

3141 Clifty Drive ● Madison, IN 47250

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

NAME: MACHINE-GARD® 230W

TYPE: Alkaline Cleaner

PRODUCT # 769401

FOR INDUSTRIAL USE ONLY - KEEP OUT OF THE REACH OF CHILDREN

EMERGENCY RESPONSE INFORMATION:

CHEMTREC 800-424-9300 24-Hour Service Company Offices: 812-273-6000 Weekdays

Cara Cyrus: 812-599-3611 Evenings and Weekends Bill Torline: 812-599-4976 Evenings and Weekends

PREPARED DATE: 10-18-16 PREPARED BY: Natalie Green

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification Corrosive to Metals Category 1 H290

Skin Corrosion/Irritation Category 1A H314
Serious Eye Damage/Eye Irritation Category 1 H318
Aquatic Toxicity (Chronic) Category 4 H413

Signal Word DANGER

Symbol



Hazard Statements H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H413 May cause long lasting harmful effects to aquatic life.

Precautionary Statements P234 Keep only in original container.

P264 Wash hands, forearms, and exposed areas thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear eye protection, face protection, protective clothing, protective gloves. P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin

with water/shower.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. P321 Specific treatment (see Section 4).

P363 Wash contaminated clothing before reuseP390 Absorb spillage to prevent material damage.

P405 Store locked up.

P406 Store in corrosive resistant container with a resistant inner liner.

P501 Dispose of contents / container according to local, regional, national and international regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT SYNONYM CAS NO. % BY WEIGHT

Sodium hydroxide Caustic soda 1310-73-2 10 - 20

*If Chemical Name/CAS No is "proprietary" and/or % By Weight is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret."

SECTION 4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES:

EYES: Immediately flush with large quantities of cool water continuously for at least 15 minutes. Call a

physician.

SKIN: Immediately flush with large quantities of cool water continuously for at least 15 minutes. Call a

physician. Remove contaminated clothing and shoes. Do not put contaminated clothing and shoes back on. Wash clothing and shoes thoroughly in soap and water; rinse repeatedly in clean water and dry

before reuse.

INGESTION: If conscious, immediately give large quantities of water. DO NOT INDUCE VOMITING. Call a physician

at once. DO NOT give anything by mouth if the person is unconscious or if having convulsions.

INHALATION: Remove subject to fresh air. Give artificial respiration if necessary. Get medical attention immediately.

PRIMARY ROUTE(S) OF ENTRY: Eyes, skin, inhalation.

MOST IMPORTANT SYMPTOMS / EFFECTS, ACUTE AND DELAYED:

EYE CONTACT: Causes serious eye damage.
SKIN CONTACT: Corrosive. Causes burns.
INGESTION: May be harmful if swallowed.

INHALATION: Causes burns to alimentary canal and mucous membranes.

CHRONIC SYMPTOMS: None expected under normal conditions of use.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY:

If you experience any of the symptoms / effects listed above seek medical advice.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Use extinguishing media as appropriate for surrounding fire.

SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Not considered flammable or explosive. Hazardous reactions will not occur under normal conditions.

ADVICE FOR FIRE FIGHTERS:

Wear self-contained breathing apparatus and full protective clothing. Use water spray to keep containers cool.

Hazardous Combustion Products: Carbon dioxide, carbon monoxide.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:

Avoid all contact with skin, eyes and clothing. Avoid breathing vapors. Wear nitrile, neoprene, or natural rubber gloves. Goggles and faceshield necessary. Wear suitable protective clothing. Use NIOSH / MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Contain liquid spills with sand and absorb on inert material. Dispose with solid waste. See Waste Disposal Method. Ventilate area. Do not discharge to sewers or waterways without proper treatment.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Wear proper safety equipment when handling this product. Handle in accordance with good industrial hygiene and safety procedures.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES:

Normal for alkaline materials. Store away from acids. Keep container closed when not in use.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

ACGIH TLV CHEMICAL IDENTITY CAS NO. **OSHA PEL** Sodium hydroxide 1310-73-2 2 mg / M3* 2 mg / M3*

*Denotes ceiling limit.

ENGINEERING CONTROLS:

Use good ventilation. Local exhaust is recommended if TLVs are exceeded.

INDIVIDUAL PROTECTION MEASURES:

Selection of personal protective equipment should be based upon the anticipated exposure and made in accordance with OSHA's Personal Protective Equipment Standard found in 29 CFR 1910 Subpart I. The following information may be used to assist in PPE selection.

RESPIRATORY PROTECTION:

In absence of proper environmental control, use NIOSH / MSHA approved respirator for dusts and mists where airborne exposure is excessive.

SKIN PROTECTION:

Nitrile, neoprene or natural rubber gloves. Rubber apron and rubber boots required. Other equipment as required to avoid contact.

