



Wash - Collect - Recycle

Hydro Engineering, Inc.

865 West 2600 South
Salt Lake City, Utah 84119
hydroblaster.com

Hydroblaster™ - Hydropad™ - Hydrokleen™

Safety Data Sheet

pH Neutralizer for Acid Solutions

Date: 9/24/2021

1. IDENTIFICATION

Product identifier

Mixture identification:

SC-5

Trade name:

Sodium Carbonate 20% Solution

Recommended use of the chemical and restrictions on use

Recommended use:

FOR PROFESSIONAL USE

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party.

Company:

Hydro Engineering, Inc.

865 West 2600 South

Salt Lake City, UT 84119

sds@hydroblaster.com

Emergency phone number

Phone: CHEMTREC: Within US & Canada: (800) 424-9300

2. HAZARD(S) IDENTIFICATION

Classification of the chemical

⚠ Warning, Eye Irrit. 2A, Causes serious eye irritation.

Label elements

Symbols:



Warning

Hazard statements:

H319 Causes serious eye irritation. Precautionary statements:

P264 Wash hands thoroughly after handling.

P280 Wear eye/face protection: wear eye glasses with side protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.



Intertek



Certified Systems Available



Wash - Collect - Recycle

Hydro Engineering, Inc.

865 West 2600 South
Salt Lake City, Utah 84119
hydroblaster.com

Hydroblaster™ - Hydropad™ - Hydrokleen™

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

None

Ingredient(s) with unknown acute toxicity:

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A. Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

>= 20% - < 25% Sodium Carbonate

REACH No.: 01-2119485498-19-XXXX, Index number: 011-005-00-2, CAS: 497-19-8, EC: 207-838-8

⚠ A.3/2A Eye Irrit. 2A H319

4. FIRST-AID MEASURES

Description of necessary measures.

In case of contact with skin:

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap. Wash body thoroughly (shower or bath).

Remove contaminated clothing immediately and dispose of safely.

In case of contact with eyes:

After contact with the eyes, rinse with water, with eyelids open, for a sufficient length of time, then consult an ophthalmologist immediately.

In case of Ingestion:

Induce vomiting. Rinse mouth with water. Seek medical advice and/or examination immediately.

In case of Inhalation:

Remove to fresh air and keep warm and at rest.

Most important symptoms/effects, acute and delayed.

None

Indication of immediate medical attention and special treatment needed.

In case of accident or unwellness, seek medical advice immediately.

Treatment:

None

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Water.

Dry chemical

Carbon dioxide (CO₂).

Unsuitable extinguishing media:

None in particular.



Intertek



Certified Systems Available



Wash - Collect - Recycle

Hydro Engineering, Inc.

865 West 2600 South
Salt Lake City, Utah 84119
hydroblaster.com

Hydroblaster™ - Hydropad™ - Hydrokleen™

Specific hazards arising from the chemical.

Do not inhale explosion and combustion gases.

Hazardous combustion products:

None

Explosive properties: N.A.

Oxidizing properties: N.A.

Special protective equipment and precautions for firefighters.

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Wear breathing apparatus if exposed to vapors/dusts/aerosols.

Provide adequate ventilation.

Remove persons to safety.

Use appropriate respiratory protection.

See protective measures under sections 7 and 8.

Methods and materials for containment and cleaning up.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders) and remove. Dispose in accordance with state, local and federal regulations.

Wash contaminated area with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling.

Avoid contact with skin and eyes, inhalation of vapors and mists.

Do not use on extensive surface areas in premises where there are occupants.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities.

Keep away from food, drink and feed. Keep container tightly closed.

Incompatible materials:

None in particular.

Instructions for storage on premises:

Adequately ventilated premises.

Storage temperature:

Store at ambient temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No occupational exposure limit available.



Intertek



Certified Systems Available



Wash - Collect - Recycle

Hydro Engineering, Inc.

865 West 2600 South
Salt Lake City, Utah 84119
hydroblaster.com

Hydroblaster™ - Hydropad™ - Hydrokleen™

Appropriate engineering controls:

None

Individual protection measures.

