

808X BLACK ENCRUSTATION REMOVER

SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER'S NAME AND ADDRESS: DIEDRICH TECHNOLOGIES INC.
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PRODUCT NAME: 808X BLACK ENCRUSTATION REMOVER **01-08**

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NO.	NFPA CODE	TLV	PEL
Sodium Hydroxide	1310-73-2	3/0/0/-	2mg/m ³	2mg/m ³

SPECIFIC CHEMICAL IDENTITY AND PERCENTAGE CONTENT OF INGREDIENTS WITHHELD AS TRADE SECRET PURSUANT TO MASSACHUSETTS REGULATIONS. REPORTING REQUIREMENTS OF SECTION 313 TITLE III OF THE SUPERFUND

SECTION III - PHYSICAL DATA

BOILING POINT (°F): 288° F
VAPOR PRESSURE (mmHg): 1mmHg
VAPOR DENSITY (Air=1): 1
SOLUBILITY IN WATER: Complete

SPECIFIC GRAVITY (H₂O=1): 1.27
% VOLATILE (by weight): 50
EVAPORATION RATE (Ether=1): 0.925
APPEARANCE AND ODOR: Very viscous, yellow semi-paste gel. Very little odor.

VOLATILE ORGANIC COMPONENTS: N.A.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: None
EXTINGUISHING MEDIA: N/A
SPECIAL FIRE FIGHTING PROCEDURES: Use NIOSH/HSHA approved air supplied breathing apparatus. Cool with water exposed containers, surrounding equipment and structures exposed to fire.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Contact with aluminum, magnesium, copper, zinc, tin, brass and bronze can cause a reaction generating hydrogen gas which is flammable and/or explosive if ignited.

FLAMMABLE LIMITS: LEL = N/A UEL = N/A

SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE: Inhalation, skin, eyes, ingestion.
CARCINOGENIC INFORMATION: Not listed (OSHA, IARC, NTP).
MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: No applicable information to be found

EFFECTS OF OVEREXPOSURE: Corrosive to exposed tissue, burns and deep ulcerations can frequently result.
EYE CONTACT: Causes sever burns; even small quantities can result in permanent damage and/or blindness.
SKIN CONTACT: Corrosive action causes burns and frequent deep ulcerations with subsequent scarring. Prolonged



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contact destroys tissue. Mist from solutions can cause irritant dermatitis.

INHALATION: Inhalation of mists can cause damage to upper respiratory tract and lung tissue depending on extent of exposure. Effects can range from mild irritation of mucous membranes, severe pneumonitis, and destruction of lung tissue.

INGESTION: . Ingestion can cause very serious damage to mouth, esophagus, stomach and other tissues with contact is made and can be fatal.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids open during this flushing. For maximum effectiveness washing must start within one minute. Seek immediate medical assistance.

SKIN CONTACT: Flush with water for at least 15 minutes. A slippery feeling on skin indicates caustic may still be present and cause a rash or burn. Follow immediately with a rinse of vinegar or diluted acetic acid. Apply antibiotic cream to prevent infection. Contaminated clothing must be laundered before reuse and shoes should be discarded.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call or take to a physician immediately.

INGESTION: If conscious, drink large quantities of water or acidic beverages (tomato, orange juice, carbonated soft drinks). Do not induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration of liquid into lungs, administer additional water. Take immediately to a hospital or physician.

SECTION VI - REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Contact with acids, aluminum, zinc, tin, copper and alloys of these metals.

INCOMPATIBILITY (Materials to Avoid): Mixing with acids, ammonium containing solutions and any active metal such as zinc, aluminum, copper, brass, bronze and alloys of these metals. Avoid contact with leather, wool, oxidizing agents and nitrates.

HAZARDOUS/THERMAL DECOMPOSITION PRODUCTS: May produce explosive hydrogen.

SECTION VII - SPILL OR LEAK PROCEDURES

SPILL, LEAK AND WASTE DISPOSAL PROCEDURES:

Dike areas to contain spill. Sweep or shovel spillage and return to container, reuse spill material if possible. Neutralize remaining residue and flush area with water until slipperiness is gone. Soak up water with sweeping compound or absorbent material and place in sealable container, or use Diedrich Neutra-Soak "C" for caustics as diking, containment, collection and neutralization agent.

WASTE DISPOSAL METHODS: Neutralize alkalinity and separate floatable greases and oils for incineration or disposal at appropriate disposal site. Discharge neutralized water in accordance with federal, state and local regulations. Dispose of in a suitable chemical waste disposal site.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:



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Use a NIOSH/MSHA approved dust/mist filter respirator for routine work purposes when exposure to mists exceed the permissible exposure limits. The respirator use limitations made by NIOSH/MSHA or the manufacturer must be observed

VENTILATION:

Local exhaust sufficient to minimize exposure to mist below permissible exposure limits.

PROTECTIVE CLOTHING:

Protect all body parts from contact by using full chemical resistant suit with tight fitting cuffs and collar, rubber boots and full face shield.

PROTECTIVE GLOVES:

Gloves should be rubber, PVC or neoprene.

EYE PROTECTION:

Close fitting safety chemical goggles and full face shield must be worn.

OTHER PROTECTIVE EQUIPMENT:

Apply Diedrich recommended skin barrier cream for additional protection. Solvent resistant boots and hardhat. Safety shower and eyewash or fresh running water close at hand at all times.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Freezes at about 32°F. Keep away from heat, sparks, and open flames. Avoid open containers. Do not store in hot areas. Add cautiously to cool water with agitation, heat is evolved. Treat empty containers as if they were full.

OTHER PRECAUTIONS:

Do not store in or pipe through any materials listed in Sec. VI, use only approved plastic.

LEGENDS:

0 = LEAST

1 = SLIGHT

2 = MODERATE

3 = HIGH

4 = EXTREME

N.D. = NOT DETERMINED

N.A. = NOT AVAILABLE

N/A = NOT APPLICABLE

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