

MATERIAL SAFETY DATA SHEET

LW-306

CRW Finishing, Inc.

1470 Jeffrey Drive
Addison, IL 60101
Phone (630) 495-4994
Fax (630) 495-7023

24 Hr Emergency Telephone

CHEMTREC: (800) 424-9300

Date : 12/2008

I. PRODUCT NAME

LW-306

II. DEPARTMENT OF TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Corrosive Liquid, Basic, Inorganic, N.O.S. (Potassium Hydroxide)
HAZARD CLASS: 8, PGII, ERG#154
IDENTIFICATION NUMBER: UN 3266

III. INGREDIENTS % AND TOXICITY INFORMATION

<u>Ingredient</u>	<u>CAS No</u>	<u>%</u>	<u>Recommended Exposure And Toxicity Limits</u>
Potassium Hydroxide	1310-58-3	<5	TLV 3 MG/M, (Ceiling Limit) (ACGIH)
Sodium Nitrite	7632-00-0	<2	Oral (LD50): Accute: 180 MG/KG (Rat) 175 MG/KG (Mouse)
Silicic Acid Sodium Sale	1312-761-	<8	TLV N/E

IV. PHYSICAL DATA

BOILING POINT: 200° + F
SPECIFIC GRAVITY (Water=1): 1.150 ± 0.008
pH: (1% sol.) >10
VAPOR PRESSURE (mm Hg): NA
VAPOR DENSITY (Air=1): NA
SOLUBILITY IN WATER: Complete
% VOLATILE BY VOL: NA
EVAPORATION RATE (Butyl Acetate=1): >1
APPEARANCE AND ODOR : Clear, Lt Amber, Mild Odor PAGE

PRODUCT NAME: LW-306

V. HEALTH HAZARD INFORMATION

EFFECTS OF OVER EXPOSURE: Corrosive to all Tissues

INHALATION: Inhalation of dust or mist of this product can cause mild irritation at 3 MG/M3. More severe burns and tissue damage at the upper respiratory tract can occur at higher concentrations. Pneumonitis can result from severe exposures.

INGESTION: Ingestion can cause severe burning and pain in lips, mouth, tongue, throat and stomach. Severe scarring of the throat can occur after swallowing. Death can result from ingestion.

SKIN CONTACT: Major potential hazard – contact with skin can cause severe burns with deep ulcerations. Contact with dust or mist can cause multiple burns with temporary loss of hair at burn site.

EYE CONTACT: Major potential hazard – In Eyes, can cause severe destruction blindness. These effects can occur rapidly affecting all parts of the eye. Mist or Dust can cause irritation with high concentrations causing destructive burns.

HMIS RATING :

Health.....	2
Flammability	0
Reactivity	0
Personal Protection	J

4 - Severe Hazard 3 - Serious Hazard
2 - Moderate Hazard 1 - Slight Hazard
0 - Minimal Hazard
H - Splash goggles, gloves, synthetic apron, vapor respirator
J - Splash goggles, gloves, synthetic apron, vapor & dust respirator

HEALTH NOTE: None

VI. EMERGENCY AND FIRST AID PROCEDURES

FIRST AID: Remove yourself from the source of contamination. The chemicals must be rinsed immediately from the affected areas. Ask for help if you need any assistance.

EYES: Immediately flush eyes with cool potable water for at least 20 minutes. Look up, down and side to side, while flushing to insure thorough rinse. Contact a physician. Do NOT rub eyes. Do NOT keep eyes tightly closed. Do NOT use hot water to rinse. Do NOT use any oil or ointments in the eye(s) without medical advice.

SKIN: Quickly remove clothing and jewelry from the affected area, while flushing the affected area with cool potable water for at least 15 minutes. Do not use hot water to rinse. Do not rub or apply pressure to affected area. Do not remove skin or break open blisters. If clothing is stuck to the affected area after flushing with water, do not remove clothing. Dry skin gently with a clean soft towel. Contact a physician.

