SHEPARD BROS. INC.
MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1. COMPANY AND PRODUCT IDENTIFICATION:

MANUFACTURER'S NAME: Shepard Bros., Inc.	EMERGENCY TELEPHONE NUMBER (Chemtrec): (800) 424 – 9300
ADDRESS: 503 S. Cypress St. La Habra, CA 90631	TELEPHONE NUMBER FOR INFO: (562) 697-1366
DATE PREPARED: 1/22/10	FAX NO. (562) 697-5786
PRODUCT NAME: **SHEAR 201**	DESCRIPTION: Heavy duty C.I.P

SECTION 2. HAZARDS IDENTIFICATION:

I. EMERGENCY OVERVIEW

Danger! Corrosive. Causes eye and skin burns.
May cause severe respiratory tract irritation with possible burns. May cause severe digestive tract irritation with possible burns.
*Target Organs: *Eyes, skin, mucous membranes.

II. POTENTIAL HEALTH EFFECTS

INHALATION: Caustic dust can cause burns of mucous membranes, throat, esophagus, and stomach.

SKIN CONTACT: Can cause severe dermatitis, destruction, and skin burns. Corrosive to all body tissues by all routes of exposure.

EYE CONTACT: Causes rapid tissue damage, which can lead to permanent damage.

INGESTION: Causes severe burning of mouth, throat and stomach.

CHRONIC EFFECTS AND MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Chronic effects and medical conditions aggravated by overexposure to this product have not been established.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS:

The identity of individual components of this mixture is proprietary information and regarded to be a trade secret. However, based on the health hazard determination of ingredients present at a concentration greater than 1% and 0.1% or more of a carcinogenic substance, this mixture presents the following hazard:

HAZARDOUS COMPONENTS	% (RANGE)	CAS NO.	OSHA PEL	ACGIH TLV
Sodium Hydroxide	40 - 50	1310-73-2	2 mg/m^3	2 mg/m^3 Ceiling

SECTION 4. FIRST AID MEASURES:

INHALATION: Immediately move victim to fresh air. Give artificial respiration if breathing has stopped. Get medical attention immediately.

SKIN: Immediately flush the area with flowing water for at least 15 minutes, while removing contaminated clothing. Wash the area with a nonabrasive soap and plenty of water. Wash clothing separately before reuse.

EYES: Immediately flush with plenty of water, alternately lifting the upper and lower eyelids. If appropriate, after 5 minutes, remove contact lenses and continue flushing the eyes for an additional 15 minutes. Get medical attention if irritation persists.

INGESTION: Drink 2-3 glasses of water. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. Get prompt medical attention.

SECTION 5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: Foam, CO_2, water fog, sand/earth

UNUSUAL FIRE AND EXPLOSION HAZARDS: Will react with metals; i.e. aluminum, tin, zinc to release flammable hydrogen gas.

SPECIAL FIRE FIGHTING PROCEDURES: Must wear NIOSH approved or equivalent self-contained breathing apparatus and protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Isolate area and eliminate all ignition sources. Wear appropriate protective equipment and clothing during clean-up. Contain spill using an inert diking material. Transfer material into an approved container for possible recovery and reuse or for disposal. Keep product out of sewers, watersheds, and water systems.

SECTION 7. HANDLING AND STORAGE:

USAGE PRECAUTIONS: Use as directed. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.

STORAGE PRECAUTIONS: It is recommended that this material be stored in a cool area. Protect containers against damage. Keep closed until used. Store away from heat, sparks, open flame or sunlight. Keep out of reach of children.

OTHER PRECAUTIONS: not applicable

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

ENGINEERING CONTROLS: Ensure adequate ventilation. Local exhaust is suggested for use in enclosed or confined areas.

RESPIRATORY PROTECTION: Avoid breathing vapors and mists. If ventilation is not sufficient to effectively prevent buildup of vapors or mists and the exposure limit is exceeded, use a NIOSH/MSHA approved respirator, with a full-facepiece or a full-facepiece respirator with organic vapor cartridges.

SKIN PROTECTION: Wear rubber, neoprene, or nitrile gloves, and chemically resistant protective clothing, e.g, apron, or jump-suit and rubber boots.

EYE PROTECTION: Wear chemical splash goggles and a full-face shield where there is potential for eye contact. An eyewash fountain should be located in areas where the product is used.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES:

FLASH POINT: NA
BOILING POINT: NA
MELTING POINT: <32°F
VAPOR PRESSURE (mm Hg): ND
% VOLATILE BY VOLUME: ND
SPECIFIC GRAVITY: 1.49
BULK DENSITY: NA
APPEARANCE: Transparent, colorless liquid
ODOR / TASTE: Odorless
SOLUBILITY IN WATER: Complete
pH at 25°C: >12
VISCOSITY: NA

SECTION 10. STABILITY AND REACTIVITY:

STABILITY _____Unstable __X___Stable

INCOMPATIBILITY *(Materials to Avoid):* Acids, flammable liquids, and organic halogenated compounds.

HAZARDOUS DECOMPOSITION PRODUCTS: High temperatures and fire conditions can result in the formation of toxic carbon monoxide, carbon dioxide, and oxides of phosphorous.

HAZARDOUS POLYMERIZATION: _____MAY OCCUR ____X____ WILL NOT OCCUR

CONDITIONS TO AVOID: High temperatures and incompatibles.

SECTION 11. TOXICOLOGICAL INFORMATION:

Toxicological data is not available.

SECTION 12. ECOLOGICAL INFORMATION:

Ecological data is not available.

SECTION 13. DISPOSAL CONSIDERATIONS:

Collect and dispose of in accordance with Federal, State and Local laws and regulations.

SECTION 14. TRANSPORT INFORMATION:

DOT

DOT Proper Shipping Name: Sodium Hydroxide Solution, 8, UN1824, PG II

SECTION 15. REGULATORY INFORMATION:

This product is not considered a carcinogen or cancer suspect under NTP, IARC and OSHA.

SARA (Superfund Amendments and Reauthorization Act of 1986), Title III, Section 313 (Toxic Chemicals):
None

SARA (Superfund Amendments and Reauthorization Act of 1986), Title III, Section 302 (Extremely Hazardous Substances):
None

SUPERFUND REPORTABLE QUANTITY: Sodium Hydroxide (1310-73-2) (RQ = 1,000 lbs).

CALIFORNIA/OSHA DIRECTOR'S LIST OF HAZARDOUS SUBSTANCES (8 CCR 339): Sodium Hydroxide (1310-73-2),

CALIFORNIA PROPOSITION 65: None

Label: Corrosive

NFPA RATING: Health: 3 Fire: 0 Reactivity: 1

SECTION 16. OTHER INFORMATION:

SUPERSEDES: MSDS issued on 4/13/09

NA: not applicable ND: not determined

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