

SAFETY DATA SHEET



1 Identification

GHS Product Identifier

Tray-Clean™

Recommended use of the chemical and restriction on use

Recommended use: Caustic Non-foaming Chlorinated Alkaline Detergent. For industrial use only.

Recommended restrictions: None known.

Supplier's details

Proxy-Clean Products
2020 McKinney St.
Melissa, TX 75454
United States

Website : www.proxycleanproducts.com

Emergency phone number

CHEMTREC : 1-800-424-9300

2 Hazard(s) identification

Classification of the substance or mixture

Physical hazards :	Corrosive to metals	Category 1
Health hazards :	Skin corrosion/irritation	Category 1 Sub-category A
	Serious eye damage/eye irritation	Category 1

GHS label elements

Signal Word : Danger

Label elements :



Hazard statement : May be corrosive to metals
Causes severe skin burns and eye damage

Precautionary Statement :

Prevention : Keep only in original container.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash contaminated skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

Response : Immediately call a POISON CENTER or doctor/physician.
Specific treatment (see Section 4 on SDS)
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.
IF INHALED: Remove victim to fresh air and keep in comfortable position for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Wash contaminated clothing before reuse.
Absorb spillage to prevent material damage.

Storage : Store away from incompatible materials.
Store in a corrosive resistant container.
Store in a well-ventilated place. Keep container tightly closed.

Disposal : Dispose of contents/container to in accordance with local, regional, national, and international regulations.

3 Composition/information on ingredients

Chemical Name	CAS Number	Weight-%
Sodium Hydroxide	1310-73-2	5 - 15
Sodium Hypochlorite	7681-52-9	1 - 5
Sodium Metasilicate	6834-92-0	1 - 5

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4 First-aid measures

Description of necessary first-aid measures

General Advice	Immediate medical attention is required.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
Skin contact	Flush with water/shower for 15 minutes. If irritation resists after rinsing, get medical attention. Remove contaminated clothing and wash before reuse.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Ingestion	Rinse mouth with water. Give water to dilute. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to a semi-comatose, comatose, convulsing or unconscious person.

Most important symptoms/effects, acute and delayed

Symptoms	Corrosive. Causes irritation (possibly severe), burns to the eyes. May cause permanent eye damage. Causes irritation (possibly severe), burns to the skin. Causes irritation (possibly severe), burns, pulmonary edema to the respiratory tract. Causes irritation (possibly severe), burns, nausea, vomiting to the gastrointestinal tract. The severity of effects depends on concentration and how soon after exposure the area is washed.
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Indication of immediate medical attention and special treatment needed, if necessary

Note to physicians	Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Treat symptomatically.
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5 Fire-fighting measures

Suitable extinguishing media

Suitable extinguishing media	Water spray may be used to keep fire exposed containers cool. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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Unsuitable extinguishing	No information available.
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Specific hazards arising from the chemical	If the stock solution container breaks, the solution should be handled with care as it is corrosive. The product causes burns of eyes, skin and mucous membranes. In the event of fire and/or explosion do not breathe fumes.
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Hazardous combustion products	During fire, toxic fumes of sodium oxide, HOCL, chlorine, HCl, NaCl, sodium chlorate and oxygen.
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Special protective actions for fire-fighters

Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
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Firefighting equipment/instructions	Move containers from fire area if you can do so without risk.
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Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials
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6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak.
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Environmental precautions	See Section 12 for additional ecological information. Do not allow into sewer, on the ground or into any body of water. Should not be released into the environment. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
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Methods for containment	Completely contain spilled material with dikes or sand bags, etc.
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Methods for cleaning up	Recover as much material as possible into containers for disposal or reuse. Remaining material may be diluted with water and neutralized. Flush spill area with water. Neutralization products, both solid and liquid, must be recovered for disposal.
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7 Handling and storage

Precautions for safe handling

Advice on safe handling

Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Wear appropriate protective clothing/equipment. Do not breathe mist or vapors. Provide adequate ventilation. Do not ingest.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed and properly labeled. Containers that have been emptied will retain product residue and should be handled as if they were full. Store in a cool, dry, well-ventilated place away from incompatible materials. Wash hands before eating, drinking, using tobacco, applying make-up or using the toilet. Do not store, use, and/or consume foods, beverages, tobacco in areas where this product is stored. Do not store in aluminum container or use aluminum fittings or transfer lines, as flammable hydrogen gas can be generated.

Incompatible materials

Acids, ammonia, ether, halogenated compounds, oxidizing agents, reducing agents, oxidizable or combustible materials such as wood cloth or organic materials, prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys. Avoid contact with heavy metal such as iron, magnesium, aluminum, manganese, chromium, nickel and their alloys. Avoid contact with leather, wool, organic nitro compounds.

8 Exposure controls/personal protection

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m ³	TWA: 2 mg/m ³ (vacated) Ceiling: 2 mg/m ³	IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³

Appropriate engineering controls

Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment (PPE).

Eye/face protection

Tight sealing safety goggles. Face protection shield.

Skin and body protection

Rubber boots. Wear protective gloves and protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General hygiene considerations

Wash contaminated clothing before reuse. When using do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Routinely wash work clothing and protective equipment to remove contaminants is recommended.