EYE PROTECTION:

APPEARANCE:

Goggles and faceshield necessary.

GENERAL HYGIENE CONSIDERATIONS:

Eyewash facility and emergency shower should be in close proximity. Always wash hands after handling any chemical.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Brown, liquid. Ammoniacal ODOR: **ODOR THRESHOLD:** Not available. pH (100%): 14.8 - 15.2MELTING POINT/FREEZING POINT Not available INITIAL BOILING POINT AND BOILING RANGE 240°F (115.5°C) FLASH POINT (METHOD USED) None Not available. **EVAPORATION RATE** FLAMMABILITY (SOLID, GAS) Not available. UPPER/LOWER FLAMMABLE OR EXPLOSIVE LIMIT Not available. Not available. **VAPOR PRESSURE VAPOR DENSITY** Not available. **SPECIFIC GRAVITY** 1.21 **SOLUBILITY IN WATER** Complete. PARTITION COEFFICIENT: N-OCTANOL/WATER Not available. Not available. **AUTO-IGNITION TEMPERATURE** Not available. VISCOSITY, DYNAMIC **DECOMPOSITION TEMPERATURE** Not available. VISCOSITY Not available.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Hazardous reactions will not occur under normal conditions.

CHEMICAL STABILITY: Stable under recommended handling and storage conditions (see Section 7).

POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous polymerization will not occur.

CONDITIONS TO AVOID: No data found.

INCOMPATIBLE MATERIALS: Aluminum, tin, zinc, and their alloys; strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide.

SECTION 11: TOXOLOGICAL INFORMATION

ACUTE TOXICITY: Not classified.

LD50 AND LC50 DATA: Not available.

ROUTES OF EXPOSURE / SYMPTOMS

EYES: DANGER! Causes burns.

SKIN: DANGER! Causes burns.

INGESTION: WARNING! May be harmful if swallowed.

INHALATION: WARNING! Causes burns to alimentary canal and mucous membranes.

GERM CELL MUTAGENICITY: Not classified.

TERATOGENICITY: Not available.

CHRONIC EFFECTS / This material contains no ingredient above de minimus concentrations known or suspected to cause

CARCINOGENICITY: cancer.

SPECIFIC TARGET ORGAN TOXICITY

(Repeated exposure):

Not classified.

REPRODUCTIVE TOXICITY: Not classified

SPECIFIC TARGET ORGAN TOXICITY

(Single exposure):

Sodium hydroxide

Not classified.

ASPIRATION HAZARD: Not classified.

COMPONENT INFORMATION:

LD50 Oral: No Data LD50 Dermal Rabbit: 1350 mg/kg

LD50 Inhalation: No data

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY LC50 Ceriodaphnia dubia: 546.21 mg/L/48hr

PERSISTENCE AND DEGRADABILITY: Not available.
BIOACCUMULATIVE POTENTIAL: Not available.
MOBILITY IN SOIL: Not available.

OTHER ADVERSE EFFECTS: This material contains no hazardous air pollutants (HAPS).

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Normal for alkaline wastes. May require pH adjustment for neutralization. Dispose in accordance with

local, state and federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Corrosive liquid, basic, inorganic, n.o.s. (contains sodium hydroxide)

HAZARD CLASS:

IDENTIFICATION NUMBER:

UN3266

PACKING GROUP:

Ш

EMERGENCY RESPONSE GUIDE:

ERG #154

SECTION 15:	REGIII	ATORY II	NEORMATION
OLUTION 13.	IVEOUL		

VOC: 0 pounds per gallon (0 grams per liter). **TSCA STATUS** All ingredients are listed on the TSCA inventory.

CERCLA REPORTABLE QUANTITY

1,000 pounds for sodium hydroxide (approximately 568 gallons).

X	ACUTE HEALTH
	FIRE
	SUDDEN RELEASE OF PRESSURE
	CHRONIC HEALTH
	REACTIVE

SARA 311 / 312 HAZARD CLASSES

Storage of 10,000 pounds or more may require filing a Tier 2 form. Threshold planning quantity for

reporting is 10,000 pounds. This material is not an extremely hazardous substance (EHS).

SARA 313 INFORMATION

SARA 312 INFORMATION

This material contains the following substances subject to the reporting requirements of Section 313 of

the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372

CATEGORY CODE CAS NUMBER % BY WEIGHT CHEMICAL NAME

None

STATE REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65

California has not identified the ingredients listed in Section 3 as known to cause cancer or reproductive

toxicity.

SECTION 16: OTHER INFORMATION

Revised sections 2 and 16 on 10-18-15. SDS STATUS:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

FOR INDUSTRIAL USE ONLY - KEEP OUT OF THE REACH OF CHILDREN