

MATERIAL SAFETY DATA SHEET

1. (DO32N-DO64) DRAIN OUT 2. (DE32N-DE64N) DRAIN OUT EXTRA

Iron Out, Inc.
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IRON OUT, INC.
1515 Dividend Road
Fort Wayne, IN 46808-1126
1-800-654-0791

HMIS INFORMATION

Health: 3
Flammability: 0
Reactivity: 1

In case of emergency call: CHEMTREC 1-800-424-9300

SECTION 1: PRODUCT INFORMATION

TRADE NAME: 1. Drain Out
2. Drain Out Extra

DESCRIPTION: Liquid Mixture

DOT PROPER SHIPPING NAME: Non Regulated Material

SECTION 2: HAZARDOUS INGREDIENTS

	<u>CAS#</u>	<u>PEL</u>	<u>TLV</u>
Potassium Hydroxide	1310-58-3	N/A	C2mg/m ³
Sodium Hypochlorite	7681-52-9	N/A	N/A

C-Indicates Ceiling Value

SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE, COLOR, ODOR: Light yellow-green liquid/pungent like chlorine

BOILING POINT: 250°F

VAPOR PRESSURE: (mmHg): 2

VAPOR DENSITY: (AIR=1): NA

EVAPORATION RATE: (water=1): NA

SOLUBILITY IN WATER: Complete

SP. GRAVITY: (water=1): 1.45

PERCENT VOLATILE: 50%

ND=NO DATA NA = NOT APPLICABLE

SECTION 4: FIRE AND EXPLOSION HAZARD

FLASH POINT AND METHOD USED: Non-flammable

EXTINGUISHING MEDIA: Use media suitable for surrounding fire.

FIRE FIGHT PROCEDURES: Avoid fumes from spill. Acid contamination will produce very irritating fumes similar to chlorine gas.

EXPLOSION HAZARD: Material is corrosive to all human tissue. Reaction with zinc, aluminum, tin and other active metals may liberate flammable hydrogen gas.

SECTION 5: CHEMICAL REACTIVITY

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Avoid contamination with acids on metals such as zinc, tin, and aluminum.

CHEMICAL INCOMPATIBILITIES: Organic chemicals, reducing agents, ether, and ammonia.

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SECTION 6: CHRONIC TOXICITY

CARCINOGEN STATUS: No reports of carcinogenicity found in NTP, IARC, OSHA lists or on ingredients MSDS's.

CHRONIC HEALTH EFFECTS: Upper respiratory irritant.

SECTION 7: ACUTE HEALTH HAZARDS

EYE AND SKIN CONTACT: Severe irritation upon contact.

INHALATION: Mist may cause respiratory tract irritation.

INGESTION: Damages throat and gastro-intestinal tract.

MEDICAL CONDITIONS EXACERBATED BY OVEREXPOSURE: Lung diseases

SECTION 8: FIRST AID

EYE AND SKIN CONTACT: Flush affected areas with copious amounts of water for 15 minutes. Remove any contaminate clothing.

INHALATION: Remove to fresh air - get medical attention.

INGESTION (SWALLOWING): **DO NOT INDUCE VOMITING**; call a physician or call your local Poison Control Center.

SECTION 9: HANDLING AND STORAGE

STORAGE & HANDLING: Store in vented, closed, clean containers in cool dry area. The area should be free of any potential contact with acids, organics, and related metals. If closed containers become heated, they should be vented to release decomposition products (mainly oxygen).

SAFE DISPOSAL: Neutralize and dispose of according to Federal, State, and Local regulations.

IN CASE OF A SPILL: Contain and neutralize. Protective clothing and equipment must be worn by clean-up personnel. Sawdust should not be used to absorb hypochlorite.

SECTION 10: CONTROL MEASURES

PROTECTIVE EQUIPMENT: Use apparel made of rubber material. Do not use leather or wool. Splash goggles or face shield is recommended.

VENTILATION: Provide adequate ventilation to comply with exposure health limits.

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