9 Physical and chemical properties

Physical and chemical properties

Appearance	Clear
Physical state	Liquid
Form	Liquid
Color	Clear light amber
Odor	Slight chlorine
Odor threshold	Not available.
pH	12.15
Melting point/freezing point	Not available
Initial boiling point and boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available
Flammability limit - upper (%)	Not available
Explosive limit - lower (%)	Not available
Explosive limit - upper (%)	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific Gravity	1.216
Solubility (water)	Soluble
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Other information	
Explosive properties	Not explosive
Flash point class	Non-flammable
Oxidizing properties	Not oxidizing

10 Stability and reactivity

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Will react with some metals forming flammable hydrogen gas. Will react with acid to produce chlorine gas.

Incompatible materials

Acids, ammonia, ether, halogenated compounds, oxidizing agents, reducing agents, oxidizable or combustible materials such as wood, cloth or organic materials. Prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys. Avoid contact with heavy metal such as iron, magnesium, aluminum, manganese, chromium,

nickel and their alloys. Avoid contact with leather, wool, organic nitro compounds.

Hazardous decomposition products

Toxic fumes of sodium oxide, HOCL, chlorine, HCl, NaCl, sodium chlorate and oxygen.

11 Toxicological information

Information on likely routes of exposure

Inhalation	Causes irritation (possibly severe), burns, pulmonary edema to the respiratory tract.
Skin contact	Causes irritation (possibly severe), burns to skin.
Eye contact	Causes irritation (possibly severe), burns to eyes. May cause permanent eye damage.
Ingestion	Causes irritation (possibly severe), burns, nausea, vomiting to the gastrointestinal tract.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LD50
Sodium hydroxide 1310-73-2	-	= 1350 mg/kg (Rabbit)	-
Sodium Hypochlorite 7681-52-9	= 8200 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	-

Information on toxicological effects

Symptoms	No information available.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure.

Sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.

Chemical Name	ACGIH	IARC	NTP	OSHA
Sodium Hypochlorite 7681-52-9	-	Group 3	-	-

Reproductive toxicity	No information available.
STOT – single exposure	No information available.
STOT – repeated exposure	No information available.
Aspiration hazard	No information available.

Numerical measures of toxicity – Product information.

Unknown Acute Toxicity	7.2% of the mixture consists of ingredient(s) of unknown toxicity.
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12 Ecological information

Ecotoxicity	Very toxic to aquatic life with long lasting effects.
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4.4% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium Hydroxide 1310-73-2	-	45.4: 96 h Oncorhynchus mykiss mg/L LC50 static	-

Sodium Hypochlorite 7681-52-9	0.095: 24 h <i>Skeletonema costatum</i> mg/L EC50	0.06 – 0.11: 96 h <i>Pimephales</i> <i>promelas</i> mg/L LC50 flow-through 4.5 – 7.6: 96 h <i>Pimephales</i> <i>promelas</i> mg/L LC50 static 0.4 – 0.8: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 0.28 – 1: 96 h <i>Lepomis macrochirus</i> mg/L LC50 flow-through 0.05 – 0.771: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through 0.03 – 0.19: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 semi-static 0.18 – 0.22 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static	2.1: 96 h <i>Daphnia magna</i> mg/L E50 0.033 – 0.044: 48 h <i>Daphnia magna</i> mg/L EC50 static
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Persistence and degradability No data available.

Bioaccumulative potential No data available.

Other adverse effects No data available.

13 Disposal considerations

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container

Chemical Name	California Hazardous Waste Status
Sodium Hydroxide 1310-73-2	Toxic Corrosive

14 Transport information

DOT

UN/ID No.
Proper shipping name
Hazardous ingredients
Hazard Class
Packing Group

Regulated

NA1760
Compounds, Cleaning Liquid
(Sodium Hydroxide/Sodium Hypochlorite)
8
II

15 Regulatory information

International Inventories

TSCA	Complies
DSL/NDL	Complies
EINECS/ELINCS	Complies

ENCS	Does not comply
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend:

TSCA - United States Toxic Substances Act Section 8(b) Inventory
DSL/NDL – Canadian Domestic Substances List/Non-Domestic Substance List
EINECS/ELINCS – European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS – Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL – Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS – Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	Yes

CWA (Clean Water Act)

This product does not contain and substances regulated as pollutants to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA – Reportable Quantities	CWA – Toxic Pollutants	CWA – Priority Pollutants	CWA – Hazardous Substances
Sodium Hydroxide 1310-73-2	1000 lb	-	-	X
Sodium Hypochlorite 7681-52-9	100 lb	-	-	X

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) of the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium Hydroxide 1310-73-2	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ
Sodium Hypochlorite 7681-52-9	100 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium Hydroxide 1310-73-2	X	X	X
Sodium Hypochlorite 7681-52-9	X	X	X

U.S. EPA Label Information**EPA Pesticide Registration Number**

Not Applicable

16 Other information**Other information****Issue date** 9-24-2020**Revision date** 9-24-2020**Version #** A**HMIS® ratings**

Health: 3
Flammability: 0
Physical hazard: 1
Personal protection X

NFPA ratings

Health: 3
Flammability: 0
Instability: 1

Disclaimer

The information provided in this Safety Data Sheet has been obtained from sources believed to be reliable. Proxy-Clean Products, provides no warranties, either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein. This information is offered for your information, consideration, and investigation. You should satisfy yourself that you have all current data relevant to your particular use. Proxy-Clean Products, knows of no medical condition, other than those noted on this Safety Data Sheet, which are generally recognized as being aggravated by exposure to this product.