



MATERIAL SAFETY DATA SHEET

CAT GASKET MAKER FLEXIBLE

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME	CAT GASKET MAKER FLEXIBLE
PART No.	1U-8846, 185-3983, 185-3984, 4C-5300*-----
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SYNONYMS	CAT GASKET MAKER HIGH ELONGATION
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 In USA and Canada - (800) 458-5924 Outside USA and Canada - +01-303-893-1322

2. COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS No.	WEIGHT
*ALIPHATIC URETHANE ACRYLATE	Proprietary	40-60 %
*2-PROPENOIC ACID, 2-METHYL-, 1,2-ETHANEDIYLBIS(OXY-2,1-ETHANEDIYL) ESTER	109-16-0	10-30 %
*2-PROPENOIC ACID, 2-METHYL-, 2-HYDROXYETHYL ESTER	868-77-9	10-20 %
ETHENE, HOMOPOLYMER (COMMON NAME: POLYETHYLENE)	9002-88-4	10-20 %

* 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, SARA, state or federal agencies are treated confidentially.
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3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

* Irritating to eyes and skin. May cause sensitisation by skin contact.

INHALATION	Prolonged exposure may cause slight irritation.
INGESTION	Small amounts should not cause injury. May cause stomachache or vomiting.
*SKIN	May cause skin irritation/eczema.
EYES	May cause irritation, redness, and possible corneal injury.
*SENSITIZATION	May cause sensitization, an allergic reaction, which becomes evident on reexposure to this chemical.
CARCINOGENICITY	IARC: Not listed as a Group 1, 2A, or 2B agent. OSHA: Not regulated. NTP: Not listed.
TERATOGENICITY	No known information.
ROUTE OF ENTRY	Inhalation. Ingestion. Skin and/or eye contact.

4. FIRST AID MEASURES

INHALATION	Remove victim immediately from source of exposure. For breathing difficulties oxygen may be necessary. Perform artificial respiration if breathing has stopped. Get medical attention if any discomfort continues.
EYES	Rinse the eye with water immediately. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
SKIN	Remove contaminated clothing. Wash the skin immediately with soap and water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
INGESTION	DO NOT INDUCE VOMITING! Get medical attention immediately!

5. FIRE FIGHTING MEASURES

FLASH POINT (°C)	93 (200 F) TCC (Tag closed cup).
FLAMMABILITY LIMIT - LOWER(%)	N/D
FLAMMABILITY LIMIT - UPPER(%)	N/D
EXTINGUISHING MEDIA	Use: Carbon dioxide (CO2). Dry chemicals, sand, dolomite etc. Foam.
SPECIAL FIRE FIGHTING PROCEDURES	Use water spray to keep fire exposed containers cool and disperse vapors. Water spray may be used to flush spills away from exposures.
UNUSUAL FIRE & EXPLOSION HAZARDS	Pressure will increase in over heated, closed containers.
HAZARDOUS COMBUSTION PRODUCTS	Oxides of: Carbon.
PROTECTIVE MEASURES IN CASE OF FIRE	Self-contained breathing equipment and chemical resistant clothing recommended.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Minimize skin contact. Avoid breathing vapors. Wear an appropriate respirator if exposure exceeds recommended guidelines.
PRECAUTIONS TO PROTECT THE ENVIRONMENT	Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. Assure conformity with applicable government regulations.
SPILL CLEAN-UP PROCEDURES	Contain spill. Absorb small amounts. Collect and return large amounts to shipping container. Rinse area with water.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS	Do not reuse container. Keep lid closed when not in use. Avoid eye contact. Do not store or mix with strong oxidizers.
STORAGE PRECAUTIONS	Store separate from strong acids and oxidizers.
STORAGE CRITERIA	Chemical storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

*INGREDIENT COMMENTS	No exposure limits noted for ingredient(s).
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 must be used if the general level exceeds the Occupational Exposure Level (OEL).
PROTECTIVE GLOVES	No specific hand protection noted, but gloves may still be advisable. For prolonged or repeated skin contact use suitable protective gloves.
EYE PROTECTION	Wear chemical safety goggles where eye exposure is reasonably probable.
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	Semi-solid.
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COLOR	Blue.		
ODOR	Mild (or faint).		
SOLUBILITY DESCRIPTION	Slightly soluble in water.		
BOILING POINT (°C, range)	> 149 (300 F)	Pressure	760mmHg
DENSITY	1.08	Temperature (°C)	25 (77°F)
VAPOR PRESSURE	< 5 mmHg	Temperature (°C)	25 (77°F)
EVAPORATION RATE	< 1	Reference	BuAc=1
pH-VALUE, CONC. SOLUTION	N/A		

10. STABILITY AND REACTIVITY

STABILITY	Normally stable.
CONDITIONS TO AVOID	Avoid contact with: Strong oxidizing agents.
HAZARDOUS POLYMERIZATION	Will not occur.
POLYMERIZATION DESCRIPTION	Not applicable
HAZARDOUS DECOMPOSITION PRODUCTS	Oxides of: Carbon.

