

# SAFETY DATA SHEET



## 1 Identification

### GHS Product Identifier

Dura-Clean®

### Recommended use of the chemical and restriction on use

Recommended use: Caustic Foaming Hard Surface Cleaner. 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](http://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
	Serious eye damage/eye irritation	Category 1
	Specific target organ toxicity, single exposure	Category 3 – Respiratory Tract Irritation

### GHS label elements

Signal Word : Danger

Label elements :



**Hazard statement :** May be corrosive to metals  
Causes severe skin burns and eye damage  
Causes serious eye damage  
May cause respiratory irritation

**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 :** 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 at rest in a position comfortable 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.

**Disposal :** Store away from incompatible materials.  
Store in a well-ventilated place. Keep container tightly closed.  
Dispose of contents/container to in accordance with local, regional, national, and international regulations.

### 3 Composition/information on ingredients

Description	CAS Number	%
Water	7732-18-5	65 - 80
Sodium Hydroxide	1310-73-2	5 - 20
Trade Secret	Proprietary	3 - 12

### 4 First-aid measures

#### Description of necessary first-aid measures

**Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

**Skin contact** Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.

**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.

**Ingestion** Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

#### Most important symptoms/effects, acute and delayed

**Most important symptoms/effects, acute and delayed.** Burning pain and severe corrosive skin damage, Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation.

## Indication of immediate medical attention and special treatment needed, if necessary

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Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

### General information

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5 Fire-fighting measures

### Suitable extinguishing media

#### Suitable extinguishing media

Water fog. Alcohol-resistant foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

#### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

### Specific hazards arising from the chemical

#### Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

### 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.

#### Firefighting equipment/instructions

Move containers from fire area if you can do so without risk.

#### Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

## 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

### Environmental precautions

Avoid release of undiluted product to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge of undiluted product into drains, water courses or onto the ground.

### Methods and materials for containment and cleaning up

This product is miscible in water.

**Large Spills :** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb spillage to prevent material damage. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery with water.

**Small Spills :** Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

## 7 Handling and storage

### Precautions for safe handling

Do not breathe mist or vapors. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release of undiluted product to the environment. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Store in a cool, dry place out of direct sunlight. Store in corrosive resistant container with a resistant inner liner. Store in tightly closed container. Keep only in the original container. Store at ambient temperature and atmospheric pressure. Store away from incompatible materials (see Section 10 of the SDS).

## 8 Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Sodium Hydroxide (CAS 1310-73-2)	PEL	2 mg/m <sup>3</sup>

#### US. ACGIH Threshold Limit Values

Components	Type	Value
Sodium Hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m <sup>3</sup>

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Sodium Hydroxide (CAS1310-73-2)	Ceiling	2 mg/m <sup>3</sup>

#### Biological limit values

No biological exposure limits noted for the ingredient(s).

#### Appropriate engineering controls

Not available.

#### Individual protection measures

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

<b>General</b>	It is recommended that users of this product perform a risk assessment to determine the appropriate PPE.
<b>Eye/face protection</b>	Wear tight-fitting, chemical splash goggles or face shield.
<b>Skin protection</b>	
<b>Hand protection</b>	Wear appropriate chemical resistant, impervious gloves.
<b>Other</b>	Wear appropriate chemical resistant clothing.
<b>Respiratory protection</b>	In case of insufficient ventilation, respiratory protection maybe required.

## General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants

## 9 Physical and chemical properties

### Physical and chemical properties

Appearance	Clear.
Physical state	Liquid.
Form	Liquid.
Color	Colorless.
Odor	Odorless.
Odor threshold	Not available.
pH	> 13
Melting point/freezing point	53.6 °F (12 °C)
Initial boiling point and boiling range	284 °F (140 °C) @ 1 atm
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	14 mm Hg @ 60°C
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Soluble.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	40 cP @ 30°C
Other information	
Explosive properties	Not explosive.
Flash point class	Non-flammable
Oxidizing properties	Not oxidizing.
Specific gravity	1.06 @ 20°C

## 10 Stability and reactivity

### Reactivity

Reacts violently with strong acids. This product may react with oxidizing agents. May be corrosive to metals.

### Chemical stability

Material is stable under normal conditions.

### Possibility of hazardous reactions

Hazardous polymerization does not occur.

### Conditions to avoid

Contact with incompatible materials. Do not mix with other chemicals.

