

Laidlaw Corporation  
5326 Industrial Park Road  
Metropolis, IL 62960

Date Signed: 3-1-04

Transportation: Chemtrec

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Emergency: 1-800-424-9300

### MATERIAL SAFETY DATA SHEET

#### I. IDENTIFICATION

PRODUCT NAME: Laidlaw PURITY  
CHEMICAL NAME: Laundry Detergent  
CAS NUMBER: Mixture  
EMERGENCY TELEPHONE NUMBER: (618) 524-9394

#### II. COMPONENTS AND HAZARD INFORMATION

HAZARDOUS COMPONENT	CAS NO. OF COMPONENT	TLV OF COMPONENT	OSHA PEL	APPROXIMATE CONCENTRATION
Sodium Metasilicate	6834-92-0	Not established	Not established	45.00%
Sodium Hydroxide	1310-73-2	2.5 mg/m <sup>3</sup>	2.5 mg/m <sup>3</sup>	12.00%
Mineral Spirits	14742-48-9	300 ppm	300 ppm	0.50%

D.O.T. Hazard Classification: Corrosive Solid, Basic, Inorganic, NOS, 8, UN 3262, PG III (Contains Sodium Metasilicate  
Hazardous Materials Identification System (HMIS) Anhydrous, Sodium Hydroxide, Solid)  
Health 2 Flammability 0 Reactivity 0 BASIS Recommended by Laidlaw  
TLV for Total Product Not determined BASIS Calculated TLV REF ACGIH

#### III. PHYSICAL DATA

Boiling Point Not applicable Vapor Density Not applicable  
Vapor Pressure Not applicable Percent Volatiles Not applicable  
Specific Gravity 1.77 Evaporation Rate Not applicable

#### IV. FIRE AND EXPLOSION DATA

Flash Point (°F TCC) Not applicable  
Extinguishing Media Water spray, foam, carbon dioxide, or dry chemical.  
Special Firefighting Procedures Self-contained positive pressure breathing apparatus and protective clothes should be worn.  
Unusual Fire & Explosion Hazards Use SCBA and avoid skin contact.

National Fire Protection Association (NFPA) - Hazard Identification  
Health 2 Flammability 0 Reactivity 0 BASIS Recommended by Laidlaw

#### V. HEALTH HAZARD DATA

Effects of Overexposure:  
Eyes: This product is destructive to eye tissues on contact. Will cause severe burns that will result in damage to the eyes and even blindness.  
Skin: This product is destructive to tissues contacted and can and will produce severe burns. Burns may be delayed.  
Breathing: Airborne concentrations of dust, mist, or spray may cause damage to the upper respiratory tract and to lung tissue.  
Swallowing: Corrosive to mucous membranes of the mouth, throat, esophagus, and stomach. May cause perforation of the esophagus and stomach.

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First Aid Procedures:

- Swallowing: Do not induce vomiting. Give large quantities of water or milk. Seek medical attention immediately.
- Skin: Wash with large amounts of water for 15 minutes. Remove contaminated clothing and wash before reuse.
- Inhalation: Remove victim to fresh air. If respiration stops, give mouth-to-mouth resuscitation. Seek medical attention immediately.
- Eyes: Immediately flush eyes with water for at least 15 minutes. Flushing eyes within 1 minute of exposure is essential for maximum effectiveness. Seek medical attention immediately.

Health studies have shown that health risks vary from person to person. As a precaution exposure to liquids, vapors, misty fumes or dust should be minimized.

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**VI. REACTIVITY DATA**

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- Hazardous Polymerization: Will not occur.
- Stability: Stable.
- Incompatibility: Chlorinated and fluorinated Hydrocarbons
- Hazardous Decomposition Products: Will not decompose

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**VII. SPILL OR LEAK PROCEDURES**

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Steps to be taken in case material is released or spilled:

Spills should be contained and cleaned up immediately. Place material into a suitable disposal drum or container. Dispose of in accordance with all local, state, and federal regulations.

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**VIII. PROTECTION AND PRECAUTIONS**

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Respiratory Protection: NIOSH approved respirator for particulates. Ventilate as needed.

Ventilation: General mechanical ventilation or local exhaust.

Protective Gloves: Neoprene.

Eye Protection: Safety glasses or goggles.

Other Protective Equipment: Protective clothing may be worn in dusty areas, but is generally not required.

STORE IN COOL, DRY, AND WELL VENTILATED AREA. PROTECT FROM HUMIDITY.  
KEEP CONTAINERS TIGHTLY CLOSED.

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**IX. PRECAUTIONS OR OTHER COMMENTS**

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Precautions to be taken in handling and storing: Maintain good housekeeping. Avoid contact with eyes. Wash thoroughly after handling. Use with adequate ventilation.

The information and recommendations accumulated herein are to the best of Laidlaw's knowledge and belief, accurate and reliable as of the date issued. Laidlaw does not warrant or guarantee their accuracy or reliability, and shall not be liable for any loss or damage arising out of the use thereof.

HMIS and NFPA recommended ratings are based upon the criteria supplied by the developers of these rating systems together with Laidlaw's interpretation of the available data.