2B
<b>TOXIC DOSE - LD 50</b>	> 10000 est. mg/kg (oral rat)
<b>TOXIC DOSE - LD 50 SKIN</b>	> 5000 est. mg/kg (skn rbt)
<b>TOXIC CONC. - LC 50</b>	N/A.

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## 12. ECOLOGICAL INFORMATION

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**ECOLOGICAL INFORMATION** No data on possible environmental effects have been found.

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## 13. DISPOSAL CONSIDERATIONS

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**DISPOSAL METHODS** Spilled material, unused contents and empty containers must be disposed of in accordance with local, state and federal regulations.

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## 14. TRANSPORT INFORMATION

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<b>DOT HAZARD CLASS</b>	Not regulated.
<b>TDGR CLASS</b>	Not Regulated. Non réglementé.
<b>SEA TRANSPORT NOTES</b>	Not regulated per IMDG.
<b>AIR TRANSPORT NOTES</b>	Not regulated per IATA.

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## 15. REGULATORY INFORMATION

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<b>US FEDERAL REGULATIONS: COMPONENT</b>	<b>SARA 302</b>	<b>CERCLA</b>	<b>SARA 313</b>
POLYGLYCOL DIMETHYLACRYLATE	No	No	No

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**WORKPLACE HAZARDOUS  
MATERIALS INFORMATION SYSTEM -  
WHMIS**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**\*LABEL(S) FOR SUPPLY****\*CONTROLLED PRODUCT  
CLASSIFICATION**

D2B - Chronic Toxic Material

**\*Risk phrases**

R-36/38 Irritating to eyes and skin.

**\*Safety phrases**

S-24/25 Avoid contact with skin and eyes.  
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**INVENTORIES: COMPONENT**

POLYGLYCOL DIMETHYLACRYLATE

**CAN**

DSL

**US**

Yes

**EU**

EINECS

**AUS**

Yes

**JAP**

Yes

**KOR**

Yes

**CHN**

Yes

**PHLP**

Yes

All components of this product comply with new substance notification requirements under the Canadian Environmental Protection Act (CEPA).

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**16. OTHER INFORMATION**

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**HEALTH**

Irritation, minor residual injury (1) - HMIS/NFPA

**FLAMMABILITY**

Burns only if pre-heated (1) - HMIS/NFPA

**REACTIVITY**

Normally Stable (0) - HMIS/NFPA

**\*REVISION COMMENTS**

Section 2: Ingredients  
Section 3: Health Hazards  
Section 15: WHMIS

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**\*Replacement MSDS of**

2005-03-31

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**DISCLAIMER**

While the information and recommendations set forth herein are believed to be accurate as of the date thereof, Chemtool Incorporated makes no warranty with respect thereto and disclaims all liability from reliance therein.