



NAPCO CHEMICAL COMPANY

Safety Data Sheet NAPCO 206

SECTION 1: Identification

1.1 Product identifier

Product name NAPCO 206

1.2 Other means of identification

None.

1.3 Recommended use of the chemical and restrictions on use

NAPCO 206 is used as a corrosion inhibitor developed specifically for use in potable and industrial water systems.

None known.

1.4 Supplier's details

Name NAPCO Chemical Company
Address 2830 Spring Cypress Rd
Spring, Tx 77383
United States

Telephone 281-651-6800
Fax 281-651-6868
email

1.5 Emergency phone number(s)

ChemTel 1(800)255-3924

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with OSHA (29 CFR 1910.1200)

- Skin corrosion/irritation (chapter 3.2), Cat. 1B
- Eye damage/irritation (chapter 3.3), Cat. 1
- Specific target organ toxicity, repeated exposure (chapter 3.9), Cat. 1

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

Safety Data Sheet

NAPCO 206

H314	Causes severe skin burns and eye damage
H372	Causes damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects
H318	Causes serious eye damage

Precautionary statement(s)

P260	Do not breathe mist or vapors.
P264	Wash ... thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P273	Avoid release to the environment.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363	Wash contaminated clothing before reuse.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310	Immediately call a POISON CENTER/doctor/...
P321	Specific treatment (see ... 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.
P405	Store locked up.
P501	Dispose of contents/container to ...
P314	Get medical advice/attention if you feel unwell.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Sulfuric acid (10-51%)

Concentration	10 - 18 %
EC no.	231-639-5
CAS no.	7664-93-9
Index no.	016-020-00-8

- Skin corrosion/irritation (chapter 3.2), Cat. 1A

H314	Causes severe skin burns and eye damage
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2. trizinc bis(orthophosphate)

Concentration	15 - 20 %
EC no.	231-944-3
CAS no.	7779-90-0
Index no.	030-011-00-6

- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 1
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 1

H400	Very toxic to aquatic life
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Safety Data Sheet

NAPCO 206

H410

Very toxic to aquatic life with long lasting effects

Trade secret statement (OSHA 1910.1200(i))

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	If you feel unwell consult a physician and show this safety data sheet to the doctor in attendance.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Do not use mouth to mouth method if victim inhaled the substance. Induce artificial respiration with the aid of pocket mask equipped with a one-way valve or other proper respiratory medical device. Consult a physician or poison control immediately.
In case of skin contact	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician
In case of eye contact	Rinse thoroughly 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 immediately.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Personal protective equipment for first-aid responders	Self-contained breathing apparatus and full protective clothing for firefighting must be worn in case of fire.

4.2 Most important symptoms/effects, acute and delayed

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Coughing. Discomfort in the chest. Shortness of breath.

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

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use powder, foam, dry chemical or carbon dioxide (CO₂).

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

5.2 Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Safety Data Sheet

NAPCO 206

5.3 Special protective actions for fire-fighters

No unusual fire or explosions hazards noted.

Further information

No data.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas upwind of spill or leak. Vapours can accumulate in low areas. Local authorities should be advised if significant spillages cannot be contained. For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

SMALL SPILLS: Contain and absorb with absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water. LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure adequate ventilation. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place, and away from incompatible materials. See section 10.

Specific end use(s)

No data.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Sulfuric acid (10-51%) (CAS: 7664-93-9 EC: 231-639-5)

PEL-TWA (Air): 1 mg/m³; U.S. (OSHA)

2. Sulfuric acid (10-51%) (CAS: 7664-93-9)

TWA (Air): 0.2 mg/m³; U.S. (ACGIH)

3. Sulfuric acid (10-50%) (CAS: 766-93-9)

TWA (Air): 1 mg/m³; U.S. (NIOSH)

8.2 Appropriate engineering controls

Safety Data Sheet

NAPCO 206

Distribution, Workplace and Household Settings: Ensure adequate ventilation. Product Manufacturing Plant (needed at Product-Producing Plant ONLY): Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Eye wash facilities and emergency shower must be available when handling this product.

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

Eye/face protection

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Wearing appropriate chemical resistant gloves and impervious apron is recommended.

Body protection

Wearing appropriate chemical resistant gloves and impervious apron is recommended.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Use NIOSH approved respirator with organic vapor/acid gas protection.

Thermal hazards

Wear appropriate thermal protective clothing when necessary.