Eye protection:

Eye glasses with side protection or goggles.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g., cotton, rubber, PVC or Viton.

Protection for hands:

Use protective gloves that provides comprehensive protection.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and color:	Liquid
Odor:	None
Odor threshold:	N.A.
pH:	N.A.
Melting point / freezing point:	N.A.
Initial boiling point and boiling range:	N.A.
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapor density:	N.A.
Flash point:	N.A. °F
Evaporation rate:	N.A.
Vapor pressure:	N.A.
Relative density:	N.A.
Solubility in water:	100%
Solubility in oil:	N.A.
Partition coefficient (n-octanol/water):	N.A.
Auto-ignition temperature:	N.A.
Decomposition temperature:	N.A.
Viscosity:	N.A.
Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	N.A.

10. STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

None



Intertek



Certified Systems Available



Wash - Collect - Recycle

Hydro Engineering, Inc.

865 West 2600 South
Salt Lake City, Utah 84119
hydroblaster.com

Hydroblaster™ - Hydropad™ - Hydrokleen™

Conditions to avoid
Stable under normal conditions
Incompatible materials
None in particular.
Hazardous decomposition products
None

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects
Toxicological information of the mixture:
N.A.

Toxicological information of the main substances found in the mixture:

Sodium Carbonate - CAS: 497-19-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 2800 mg/kg

Test: LC50 - Route: Inhalation - Species: Mouse = 1.2 mg/l - Duration: 2h

Test: LC50 - Route: Inhalation - Species: Rat = 2.3 mg/l - Duration: 2h

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Substance(s) listed on the NTP report on Carcinogens:

None.

Substance(s) listed on the IARC Monographs:

None.

Substance(s) listed as OSHA Carcinogen(s):

None.

Substance(s) listed as NIOSH Carcinogen(s):

None.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

Sodium Carbonate - CAS: 497-19-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 300 mg/l - Duration h: 96

Endpoint: EC50 - Species: Crustaceans = 200-227 mg/l - Duration h: 48

Persistence and degradability

N.A.

Bio accumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

None

13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.



Intertek



Certified Systems Available



Wash - Collect - Recycle

Hydro Engineering, Inc.

 865 West 2600 South
 Salt Lake City, Utah 84119
 hydroblaster.com

Hydroblaster™ - Hydropad™ - Hydrokleen™

14. TRANSPORT INFORMATION

UN number

Not classified as dangerous in the meaning of transport regulations.

UN proper shipping name

N.A.

Transport hazard class(es)

N.A.

Packing group

N.A.

Environmental hazards

N.A.

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

N.A.

Special precautions

N.A.

15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

TSCA inventory: all the components are listed on the TSCA inventory.

TSCA listed substances:

None.

SARA - Superfund Amendments and Reauthorization Act

Section 302 – Extremely Hazardous Substances: no substances listed.

Section 304 – Hazardous substances: no substances listed.

Section 313 – Toxic chemical list: no substances listed.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

No substances listed.

CAA - Clean Air Act

CAA listed substances:

None.

CWA - Clean Water Act

CWA listed substances:

None.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

None.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

No substances listed.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

Sodium Carbonate.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

Sodium Carbonate.


Intertek


Certified Systems Available



Wash - Collect - Recycle

Hydro Engineering, Inc.

 865 West 2600 South
 Salt Lake City, Utah 84119
 hydroblaster.com

Hydroblaster™ - Hydropad™ - Hydrokleen™

16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H319 Causes serious eye irritation.

Safety Data Sheet

Disclaimer:

The information contained herein is based on our state of knowledge on the specified date.

It refers solely to the product indicated and constitutes no guarantee of particular quality.

The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System.
IARC:	International Agency for Research on Cancer.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
NFPA:	National Fire Protection Association.
NIOSH:	National Institute for Occupational Safety and Health.
NTP:	National Toxicology Program.
OSHA:	Occupational Safety and Health Administration.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TLV-TWA:	Threshold Limit Value for the Time Weighted Average 8-hour day. (ACGIH Standard).


Intertek


Certified Systems Available