



MATERIAL SAFETY DATA SHEET

CAT CITRA-SOAP

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME	CAT CITRA-SOAP
PART No.	Chemtool, 842044, Caterpillar, 174-6885
PRODUCT USE	Mild Liquid Detergent
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
WATER	7732-18-5	60-80 %
AMIDES, COCO, N-(HYDROXYETHYL)	68140-00-1	5-10 %
COCAMIDOPROPYL BETAINE	61789-40-0	5-10 %
9-OCTADECENOIC ACID (Z)-, COMPD. WITH 1,1'-IMINOBIS [2-PROPANOL] (1:1)	38618-12-1	5-10 %
BENZENESULFONIC ACID, DIMETHYL-, SODIUM SALT	1300-72-7	5-10 %

* 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

Not regarded as a health hazard under current legislation.

HEALTH HAZARDS, GENERAL	Direct contact with product concentrate may cause slight eye irritation.
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. Inhalation of product vapor or mist may cause irritation of mucous membranes in nasal passages and throat. SKIN CONTACT. Prolonged or repeated exposure not likely to cause significant skin irritation. EYE CONTACT. May cause slight eye irritation. May cause very slight transient (temporary) corneal injury. INGESTION. Can cause discomfort.
ROUTE OF ENTRY	Ingestion. Skin and/or eye contact.

4. FIRST AID MEASURES

INHALATION	If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.
EYES	Promptly wash eyes with lots of water while lifting the eye lids. Get medical attention if any discomfort continues.
SKIN	Skin irritation not likely, however, if irritation does develop rinse with water for a least 15 minutes. Get medical attention if irritation persists after washing.
INGESTION	DO NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

FLASH POINT (°C)	N/A
FLAMMABILITY LIMIT - LOWER(%)	N/A
FLAMMABILITY LIMIT - UPPER(%)	N/A
EXTINGUISHING MEDIA	Product contains water and should not support combustion. Will burn if sufficiently heated to drive off water. Fire can be extinguished using: Carbon dioxide (CO ₂). Dry chemicals, sand, dolomite etc. Water spray, fog or mist. Foam.
SPECIAL FIRE FIGHTING PROCEDURES	Use water spray to keep fire exposed containers cool and disperse vapors.
UNUSUAL FIRE & EXPLOSION HAZARDS	No unusual fire or explosion hazards noted.
HAZARDOUS COMBUSTION PRODUCTS	Acrid smoke/fumes. Oxides of: Carbon. Nitrogen. Sulfur.
PROTECTIVE MEASURES IN CASE OF FIRE	Self-contained breathing equipment and chemical resistant clothing recommended.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Minimize skin contact.
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	Avoid spilling, skin and eye contact. Eye wash station should be available at the work place. Keep lid closed when not in use. Product contains amines, do not mix with nitrites.
STORAGE PRECAUTIONS	Keep in cool, dry, ventilated storage and closed containers. Store separate from strong acids and oxidizers. Do not freeze.
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 may still be required under exceptional circumstances when excessive air contamination exists.
PROTECTIVE GLOVES	No specific hand protection noted, but gloves may still be advisable.
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	Hazy Liquid.
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COLOR	Light yellow.		
ODOR	Mild (or faint). Citrus		
SOLUBILITY DESCRIPTION	Soluble in water.		
BOILING POINT (°C, range)	100 (212 F)	Pressure	760mmHg
DENSITY	1.04	Temperature (°C)	15.6 (60°F)
VAPOR DENSITY (air=1)	> 1		
EVAPORATION RATE	< 1	Reference	BuAc=1
pH-VALUE, CONC. SOLUTION	9.0		

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION	No experimental toxicological data on the preparation as such is available.
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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.
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
AMIDES, COCO, N-(HYDROXYETHYL)	No	No	No
COCAMIDOPROPYL BETAINE	No	No	No
9-OCTADECENOIC ACID (Z)-, COMPD. WITH 1,1'-IMINO BIS [2-PROPANOL] (1:1)	No	No	No
BENZENESULFONIC ACID, DIMETHYL-, SODIUM SALT	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:

Dichloroacetic acid, cancer hazard, CAS# 79-43-6 <100 ppm

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.

Sodium sulfate, Environmental Hazard, CAS# 7757-82-6 <0.5%

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.

CONTROLLED PRODUCT CLASSIFICATION Not a controlled product.

GLOBAL INVENTORIES

COMPONENT	CAN	US	EU	AUS	JAP	KOR	PHLP	CHN
BENZENESULFONIC ACID, DIMETHYL-, SODIUM SALT	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
AMIDES, COCO, N-(HYDROXYETHYL)	DSL	Yes	EINECS	No	No	No	No	No
COCAMIDOPROPYL BETAINE	DSL	Yes	EINECS	No	No	No	No	No
9-OCTADECENOIC ACID (Z)-, COMPD. WITH 1,1'-IMINO BIS [2-PROPANOL] (1:1)	NDSL	Yes	EINECS	No	No	No	No	No

CANADA RESTRICTION: This product contains one or more components that are NOT LISTED on the Canadian Domestic Substances List (DSL). This product may be imported into Canada in limited quantities only. Contact the Regulatory Compliance Manager for more information.

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	Normally Stable (0) - HMIS/NFPA
PERSONAL PROTECTION INDEX	B - Safety Eyewear and Gloves
REVISION COMMENTS	Section 2: Ingredients Section 15: US Regulatory Status. Section 15: Inventory Status
PREPARED BY	John Dingess James P. McBriarty Maria Maka
Replacement MSDS of	2008-04-29
DATE	2008-10-09
PRINTING DATE:	2008-10-09
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