

1. GENERAL PRODUCT INFORMATION

Product Name Raritan Concentrate
Product Code 5211
Chemical Name and Synonyms . N/A
Formula: Proprietary
Product Use Cleaner and Lubricant

DEPARTMENT OF TRANSPORTATION INFORMATION

D.O.T. Proper Shipping Name ... Compounds, Cleaning Liquid, NoI
U.N. or N.A. Number 49 CFR 172.101, Item 48580 Sub 3 (Class 55)
D.O.T. Hazard Class Not Hazardous
D.O.T. Emergency Response Guide (1996 Ed.): Not Assigned
Hazardous Mat'ls ID System Values (HMIS): Health - 2 Flammability - 0 Reactivity - 0
Nat'l Fire Protection Assn. (NFPA 704-M): Health - 2 Flammability - 0 Reactivity - 0

U.S. FEDERAL REGULATIONS:

TSCA (Toxic Substance Control Act) Status: The intentional ingredients of this product are listed.
CERCLA RQ - 40 CFR 355 Appendix A: None
SARA 302 Components - 40 CFR 355 Appendix A: None
SARA 311/312 Hazard Class - 40 CFR 370.2: Immediate (X) Delayed (X) Fire () Reactivity () Sudden Release of Pressure ()
SARA 313 Components - 40 CFR 372.65: None

STATE AND LOCAL REGULATIONS:

California Proposition 65: None
North Carolina Administrative Code 2D.1104 and 2H.0610: None
South Carolina Regulation 62.5 Standard Number 8: None

MANUFACTURER INFORMATION:

Company Name I. Schneid
Street Address 1429 Fairmont Avenue NW
City, State, Zip Atlanta, GA 30318-4153
Emergency Phone 1-404-351-4705
CHEMTREC 1-800-424-9300 24 hours

DISTRIBUTED BY:

Company Name Raritan Engineering Company, Inc.
Street Address 530 Orange Street
City, State, Zip Millville, NJ 08332
Office Phone (856) 825-4900
Date Prepared 09/01/00 Updated 02-26-01

2. HAZARDOUS INGREDIENTS

CHEMICAL NAME	% of Mixture	TLV	PEL	CAS#
n-alkyl (C14 50%, C12 40%, C16 10%) dimethyl benzyl ammonium chloride	3.07%	N/A	N/A	8001-54-5
didecyl dimethyl ammonium chloride	4.61%	N/A	N/A	7173-51-5

3. PHYSICAL PROPERTIES

BOILING POINT	212° F.	VAPOR DENSITY (Air = 1).....	Unknown
SPECIFIC GRAVITY (H ₂ O = 1) ...	1.02 +/- 0.02	VAPOR PRESSURE (mm. Hg.)	Unknown
SOLUBILITY IN WATER	Complete	EVAPORATION RATE (Water = 1).....	<1
MELTING POINT (F.)	Unknown	PERCENT VOLATILES	93%
COLOR	Clear, colorless liquid	pH CONCENTRATE	6.5 - 7.5
ODOR	Citrus		

4. FIRE AND EXPLOSION DATA

FLASHPOINTNo Flash at Boil METHOD: C.C.
EXTINGUISHING MEDIA.....Not Applicable SPECIAL FIRE FIGHTING PROCEDURES: Not Applicable
UNUSUAL FIRE/EXPLOSION HAZARD Not Applicable
FIRE FIGHTING INSTRUCTIONS: Avoid contact with this material. Avoid walking in spilled material. Wear protective clothing for skin and eyes.

5. REACTIVITY DATA

CHEMICAL STABILITY: Stable Unstable
HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous Polymerization Will Occur Will Not Occur
CONDITIONS TO AVOID: Temperature extremes INCOMPATIBILITY: Will lose activity if mixed with anionics

6. HEALTH HAZARD INFORMATION

ACUTE HEALTH HAZARDS: None Known
CHRONIC HEALTH HAZARDS: Chronic ingestion may cause kidney lesions at high doses
SIGNS AND SYMPTOMS OF EXPOSURE: Gastrointestinal irritation (nausea, vomiting, diarrhea), irritation to nose, throat and respiratory tract. Repeated overexposure to this product may cause damage to the liver and kidneys. Repeated skin contact may absorb harmful amounts.

MEDICAL CONDITIONS GENERALLY

AGGRAVATED BY EXPOSURE: None Known
CHEMICALS LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY:
National Toxicity Program: Yes: No
I.A.R.C. Monographs: Yes: No
O.S.H.A.: Yes: No

EMERGENCY AND FIRST AID PROCEDURES: For principle route of entry, see appropriate emergency procedure below. Never give anything by mouth to an unconscious person.

Route of Entry: Inhalation: If symptoms of overexposure develop, remove to fresh air and get medical attention.
Eyes: Flush eyes with water for at least 15 minutes. If irritation persists, seek medical attention.
Skin: Flush skin with water for at least 15 minutes.
Ingestion: Drink promptly a large quantity of egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. Get medical attention. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

7. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Small Spills Absorb with an inert solid and scoop up for disposal, then rinse soiled area with waste
Large Spills Stop leak at the source and collect into a suitable container, then treat as a small spill.

WASTE DISPOSAL METHODS:

Dispose of in accordance with all applicable Local, State and Federal regulations.
RSCA Information If this material becomes a waste, it would be considered hazardous under 40 CFR 261.22 and would be classified as EPA Waste number D002.

8. SPECIAL PROTECTION AND CONTROL MEASURES

RESPIRATORY PROTECTION (Specify Type): Air Supplied Mask in Confined Areas.
VENTILATION: General and Local Exhaust: Mechanical
PROTECTIVE EQUIPMENT : Rubber Gloves
EYE PROTECTION: Chemical Splash Goggles
WORK OR HYGIENIC PRACTICES: A NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specific conditions.

9. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

STORAGE: Store in a cool, dry place. Keep original container closed when not in use.
SHELF LIFE: Two years minimum
HANDLING: Containers of this material may be hazardous when emptied. Since emptied containers retain product residue (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

All information, recommendations and suggestions appearing herein concerning this product are based upon tests and data believed to be reliable; however, it is the user's responsibility to determine the safety, toxicity and suitability for his own use of the products described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by RARITAN Engineering Company, Inc. or I. Schneid as to the effects of such use, the results to be obtained or the safety and toxicity of the products nor does RARITAN Engineering Company, Inc. or I. Schneid assume any liability arising out of use by others, of the products contained herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations. Nothing herein contained is to be construed as a recommendation to infringe any patent.