Environmental exposure controls

Should not be released into the environment. See Section 12 for additional ecological information.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Liquid
Odor	None
Odor threshold	Not applicable.
pH	2.5 +/- 0.5 (1% aqueous solution)
Melting point/freezing point	< 32 F (<0 C)
Initial boiling point and boiling range	Not available.
Flash point	Not applicable.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability limits	Not available.
Upper/lower explosive limits	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	1.34+/-0.03 (77 F (25 C)
Solubility(ies)	Completely soluble.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

Safety Data Sheet

NAPCO 206

Explosive properties
Oxidizing properties

Not applicable.
Not available.

SECTION 10: Stability and reactivity

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

Stable under normal use conditions.

10.3 Possibility of hazardous reactions

None under normal use conditions.

10.4 Conditions to avoid

Contact with incompatible materials.

10.5 Incompatible materials

Strong oxidizing agents. Strong bases.

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Corrosive. Causes severe skin, eye, respiratory tract, and digestive tract burns.

Skin corrosion/irritation

Causes severe skin burns.

Serious eye damage/irritation

Causes severe eye damage.

Respiratory or skin sensitization

Causes respiratory tract burns. High concentrations: May cause lung damage.

Germ cell mutagenicity

No data available.

Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

Summary of evaluation of the CMR properties

This product is not expected to contribute to any of these properties.

STOT-single exposure

Safety Data Sheet

NAPCO 206

Not classified.

STOT-repeated exposure

Causes damage to organs (Lung) through prolonged or repeated exposure.

Aspiration hazard

Not available.

Additional information

Chronic effects: Sulfuric acid fumes over prolonged, repeated exposure may cause bronchitis, irritation of skin, mucous membranes and gastrointestinal tract and erosion of the teeth.

SECTION 12: Ecological information

Toxicity

Toxic to aquatic life with long lasting effects.

Persistence and degradability

This product is not expected to be readily biodegradable.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

No data available.

Other adverse effects

No data available.

SECTION 13: Disposal considerations

Disposal of the product

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Disposal of contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Waste treatment

Dispose of in accordance with local regulations.

Sewage disposal

Do not allow.

Other disposal recommendations

Dispose of contents/container in accordance with local/regional/national/international regulations.

Safety Data Sheet

NAPCO 206

SECTION 14: Transport information

DOT (US)

UN Number: UN3264

Class: 8

Packing Group: III

Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s (Sulfuric acid)

Reportable quantity (RQ): 1,000

Marine pollutant: Yes

Poison inhalation hazard: No

IMDG

UN Number: UN3264

Class: 8

Packing Group: III

EMS Number: F-A, S-B

Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S (SULFURIC ACID)

IATA

UN Number: UN3264

Class: 8

Packing Group: III

Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s (Sulfuric acid)

SECTION 15: Regulatory information

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

Massachusetts Right To Know Components

Chemical name: Sulfuric acid

CAS number: 7664-93-9

New Jersey Right To Know Components

Common name: SULFURIC ACID

CAS number: 7664-93-9

Pennsylvania Right To Know Components

Chemical name: Sulfuric acid

CAS number: 7664-93-9

California Prop. 65 components

Chemical name: Sulfuric acid (10-51%)

CAS number: 7664-93-9

03/14/2003 - Cancer

15.2 Chemical Safety Assessment

Read safety instructions, SDS, and emergency procedures before handling.

HMIS Rating

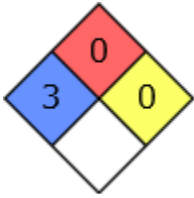
NAPCO 206	
HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

Safety Data Sheet

NAPCO 206

PERSONAL PROTECTION

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

The information contained herein is accurate to the best of our knowledge. However, data, safety standards and government regulations are subject to change and, therefore, holders and users should satisfy themselves that they are aware of all current data and regulations relevant to their particular use of product. NAPCO CHEMICAL COMPANY, INC. DISCLAIMS ALL LIABILITY FOR RELIANCE ON THE COMPLETENESS OR ACCURACY OR THE INFORMATION INCLUDED HEREIN. NAPCO CHEMICAL COMPANY, INC. MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PARTICULAR USE OR PURPOSE OF THE PRODUCT DESCRIBED HEREIN. All conditions relating to storage, handling, and use of the product are beyond the control of NAPCO Chemical Company, Inc., and shall be the sole responsibility of the holder or user of the product.