## Incompatible materials

Strong acids. Strong oxidizing agents. Oxidizing agents. Halogenated materials. Prolonged contact with alkali sensitive metals.

## Hazardous decomposition products

Irritating and/or toxic fumes and gases may be emitted upon the products decomposition. Oxides of Sodium. Carbon oxides.

# 11 Toxicological information

## Information on the likely routes of exposure

<b>Inhalation</b>	May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
<b>Skin contact</b>	Causes severe skin burns.
<b>Eye contact</b>	Causes serious eye damage.
<b>Ingestion</b>	Causes digestive tract burns.

## Symptoms related to the physical, chemical and toxicological characteristics

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation.

## Numerical measures of toxicity (such as acute toxicity estimates)

**Acute toxicity** Not known.

<u>Components</u>	<u>Species</u>	<u>Test Results</u>
Sodium Hydroxide (CAS 1310-73-2)		
<u>Acute</u>		
<u>Other</u>		
LD50	Mouse	40 mg/kg

## Interactive effects

<b>Skin corrosion/irritation</b>	Causes severe skin burns and eye damage.
<b>Serious eye damage/eye irritation</b>	Causes serious eye damage.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Based on available data the classification criteria are not met.
<b>Skin sensitization</b>	Based on available data the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data the classification criteria are not met.

### IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

### US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

## Other information

<b>Reproductive toxicity -</b>	Based on available data the classification criteria are not met. .
<b>Specific target organ toxicity - single exposure</b>	May cause respiratory irritation.

<b>Specific target organ toxicity - repeated exposure</b>	Based on available data the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data the classification criteria are not met.
<b>Chronic effects</b>	Prolonged inhalation may be harmful.

## 12 Ecological information

### Toxicity

**Ecotoxicity** Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of those components.

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** No data available.

**Mobility** Disperses in water.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

## 13 Disposal considerations

### Disposal methods

**General instructions** Generation of waste should be minimized or avoided wherever possible. Reuse or recycle product wherever possible. This material and its container must be disposed of in a safe manner. When handling waste, the safety precautions applying to the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers may retain some product residues and hence be potentially hazardous.

**Disposal instructions** Do not empty undiluted product into drains. Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Dispose of contents/container in accordance with local/regional/national/international regulations.

## 14 Transport information

<b>UN Number</b>	UN3266
<b>UN proper shipping name</b>	Corrosive liquid, basic, inorganic, n.o.s.
<b>Transport hazard class(es)</b>	
<b>Class</b>	8
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	8

Packing group	III
Environmental hazards	No
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not Applicable

## 15 Regulatory information

### Safety, health and environmental regulations specific for the product in question

#### US federal regulations

**Toxic Substances Control Act (TSCA)** All components of the mixture on the TSCA 8(b) inventory are designated "active".

**TSCA Section 12(b) Export Notification (40 CFR 707. Subpt. D)**  
Not regulated

**CERCLA Hazardous Substance List (40 CFR 302.4)**  
Sodium Hydroxide (CAS 1310-73-2) Listed.

**SARA 304 Emergency release notification**  
Not regulated

**OSHA Specifically Regulated Substances (29 CFR 1910.1001 -1053)**  
Not listed.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**SARA 302 Extremely hazardous substance**  
Not listed.

**SARA 311/312 Hazardous chemical**  
Yes

**Classified hazard categories**  
Corrosive to metals  
Skin corrosion or irritation  
Serious eye damage or eye irritation  
May cause respiratory irritation

**SARA 313 (TRI reporting)**  
Not regulated.

#### Other federal regulations

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPS) List**  
Not regulated.

**Clean Air Act (CAA) Section 112® Accidental Release Prevention (40 CFR 68.130)**  
Not Regulated.

**Safe Drinking Water Act (SDWA)**  
Not Regulated.

#### US state regulations

##### California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not know to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to [www.P65Warnings.ga.gov](http://www.P65Warnings.ga.gov).

**US. California. Candidate List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

Sodium Hydroxide (CAS 1310-73-2)

#### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes



\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16 Other information

### Other information

**Issue date** 1-29-2020

**Revision date** 1-29-2020

**Version #** 3

**HMIS® ratings**            Health: 3  
                                  Flammability: 0  
                                  Physical hazard: 1

**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.