Safety Data Sheet
POWR-FOAM

Section 1. Chemical Product Identification

Product Name: POWR-FOAM

Product Code: PF20 / PF205

Recommended Use: High foaming chlorinated alkaline cleaner and sanitizer. FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY.

Supplier: Rockwater Professional Products. 5 Panther Place. Donovans Industrial Park. Mount Pearl, NL.

Emergency Number: CANUTEC (24 Hour): 613-996-6666

Section 2. Hazards Identification

Signal Word:
DANGER

GHS Classification:

Skin corrosive/ irritation	Category 1A
Serious eye damage/ eye irritation	Category 1
Corrosive to metals	Category 1
Acute toxicity	Oral, Category 4

Hazard Statements:
H314 – Causes severe skin burns and eye damage.
H318 – Causes serious eye damage.
H290 – May be corrosive to metals.

Precautinary Statements (Prevention):
P260 – Do not breathe dust/fume/gas/mist/vapours/spray.
P264 – Wash face, hands, and any exposed skin thoroughly after handling.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P234 – Keep only in original container.

Precautinary Statements (Response):
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.
P363 – Wash contaminated clothing before reuse.
P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P310 – Immediately call a POISON CENTER or doctor/physician.
P321 – Specific treatment (see Section 4. First-Aid Measures on this label).
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P390 – Absorb spillage to prevent material damage.

Precautinary Statements (Storage):
P405 – Store locked up.
P406 – Store in corrosive resistant container with a resistant inner liner.

Precautinary Statements (Disposal):
P501 – Dispose of contents/container to an approved waste disposal plant according to provincial/federal regulations.

Other Hazards:
None known.

Section 3. Composition/Information on Ingredients

Chemical Name	CAS No.	Weight-%
Sodium hydroxide	1310-73-2	5-10%
Sodium hypochlorite	7681-52-9	1-5%
Dodecyldimethylamine oxide	1643-20-5	5-10%

Section 4. First-Aid Measures

General advice:
Remove contaminated clothing. Have an up-to-date version of this SDS to present to the physician.

If in eyes:
Wash affected eye(s) for at least 15 minutes under running water with eyelids held open. Remove contact lenses, if present and easy to do. If irritation persists, seek medical advice/attention.

If on skin:
Remove/take off immediately all contaminated clothing. Rinse skin/shower with plenty of water. If irritation develops, seek medical advice/attention.

If swallowed:
Immediately rinse mouth, do not induce vomiting, seek medical advice/attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

If inhaled:
Keep patient calm, remove to fresh air. Immediately call a POISON CENTER or doctor/physician. Assist in breathing by a trained personnel if necessary.

Most important symptoms and effects, both acute and delayed
May cause skin irritation, redness, and severe skin burns. Direct eye contact may cause stinging, tearing and redness. May cause burns to the mucous membranes and upper respiratory tract. Ingestion may cause nausea and headache.

Note to physician (Treatment)
Treat symptomatically.

Section 5. Fire-Fighting Measures

Suitable estinguishing media
Vapourized water, carbon dioxide foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable estinguishing media
None known.

Specific hazards arising from the chemical or mixture
Causes burns to eyes, skin, and mucous membranes.

Protective equipment and advice for fire-fighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
Avoid contact with eyes, skin, or clothing. Use personal protective equipment.

Environmental precautions
Do not discharge into drains, surface waters, or groundwater.

Methods and material for containment and cleaning up
Prevent further leakage or spillage if safe to do so. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

Section 7. Handling and Storage

Precautions for safe handling
Keep out of the reach of children. Avoid contact with eyes, skin, or clothing. Do not breathe dust/fume/gas/mist/vapours/spray. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities
Keep containers tightly closed in a dry, cool and well-ventilated place. Store at room temperature. Keep container closed when not in use. Do not contaminate water, food, or feed by storage or disposal.
Incompatible materials: Metals, acids, and ammonia.

Section 8. Exposure Controls/Personal Protection

Exposure guidelines
Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

Chemical Name	OSHA TLV	ACGIH TLV	ACGIH TWA	Other Limits
Sodium hydroxide 1310-73-2	PEL: 2 mg/m^3	STEL: 2 mg/m^3	Ceiling: 2 mg/m^3	No Data
Sodium hypochlorite 7681-52-9	PEL: 2 mg/m^3	Ceiling: 2 mg/m^3	TLV: 0.5 ppm as Cl_2 STEL: 1 ppm as Cl_2	No Data
Dodecyldimethylamine oxide 1643-20-5	No Data	No Data	No Data	No Data

Appropriate engineering controls
Provide adequate ventilation, especially in confined areas. Eyewash stations. Showers.

