

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

Indication of immediate medical attention and special treatment needed

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 (CO₂).

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 ³

US. ACGIH Threshold Limit Values

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

US. NIOSH: Pocket Guide to Chemical Hazards

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

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).

General	It is recommended that users of this product perform a risk assessment to determine the appropriate PPE.
Eye/face protection	Wear tight-fitting, chemical splash goggles or face shield.
Skin protection	
Hand protection	Wear appropriate chemical resistant, impervious gloves.
Other	Wear appropriate chemical resistant clothing.
Respiratory protection	Chemical respirator with organic vapor cartridge and full facepiece. Respiratory protection maybe required based on the task hazards and potential for exposure.

Thermal hazard

Wear appropriate thermal protective clothing, when necessary.

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. Metals. 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

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

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

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

Specific target organ toxicity - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard Based on available data the classification criteria are not met.

Chronic effects 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

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

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

Limited quantities, No shipping paper required. Limited quantity mark is required on the outer surface of the finished package. (49 CFR 173.154)

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.

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 11-21-2019

Revision date 11-21-2019

Version # 2

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

NFPA ratings Health: 3
 Flammability: 0
 Instability: 1

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