INHALATION: Move to fresh air. Blow your nose gently to remove as much substance as possible. Contact a physician.

INGESTION: Call a physician. If swallowed, drink large quantities of water to dilute caustic. Do not induce vomiting. Do NOT give anything by mouth to an unconscious or convulsing person.

GET MEDICAL ATTENTION IMMEDIATELY.

NOTE TO PHYSICIAN: Material is corrosive to all tissues

PRODUCT NAME: LW-306

VII. SPILL OR LEAK PROCEDURE

STEPS TO TAKE IF MATERIAL IS SPILLED OR RELEASED: Trained personnel wearing appropriate safety equipment should confine spill to a small area and remove all incompatibilities. Spread clay or sand to absorb solution. Shovel completely into a clean dry and approved container. Neutralize area with vinegar. Flush with water, then mop up or wet vacuum. Dispose of waste as local codes permit.

WASTE DISPOSAL METHOD: Send to waste disposal site as local codes permit.

SARA REPORTING INFORMATION: This product does not contain any chemicals subject to the reporting requirements of section 313 of title III of the superfund amendments and reauthorization act of 1986 and 40 cfr part 372.

VIII. FIRE AND EXPLOSION DATA

FLASH POINT (Test Method): None

SPECIAL FIRE FIGHTING PROCEDURES: Wear self contained breathing apparatus, chemically resistant clothing and full protective equipment.

IX. REACTIVITY DATA

STABILITY: Good

CONDITIONS TO AVOID: Do Not Freeze

HAZARDOUS POLYMERIZATION: Will Not Occur

CONDITIONS TO AVOID: None

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon as well as Hydrogen Gas

X. SPECIAL PROTECTION INFORMATION

VENTILATION: Use adequate local exhaust ventilation, where mist, vapors etc., from this product may be generated, to maintain exposure below recommended values.

RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY: If spray vapors, dust, etc. from this product are present, wear the correct NIOSH/OSHA approved respiratory equipment, depending on the degree of exposure.

EYES: Do not wear contact lenses. Wear NIOSH/OSHA approved splash goggles.

GLOVES: Rubber

OTHER PROTECTIVE EQUIPMENT: To prevent contact with skin wear face shield, impervious clothing and safety boots depending on degree of exposure.

PRODUCT NAME: LW-306

XI. HANDLING & PERSONAL HYGIENE

PRECAUTIONS: DANGER: Strong Liquid alkaline product that contains caustic alkali. Causes severe chemical burns. Do not contact eyes, skin, or clothing. Do not take internally.

HANDLING: Do not use this product before thoroughly reading the material safety data sheet and consulting with your sales representative. When handling, wear safety goggles, face shield, rubber gloves, respirator, and chemical resistant clothing depending on the degree of exposure.

PERSONAL HYGIENE: Use fresh clothing daily. When clothing or shoes become contaminated, remove at once and launder before re-use. If laundering is not effective, discard the article of clothing. Bathe after work using plenty of soap and water.

XII. STORAGE PROCEDURES

FOR BEST RESULTS:

- (1) Store in cool dry place
- (2) Store in original container with lid tightly closed
- (3) DO NOT CUT, MUTILATE, OR RE-USE CONTAINER.
- (4) Consult your sales representative before using this product.

FOR INDUSTRIAL USE ONLY KEEP OUT OF REACH OF CHILDREN

ABBREVIATIONS

DNA	Does Not Apply
NA	Not Available
NOT EST	Not Established
TLV	Threshold Limit Value (8 hours exposure)
TWA	Total Weighted Average
STEL	Short Term Exposure Limit (10-20 minute exposure)
PEL	Permissible Exposure Limit
OSHA	Occupational Safety and Health Administration
ACGIH	American Conference of Governmental Industrial Hygienists
LD50	Lethal Dose that Causes Half of the Animals in the Study to Die
LC50	Lethal Concentration of Gases and Vapors in the Air that Causes Half of the Animals in the Study to Die