

Food-Grade Lubricants & Cleaning Products



Your manufacturing excellence and product quality matter!

MATERIAL SAFETY DATA SHEET

wash

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME	wash
Product number	455500, 455770
PRODUCT USE	Liquid Alkaline Cleaner
SUPPLIER	Consumer Ready Products, LLC 1001 East Centralia Dr. Elkhorn, WI 53121 USA Tel: +1 (262)723-6604 Fax: +1 (262) 723-6730
EMERGENCY TELEPHONE	INFOTRAC U.S. and Canada - (800) 535-5053 Outside the U.S. and Canada - +01-352-323-3500
Date of last issue	2005-03-25

2. COMPOSITION AND INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS No.	WEIGHT
WATER	7732-18-5	60-80 %
*ALCOHOLS, C9-11, ETHOXYLATED	68439-46-3	7-13 %
TRIPHOSPHORIC ACID, PENTASODIUM SALT	7758-29-4	5-10 %
*CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHENYL)-, (R)- (COMMON NAME: D-LIMONENE)	5989-27-5	1-5 %
*SULFURIC ACID, DISODIUM SALT	7757-82-6	<0.1 %

* 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

Exposure to vapors generated at high temperatures may cause respiratory irritation.
May cause irritation to eyes and skin.

SENSITIZATION	No known information.
CARCINOGENICITY	IARC: Not listed as a Group 1, 2A, or 2B agent. NTP: Not listed. OSHA: Not regulated.
TERATOGENICITY	No known information.
HEALTH WARNINGS	INHALATION. Spray mist can irritate airways and lungs. SKIN CONTACT. Concentrate may cause irritation. EYE CONTACT. Irritating. INGESTION. Can cause stomach ache and vomiting.
ROUTE OF ENTRY	Skin and/or eye contact. Ingestion. Inhalation.

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	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.
INGESTION	DO NOT INDUCE VOMITING! Drink large amounts of water. Get medical attention immediately! Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

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. Use: Foam. Carbon dioxide (CO ₂). Dry chemicals, sand, dolomite etc.
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	Acrid smoke/fumes. Oxides of: Carbon. Nitrogen.
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. Neutralize and absorb small amounts. Collect and return large amounts to shipping container. Rinse spill area with water.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Do not reuse container. Keep lid closed when not in use. Do not store or mix with strong oxidizers. Product contains amines, do not mix with nitrites.

STORAGE PRECAUTIONS Keep away from heat, sparks and open flame. Store separate from strong acids and oxidizers.

STORAGE CRITERIA Chemical storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

COMPONENT	STD	TWA	STEL	TWA	STEL
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHENYL)-, (R)- (COMMON NAME: D-LIMONENE)	OSHA	N/E			
	ACGIH	N/E			
	AIHA	30 ppm WEEL			

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 Clear. Liquid.

COLOR Green.

ODOR	Detergent.		
SOLUBILITY DESCRIPTION	Soluble in water.		
BOILING POINT (°C, range)	100 (212°F)	Pressure	760mmHg
DENSITY	1.07	Temperature (°C)	15.6 (60°F)
VAPOR DENSITY (air=1)	> 1		
VAPOR PRESSURE	< 1.0 mmHg	Temperature (°C)	20 (68°F)
EVAPORATION RATE	< 1	Reference	BuAc=1
pH-VALUE, CONC. SOLUTION	11.0		
pH-VALUE, DILUTED SOLUTION	9.0-9.5	Concentration %M	5

10. STABILITY AND REACTIVITY

STABILITY	Normally stable.
HAZARDOUS POLYMERIZATION	Will not occur.
POLYMERIZATION DESCRIPTION	Not applicable
HAZARDOUS DECOMPOSITION PRODUCTS	Oxides of: Carbon. Nitrogen.

11. TOXICOLOGICAL INFORMATION

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

COMPONENT	ALCOHOLS, C9-11, ETHOXYLATED
TOXIC DOSE - LD 50	1378 mg/kg (oral rat)
TOXIC DOSE - LD 50 SKIN	> 2000 mg/kg (skn rbt)

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.
REPORTABLE QUANTITY (RQ)	148,148 pounds due to POTASSIUM HYDROXIDE.
U.S. DOT HAZARD LABEL	No DOT label requirement
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
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHENYL)-, (R)- (COMMON NAME: D-LIMONENE)	No	No	No
SULFURIC ACID, DISODIUM SALT	No	No	No
ALCOHOLS, C9-11, ETHOXYLATED	No	No	No
TRIPHOSPHORIC ACID, PENTASODIUM SALT	No	5 000 lbs	No

CLEAN AIR ACT

SARA HAZARD CATEGORIES Acute

US STATE REGULATIONS

COMPONENT	CA	MA	FL	MN	NJ	PA	RI
TRIPHOSPHORIC ACID, PENTASODIUM SALT						EH	
SULFURIC ACID, DISODIUM SALT						EH	

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 <10 ppm

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM - WHMIS

GLOBAL INVENTORIES

COMPONENT	CAN	US	EU	AUS	JAP	KOR	PHLP	CHN
ALCOHOLS, C9-11, ETHOXYLATED	DSL	Yes	Polymer	Yes	Yes	Yes	Yes	Yes
TRIPHOSPHORIC ACID, PENTASODIUM SALT	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHENYL)-, (R)- (COMMON NAME: D-LIMONENE)	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
SULFURIC ACID, DISODIUM SALT	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	

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	D - Eye & Face Protection, Gloves and Apron
REVISION COMMENTS	Section 9: pH Section 9: pH
PREPARED BY	James W. Hermann Maria Maka
Replacement of MSDS generated	2005-01-31
DATE	2007-10-31
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:	2007-10-31