



MATERIAL SAFETY DATA SHEET

CAT GASKET MAKER

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME	CAT GASKET MAKER
PART No.	Chemtool, 8427900000, Caterpillar, 6V-6640
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
Date of last issue	2008-11-06

2. COMPOSITION AND INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS No.	WEIGHT
*2-PROPENOIC ACID, 2-METHYL-, 1,2-ETHANEDIYLBIS(OXY-2,1-ETHANEDIYL) ESTER	109-16-0	20-40 %
*2-PROPENOIC ACID, 2-METHYL-, 2-HYDROXYETHYL ESTER	868-77-9	15-40 %
ACETIC ACID ETHENYL ESTER, POLYMER WITH 1,1-BIS(ETHENYLOXY)BUTANE AND ETHENOL	27360-07-2	10-25 %
ETHENE, HOMOPOLYMER (COMMON NAME: POLYETHYLENE)	9002-88-4	5-25 %

* 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, respiratory system and skin. May cause sensitisation by skin contact.
INHALATION	Prolonged exposure may cause slight irritation.
INGESTION	Small amounts should not cause injury. May cause stomach pain or vomiting.
SKIN	Slightly irritating.
EYES	May cause irritation, redness, and possible corneal injury.
SENSITIZATION	Product contains oximes, which are possible skin sensitizers.
CARCINOGENICITY	IARC: Not listed as a Group 1, 2A, or 2B agent. OSHA: Not regulated. NTP: Not listed.
TERATOGENICITY	No known information.
HEALTH WARNINGS	INHALATION. Can irritate airways and lungs. SKIN CONTACT. Slightly irritating. EYE CONTACT. Irritating. INGESTION. Can cause stomach ache and vomiting.
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	Volume and pressure increases strongly when heated. Risk of container explosion in fire.
HAZARDOUS COMBUSTION PRODUCTS	Oxides of: Carbon. Silicon.
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 indicated 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	Paste or slurry.		
COLOR	Blue.		
ODOR	Mild (or faint).		
SOLUBILITY DESCRIPTION	Slightly soluble in water.		
BOILING POINT (°C, range)	> 149 (300°F)	Pressure	760mmHg
DENSITY	1.03	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		
VOLATILE ORGANIC CONTENT	< 0.1 wt%		

10. STABILITY AND REACTIVITY

STABILITY	Normally stable.
CONDITIONS TO AVOID	Avoid contact with: Strong oxidizing agents.
HAZARDOUS POLYMERIZATION	Will not polymerize.
HAZARDOUS DECOMPOSITION PRODUCTS	Oxides of: Carbon. Silicon.

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION	No experimental toxicological data on the preparation as such is available.
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COMPONENT	2-PROPENOIC ACID, 2-METHYL-, 1,2-ETHANEDIYLBIS(OXY-2,1-ETHANEDIYL) ESTER
TOXICOLOGICAL DATA	Irritating effects. WHMIS (Canada) D2B - R36/38 Sartomer
TOXIC DOSE - LD 50	No Information Available (NIA).
TOXIC CONC. - LC 50	No Information Available (NIA).
SENSITIZATION	May cause sensitization, an allergic reaction, which becomes evident on reexposure to this chemical.

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).
SENSITIZATION	May cause sensitization, an allergic reaction, which becomes evident on reexposure to this chemical.

COMPONENT	ACETIC ACID ETHENYL ESTER, POLYMER WITH 1,1-BIS(ETHENYLOXY)BUTANE AND ETHENOL
TOXIC DOSE - LD 50	No Information Available (NIA).
TOXIC CONC. - LC 50	No Information Available (NIA).

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION	There is no ecological data on the product itself.
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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.
REPORTABLE QUANTITY (RQ)	No
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
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
ACETIC ACID ETHENYL ESTER, POLYMER WITH 1,1-BIS(ETHENYLOXY)BUTANE AND ETHENOL	No	No	No
ETHENE, HOMOPOLYMER (COMMON NAME: POLYETHYLENE)	No	No	No

CLEAN AIR ACT

SARA HAZARD CATEGORIES	Acute Chronic
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US STATE REGULATIONS

STATE REGULATORY STATUS

CALIFORNIA PROPOSITION 65: This product ***DOES NOT*** contain chemicals 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.

PENNSYLVANIA RIGHT-TO-KNOW: This product contains the following chemicals that the state of Pennsylvania has identified as Special Hazardous Substances (SHS), Environmental Hazards (EH), or both (ESHS). The PA regulations require that the MSDS identify all SHS or EH chemicals by chemical name, common name, and CAS Number if they comprise 0.01% or more.

Hydroperoxide, 1-methyl-1phenylethyl, Environmental Hazard, CAS# 80-15-9 <1.0%

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 - Irritating and/or Chronically Toxic Materials

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
ACETIC ACID ETHENYL ESTER, POLYMER WITH 1,1-BIS(ETHENYLOXY)BUTANE AND ETHENOL	DSL	Yes	Polymer	No	No	No	No	No
ETHENE, HOMOPOLYMER (COMMON NAME: POLYETHYLENE)	DSL	Yes	Polymer	Yes	Yes	Yes	Yes	Yes
2-PROPENOIC ACID, 2-METHYL-, 2-HYDROXYETHYL ESTER	DSL	Yes	EINECS	No	No	No	No	No
2-PROPENOIC ACID, 2-METHYL-, 1,2-ETHANEDIYLBIS(OXY-2,1-ETHANEDIYL) ESTER	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes

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
REVISION COMMENTS	Section 2: Ingredients
PREPARED BY	James P. McBriarty
Replacement of MSDS generated	2006-10-09
DATE	2008-11-06
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	
PRINTING DATE:	2008-11-06