



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

ROUTE OF ENTRY	dermatitis in sensitive individuals. Skin and/or eye contact. Ingestion. Inhalation.
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4. FIRST AID MEASURES

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.

5. FIRE FIGHTING MEASURES

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 (CO2). 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.

6. ACCIDENTAL RELEASE MEASURES

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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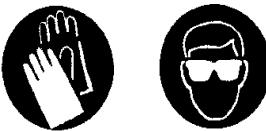
7. HANDLING AND STORAGE

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

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

PROTECTIVE EQUIPMENT



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

9. PHYSICAL AND CHEMICAL PROPERTIES

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

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION	No experimental toxicological data on the preparation as such is available.
COMPONENT	POLYGLYCOL DIMETHYLACRYLATE
TOXICOLOGICAL DATA	Chronic toxicity. WHMIS: D2B
TOXIC DOSE - LD 50	> 10000 est. mg/kg (oral rat)
TOXIC DOSE - LD 50 SKIN	> 5000 est. mg/kg (skn rbt)
TOXIC CONC. - LC 50	N/A.

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION	No data on possible environmental effects have been found.
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13. DISPOSAL CONSIDERATIONS

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

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

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS: COMPONENT	SARA 302	CERCLA	SARA 313
POLYGLYCOL DIMETHYLACRYLATE	No	No	No

**WORKPLACE HAZARDOUS
MATERIALS INFORMATION SYSTEM -
WHMIS**

***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	US	EU	AUS	JAP	KOR	CHN	PHLP
DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes

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

16. OTHER INFORMATION

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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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.