11. TOXICOLOGICAL INFORMATION

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

COMPONENT ALIPHATIC URETHANE ACRYLATE

TOXIC DOSE - LD 50 No Information Available (NIA).
TOXIC CONC. - LC 50 No Information Available (NIA).

COMPONENT 2-PROPENOIC ACID, 2-METHYL-, 1,2-ETHANEDIYLBIS(OXY-2,1-ETHANEDIYL) ESTER

TOXICOLOGICAL DATA Irritating effects. WHMIS (Canada) D2B - R36/38, R43 Sartomer
TOXIC DOSE - LD 50 No Information Available (NIA).
TOXIC CONC. - LC 50 No Information Available (NIA).

COMPONENT 2-PROPENOIC ACID, 2-METHYL-, 2-HYDROXYETHYL ESTER

TOXICOLOGICAL DATA Irritating effects. WHMIS (Canada) D2B - R36/38, R43 csst.qc.ca
TOXIC DOSE - LD 50 5050 mg/kg (oral rat)
TOXIC DOSE - LD 50 SKIN > 5000 mg/kg (skn rbt)
TOXIC CONC. - LC 50 No Information Available (NIA).

COMPONENT ETHENE, HOMOPOLYMER (COMMON NAME: POLYETHYLENE)

TOXIC DOSE - LD 50 N/A.
TOXIC CONC. - LC 50 N/A.

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION

There is no ecological data on the product itself.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

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

14. TRANSPORT INFORMATION

DOT HAZARD CLASS

Not regulated.

***TDGR CLASS**

Not Regulated.

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**

ALIPHATIC URETHANE ACRYLATE

No

No

No

2-PROPENOIC ACID, 2-METHYL-, 1,2-ETHANEDIYLBIS(OXY-2,1-ETHANEDIYL)
ESTER

No

No

No

2-PROPENOIC ACID, 2-METHYL-, 2-HYDROXYETHYL ESTER

No

No

No

ETHENE, HOMOPOLYMER (COMMON NAME: POLYETHYLENE)

No

No

No

CLEAN AIR ACT***SARA HAZARD CATEGORIES**

Acute

US STATE REGULATIONS***STATE REGULATORY STATUS**

CALIFORNIA PROPOSITION 65: This product may contain the following chemical(s) considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity, and for which warnings are now required:

Trace amounts of:

Ethylene oxide, cancer hazard, CAS # 75-21-8

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.
R-43 May cause sensitization by skin contact.

GLOBAL INVENTORIES

COMPONENT	CAN	US	EU	AUS	JAP	KOR	PHLP	CHN
ETHENE, HOMOPOLYMER (COMMON NAME: POLYETHYLENE)	DSL	Yes	Polymer	Yes	Yes	Yes	Yes	Yes
ALIPHATIC URETHANE ACRYLATE	DSL	Yes	Polymer	Yes	Yes	Yes	No	Yes
2-PROPENOIC ACID, 2-METHYL-, 1,2-ETHANEDIYLBIS(OXY-2,1-ETHANEDIYL) ESTER	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
2-PROPENOIC ACID, 2-METHYL-, 2-HYDROXYETHYL ESTER	DSL	Yes	EINECS	No	No	No	No	No

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

16. OTHER INFORMATION

NFPA-HMIS HAZARD RATING**HEALTH** Irritation, minor residual injury (1) - HMIS/NFPA**FLAMMABILITY** Burns only if pre-heated (1) - HMIS/NFPA**REACTIVITY** Unstable if heated (1) - HMIS/NFPA**PERSONAL PROTECTION INDEX** B - Safety Eyewear and Gloves***PREPARED BY** James P. McBriarty***Replacement MSDS of** 2008-03-11***DATE** 2008-10-10**PRINTING DATE:** 2008-10-10

DISCLAIMER

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

*** Information revised since previous MSDS version**