

Material Safety Data Sheet
Oreck Open Up

Oreck Floor Care
13231 Champions Forest Dr. Suite 404
Houston, TX 77069
Emergency Phone Number: 281-866-0027

DATE PREPARED: 12/12/2012
REVISION DATE: 12/09/2013
CHEM-TEL: 800-225-3924
PRODUCT NUMBER: 3000

SECTION I - IDENTIFICATION

PRODUCT NAME: Oreck Open Up
PRODUCT CODE: 3000
PRODUCT USE: Drain Opener

SECTION II – COMPOSITION/HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	OSHA PEL	ACGIH TLV
Sodium Hydroxide	1310-73-2	2 mg/m3	2 mg/m3

SECTION III – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Danger! Highly corrosive material. Causes severe burns to respiratory tract, skin, eyes and gastrointestinal tract. Causes permanent eye damage.

ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin

EYES: Causes severe burns, irritation, redness, tearing, pain, may result in loss of sight.

INGESTION: Will cause extensive damage to tissue and may be fatal.

INHALATION: May cause irritation (possibly severe), chemical burns, upper respiratory damage, and pulmonary edema

SKIN: Causes severe burns. prolonged contact will destroy tissue. Burns may not be immediately painful.

MEDICAL CONDITION AGGRAVATED: Asthma, bronchitis, emphysema and other lung diseases and chronic nose, sinus or throat conditions. Skin irritation may be aggravated in individuals with existing skin disorders.

CHRONIC HEALTH HAZARDS: Sodium hydroxide may produce inflammation of the eyes, skin, and mucous membranes.

CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: No OTHER: No

SECTION IV - FIRST AID MEASURES

EYES: Immediately flush with water for 15 minutes while holding eyelids open. Seek immediate medical attention. Do not transport victim until the recommended flushing period is completed unless flushing can be continued during transport.

INGESTION: Do not induce vomiting. Rinse mouth out with water. Drink large quantities (1 qt, 2-4 glasses) of water. Seek immediate medical attention.

INHALATION: Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration. Keep person warm, quiet and seek immediate medical attention. Do not use mouth-to-mouth method if victim ingested or inhaled product: use aid of pocket mask equipped with one way valve or other respiratory medical device.

SKIN: Immediately flush skin with lukewarm water for at least 20 minutes up to 60 minutes if necessary. Remove contaminated clothing, jewelry, and shoes. Seek medical attention immediately. Wash or discard contaminated clothing and shoes before reusing.

NOTE TO PHYSICIAN: The absence of visible signs or symptoms of burns does not reliably exclude the presence of actual tissue damage.

SECTION V – FIRE-FIGHTING MEASURES

FLASH POINT: Not Tested

FLAMMABLE LIMITS IN AIR, (% BY VOLUME) UPPER: N/A **LOWER:** N/A

EXTINGUISHING MEDIA: Use appropriate media for surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Use water spray only to cool exposed containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contact with some metals, particularly magnesium, aluminum, and galvanized zinc can generate hydrogen gas rapidly which is explosive.

HAZARDOUS COMBUSTION PRODUCTS: None known

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SECTION VI – ACCIDENTAL RELEASE MEASURES

SPILL: Dike area to contain spill. Dilute spill with large quantities of water and then neutralize with a dilute acid. flush area with water until clean. wear ppe equipment:safety goggles, chemical resistant clothing, and gloves

WASTE DISPOSAL: Dispose of in accordance with all local, state and federal environmental rules and regulations. Check the pH of the waste to be disposed, if it is greater than 12.5 it must be handled as a RCRA hazardous waste. May be subject to disposal regulations: U.S. EPA 40 CFR 261. Hazardous waste Number(s): D002

RCRA STATUS: Waste likely considered Hazardous Waste D002 (Corrosive waste) due to the pH of the solution and the corrosive characteristic.

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Store in a cool dry area. Do not allow materials to contact organic materials or strong acids. Replace cap on container after each use. Keep away from children. Wear protective clothing when using. Avoid breathing vapor or mist. Do not get on skin, clothing, or in eyes.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS / VENTILATION: Provide local exhaust ventilation where dust or mist may be generated. Ensure compliance with applicable limits.

RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved organic vapor respiratory protection.

PROTECTIVE CLOTHING: Chemical resistant rubber or neoprene apron and chemically resistant boots to avoid skin and clothing contact.

ADDITIONAL MEASURES: Wash hands thoroughly with soap and water after use. Use good industrial hygiene practices.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Red Liquid	ODOR: No distinct odor
PHYSICAL STATE: Liquid	BOILING POINT: >238° F
FREEZING POINT: Not Tested	VAPOR PRESSURE (mm Hg): 1 @ 77°F (25°C)
VAPOR DENSITY (AIR=1): N/A	SPECIFIC GRAVITY (H2O=1): 1.38 @ 77°F (25°C)
pH: 11.15	SOLUBILITY IN WATER: 100%
VOLATILITY INCLUDING WATER (%): 50 %	

SECTION X – STABILITY AND REACTIVITY DATA

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: Extremes of hot and cold.

INCOMPATIBILITY: Organic materials, concentrated acids metal. May react with certain food sugars.

HAZARDOUS DECOMPOSITION OR BY-PRODUCT: Some metals can release oxides of phosphorus and release hydrogen gas which can be explosive

HAZARDOUS POLYMERIZATION: Will not occur

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Sodium Hydroxide (1310-73-2) LD₅₀ (Oral, Rabbit) 400 mg/kg

SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Sodium Hydroxide (1310-73-2) LC₅₀ (Bluegill Sunfish, 48hr) 99 mg/L; (Mosquito Fish 96hr) 125 mg/L; (Brown Shrimp, 48hr) 30-100 mg/L; (Brook Trout, 24hr) 25 ppm

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SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with all local, state and federal environmental rules and regulations. Check the pH of the waste to be disposed, if it is greater than 12.5 it must be handled as a RCRA hazardous waste. May be subject to disposal regulations: U.S. EPA 40 CFR 261. Hazardous waste Number(s): D002

RCRA STATUS: Waste likely considered Hazardous Waste D002 (Corrosive waste) due to the pH of the solution and the corrosive characteristic.

SECTION XIV - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Sodium Hydroxide Solution

HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN 1824

PACKAGING GROUP: II

AIR SHIPMENT

PROPER SHIPPING NAME: Sodium Hydroxide Solution

HAZARD CLASS/DIVISION: 8

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PACKAGING GROUP: II

SHIPPING BY WATER:

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Sodium Hydroxide Solution

HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN 1824

PACKAGING GROUP: II

NOTE:

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All Chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Chemical Name: Sodium Hydroxide
RQ: 1,000 lb Category C

SARA 311/312 HAZARD CATEGORIES: Acute Health Hazard, Reactive Hazard.

SARA 313 REPORTABLE INGREDIENTS: None

STATE REGULATIONS: California Proposition 65: None Sodium hydroxide - Illinois toxic substances disclosure to employee act; Illinois chemical safety act; New York release reporting list; Rhode Island RTK hazardous substances; Pennsylvania RTK; Minnesota; Massachusetts RTK; New Jersey;

Louisiana spill reporting

INTERNATIONAL REGULATIONS: WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC). CLASS E: Corrosive liquid.

NFPA HEALTH: 3

HMIS HEALTH: 3

NFPA FLAMMABILITY: 0

HMIS FLAMMABILITY: 0

NFPA REACTIVITY: 2

HMIS REACTIVITY: 2

NFPA OTHER:

HMIS PROTECTION: B

SECTION XVI - ADDITIONAL INFORMATION

PREPARATION BY: John Holdren

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