Personal protective equipment

Eye/Face protection:
Face shield, saftey glasses with side shields, or goggles.

Skin/Body protection:
Chemical resistant gloves, apron, and boots.

Respiratory protection:
If exposure limits are exceeded or if ventilation is inadequate, NIOSH/MSHA approved respiratory protection should be worn.

General safety and hygiene measures:
Handle in accordance with good industrial hygiene and safety practice.

Section 9. Physical and Chemical Properties

Physical state:	Liquid
Appearance:	Clear
Colour:	Yellowish
Odour:	Faint chlorine
Odour threshold:	Not applicable
pH:	12.00±1.00
Melting point/Freezing point:	Not determined
Boiling point/Boiling range:	100 ºC
Flash point:	Not applicable
Evaporation rate:	1:1 (water)
Flammability (solid, gas):	Not applicable
Vapour pressure @ 20 ºC:	Not applicable
Vapour density (air = 1):	Not applicable
Specific gravity:	1.075±0.010
Water solubility:	Not determined
Solubility in other solvents:	Not determined
Partition coefficient:	Not determined
Autoignition temperature:	Not applicable
Decomposition temperature:	Not determined
Viscosity:	<10 cps
Explosive properties:	Not applicable
Oxidizing properties:	Not determined

Section 10. Stability and Reactivity

Reactivity
Not reactive under normal conditions.

Chemical stability
Stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions
None under normal processing.

Conditions to avoid
Keep out of reach of children. Store away from incompatible materials.

Incompatible materials
Metals, acids, ammonia. Strong oxidizing agents.

Hazardous decomposition products
High temperatures and fire conditions may result in the formation of carbon monoxide and carbon dioxide, hydrogen chloride, chlorine, hydrogen gas, and oxides of potassium and sodium.

Section 11. Toxicological Information

Primary routes of exposure
Routes of entry for liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for vapour/mist include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhilation
Sodium hydroxide 1310-73-2	2,400 mg/kg (Rat)	> 2,000 mg/kg (Rabbit)	Not applicable
Sodium hypochlorite 7681-52-9	8,200 mg/kg (Rat)	> 2,000 mg/kg (Rat)	> 10.5 mg/kg (Rat)
Dodecyldimethylamine oxide 1643-20-5	2,700 mg/kg (Rat)	Not applicable	Not applicable

Irritation/corrosion
Ingestion may cause irritation of the gastrointestinal tract. Contact with liquid or vapour/mist may irritate the eyes, skin, and respiratory tract.
Other Studies - CAS# 1310-58-3: Standard Draize Test, Skin, Species: Rabbit, 50.0 mg, 24H.
Other Studies - CAS# 7681-52-9: Standard Draize Test, Eyes, Rabbit, 1.310 mg, Mild.
Other Studies - CAS# 1643-20-5: Standard Draize Test, Skin, Species: Rabbit, 2.000 MG, 24 H.

Sensitization
No sensitizing effect. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Chronic Toxicity/Effects

Carcinogenicity
None of the ingredients contain any carcinogens or potential carcinogens as listed by OSHA, IARC, ACGIH, or NTP.

Symptoms of Exposure
(Further) symptoms and/or effects are not known so far.

Section 12. Ecological Information

Toxicity
No data available.

Aquatic toxicity to algae, plants, fish, invertebrates
No data available.

Bioaccumulative potential
No data available.

Mobility in soil
No data available.

Persistence and degradability
No data available.

Biodegregation
Surfactants are readily biodegradable under OECD 301 D.

Section 13. Disposal Considerations

Waste disposal of material
Dispose of waste material in compliance with provincial/federal regulations. Do not discharge into drains, surface waters, or groundwater.

Container disposal
Dispose of in compliance with provincial/federal regulations. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

Section 14. Transportation

TDG classification
UN1760, CORROSIVE LIQUID, N.O.S. (SODIUM HYPOCHLORITE, SODIUM HYDROXIDE), 8, III

Section 15. Regulatory Information

OSHA/WHMIS 2015 classification
May be corrosive to metals.
Causes serious eye damage.
Causes severe skin burns and eye damage.
Harmful if swallowed.
Harmful in contact with skin.
Harmful if inhaled.

Canadian Domestic Substance List (DSL)
All ingredients are listed.

Section 16. Other Information

SDS prepared by:
Rockwater Professional Products, Chemical Department (D.E.K)

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19 February 2019

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13 February 2021 (supersedes Version 1.0, 19 February 2019)

Version:
2.0

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END OF SAFETY DATA SHEET.