

MATERIAL SAFETY DATA SHEET – RIPPER 2

Manufactured by: Alklean Industries, Inc. For Chemical Emergency, call INFOTRAC 1-800-535-5053
2111 Catalina Outside U.S. call 001-352-323-3500
Pasadena, TX 77503 Date Prepared: 12/1/2008

SECTION I – PRODUCT IDENTIFICATION

Product Name: RIPPER 2
Synonyms:
Chemical Description:
Intended Use: Industrial Detergent

SECTION II – HAZARDOUS INGREDIENTS

Chemical ID	CAS Number	% Weight	OSHA PEL	ACGIH TLV
Sodium Hydroxide	1310-73-2	5–10	2 mg/m ³ 8 hr. ceiling	2 mg/ms
Sodium Metasilicate	6834-92-0	1–5	NE	NE
Tetrasodium ethylene- diamine tetraacetic acid	64-02-8	1–5	NE	NE
Sodium Xylene Sulfonate	1300-72-7			

SECTION III – PHYSICAL & CHEMICAL PROPERTIES

Appearance and Odor: red to brown liquid with mild odor pH: 12.75
Boiling Point °F/C: >212F Specific Gravity (Water=1): 1.15
Vapor Pressure (mm Hg): 23 Melting Point (°F/C): 10F
Vapor Density (Air=1): 1.2 Evaporation Rate (Butyl Acetate=1):
Solubility in Water: Soluble

SECTION IV – FIRE AND EXPLOSION HAZARD

Flash Point (Method): None Flammable Limits (LFL/UFL): N/A
Extinguishing Media: Water, Dry Chemical, Carbon Dioxide, Foam
Special Fire Fighting Procedures: None
Fire and Explosion Hazards: None

SECTION V – HEALTH HAZARD AND FIRST AID

Routes of Entry (Inhale, Ingest, Skin, Eye): All
Health Hazard (Acute and Chronic): Threshold Limit Value = 2 mg/m³
Extremely corrosive to all body tissue. Contact will result in severe burns and frequently deep ulceration. Eye contact will produce severe and painful injury. Inhalation of mist will cause irritation and may even cause damage to entire respiratory tract varying from mild irritation of nasal mucous membranes to severe pneumonitis. Symptoms may not be immediately painful or visible.
Carcinogen/Details: No
OSHA Regulated?
Signs and Symptoms of Exposure: See "Health Hazard" above
Medical Conditions Generally Aggravated by Exposure:

Emergency and First Aid Procedures:

Inhalation - Remove from exposure of mist. Get medical attention immediately.

Ingestion - DO NOT induce vomiting. Immediately dilute by drinking water or milk, then neutralize with diluted vinegar or fruit juice. Seek immediate medical attention.

Skin - Promptly remove contaminated clothing under a shower. Wash the affected area with plenty of soap and water; prolong washing in serious cases. Seek immediate medical attention.

Eyes - Immediately flush eyes, including under eyelids and all surfaces, with plenty of water for an extended time, not less than 5 minutes. SPEED IN FLUSHING IS ESSENTIAL. Flush longer if there is any indication of residual chemical in the eye. Seek immediate medical attention.

SECTION VI – STABILITY AND REACTIVITY

Stability: Stable Conditions to Avoid:
 Incompatibles: Aluminum, Zinc, acids, galvanized metal
 Hazardous Decomposition: N/A
 Hazardous Polymerization: Will Not Occur Conditions to Avoid: N/A

SECTION VII – HANDLING AND STORAGE

Handling: Keep container closed when not in use.
 Respiratory Protection: None needed
 Ventilation: Use with adequate ventilation
 Hand Protection: Rubber or inert plastic gloves Eye Protection: Splash goggles / face shield
 Other Protective Clothing/Equipment: Rubber apron or other impermeable clothing.
 Work/Hygienic Practices: Wash thoroughly after handling. Wash contaminated clothing before re-use.
 Storage: Keep container tightly closed and store in dry area. DO NOT freeze.
 Other Precautions: Keep away from children and untrained personnel.

SECTION VIII – SPILL AND DISPOSAL

Containment: Stop leak if this can be done without injury.
 Clean-Up: Remove as much material as possible. Neutralize remaining spill with dilute acid, then flush with water. Reuse spilled material, if possible.
 Disposal: Disposal of waste may be subject to federal, state, and local regulations. Users should review their regulations.
 Other Emergency Advice:

SECTION IX – TRANSPORTING

DOT shipping class: Caustic, alkali liquids, n.o.s.; class 8
 Keep from freezing.

SECTION X – REGULATORY INFORMATION

SECTION XI – NFPA HAZARD RATINGS

		Health	3		
		Flammability	0		
		Reactivity	2		
0 = Minimal	1 = Slight	2 = Moderate	3 = Serious	4 = Severe	

SECTION XII – OTHER INFORMATION

This data is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

SECTION XIII – REFERENCES

END