

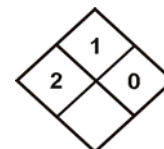
MATERIAL SAFETY DATA SHEET

PRODUCT DISCOVER



NFPA HAZARD RATINGS*

| | | |
|------------|---|------------------------|
| Health | 2 | Moderate health hazard |
| Fire | 1 | Slightly combustible |
| Reactivity | 0 | Nonreactive |



SECTION 1: PRODUCT INFORMATION

Manufacturer: ADCO, Inc., 900 W. Main, Sedalia, MO 65301 (660) 826-3300
EMERGENCY TELEPHONE NUMBERS: CHEMTREC (800) 424-9300 24 HRS 7 DAYS A WEEK; ADCO (800) 821-7556 (8-5 M-F)
Intended Product Use: Laundry detergent
Synonyms: None

SECTION 2: HAZARDOUS INGREDIENTS

| Chemical Name | % | CAS # | OSHA PEL | LD 50 |
|------------------|----|-----------|-------------------------|-----------------------|
| Sodium hydroxide | <2 | 1310-73-2 | 2 mg/m ³ TWA | oral: 500 mg/kg (rat) |

SECTION 3: PHYSICAL DATA

Appearance: Light yellow fluorescent liquid
Odor: Lemon/citrus
Specific Gravity (20° C): 1.038
pH (Straight): 11-12
Boiling Point: 212°F
Solubility in Water: Miscible
Vapor Pressure (mm Hg): No data
Vapor Density: No data

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method)(°F): >230 (PM)
Upper Flammable Limit: No data
Lower Flammable Limit: No data
Extinguishing Media: Compatible with all types.
Special Fire Fighting Procedures: Avoid directing strong water stream into product - may cause foaming.
Unusual Fire and Explosion Hazards: High heat may cause noxious decomposition products.

SECTION 5: REACTIVITY DATA

Stability: Stable
Conditions to Avoid: None
Incompatibility (materials to avoid): Acids and strong oxidizers
Hazardous Decomposition Products: None
Hazardous Polymerization: Will not occur

SECTION 6: HEALTH HAZARD DATA

Toxicity (Estimated): Low
Effects of Overexposure: Acute: Contact with eyes may cause severe irritation or burns. Prolonged contact with skin may cause irritation or burns. Ingestion may cause gastric distress and diarrhea.
Chronic: None known
Carcinogenicity: None of the ingredients of this mixture have been identified as a carcinogen or probable carcinogen by ACGIH, IARC or OSHA.

*Hazard ratings and other information are based on latest available information from tests on product or ingredients of mixtures. The data and evaluations are accurate to the best of ADCO's knowledge. No guarantee or liability is expressed or implied.

| | | | |
|---|--|---|--|
| EXPOSURE LIMITS 2 mg/m3 TWA (sodium hydroxide) | IRRITANCY OF PRODUCT Moderate eyes and skin | SENSITIZATION TO PRODUCT None reported | CARCINOGENICITY No components are listed by ACGIH, IARC or OSHA |
| TERATOGENICITY No effects reported | REPRODUCTIVE TOXICITY No effects reported | MUTAGENICITY None reported | SYNERGISTIC PRODUCTS None reported |

Based on known toxicity of components. No test data available on mixture.

SECTION 7: PREVENTATIVE MEASURES

SPECIAL PROTECTION INFORMATION

Respiratory Protection: None required when used as directed with adequate ventilation.

Ventilation: Normal industrial exhaust is adequate

Protective Gloves: Ordinarily not needed. Use chemically resistant gloves when contact is prolonged or frequent.

Eye Protection: Use goggles or face mask if splashing is likely.

Other protection equipment ordinarily not needed. Availability of eye washes and adequate ventilation in work areas recommended.

STORAGE AND HANDLING: Storage in plastic containers and use of plastic pump recommended. Iron and steel containers satisfactory. Do not use aluminum or copper pipes or containers.

SPILL OR LEAK PROCEDURES: Small spills - flush to sewer with water. Large spills - soak up on absorbent material and shovel into containers for disposal as nonhazardous waste. Follow by flushing with water.

WASTE DISPOSAL METHOD: Neutralize, then flush to sewer or dispose of material and containers in nonhazardous landfill in accordance with all local, state and federal regulations.

RECOMMENDED PRECAUTIONARY LABELING:

CAUTION:

Splashing into eyes or prolonged or repeated contact with skin may cause irritation or burns.

FIRST AID:

In case of contact, flush eyes for 15 minutes with water. Wash off of skin with soap and water. If swallowed, do NOT induce vomiting.

KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

This product is intended for professional use only by trained personnel.

SECTION 8: FIRST AID

Inhalation: No treatment necessary.

Eyes: Flush eyes for 15 minutes with water.

Skin: Wash off of skin with soap and water.

Ingestion: If swallowed, do NOT induce vomiting.

IF SYMPTOMS PERSIST, SEEK MEDICAL ASSISTANCE

SECTION 9: SARA TITLE III

NOTE: This product does contain some components which are under the reporting requirements of SARA Title III, Section 313. If you are required to report discharges using Form R, SARA Title III, Section 313, information is available on amounts of reportable components.

SECTION 10: PREPARATION DATE

This information is provided for guidance only based on information we have compiled. No guarantee of accuracy or completeness is expressed or implied.

ADCO RESEARCH DEPARTMENT

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Replaces MSDS of: March 21, 2000