

SECTION 1: IDENTIFICATION**1.1 PRODUCT IDENTIFIER**

TRADE NAME	PROXITANE® AHC
Synonyms	Peracetic acid (PAA)
EPA Reg. No.	68660-11
Product Use	Antimicrobial
Product Family	Oxidizer

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SECTION 2: HAZARD IDENTIFICATION**PRODUCT AS SOLD (CONCENTRATE)****GHS ELEMENTS**

SIGNAL WORD: DANGER

HAZARD STATEMENTS:

Combustible liquid
May Intensify fire; oxidizer
May be corrosive to metals.
Harmful if swallowed, in contact with skin, or if inhaled.
Causes severe skin burns and eye damage
May cause respiratory irritation

PRECAUTIONARY STATEMENTS:Prevention

- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- Keep/Store away from clothing/ combustible materials.
- Take any precaution to avoid mixing with combustibles.
- Keep only in the original container.
- Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
- Wash skin thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response

- IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

CONCENTRATE AND AT-USE SDS

- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- Immediately call a POISON CENTER/doctor.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
- Wash contaminated clothing before reuse.
- In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
- Absorb spillage to prevent material damage.

Storage

- Store in a well-ventilated place. Keep the container tightly closed.
- Store in a well-ventilated place. Keep cool.
- Store locked up.
- Store in a corrosive resistant container with a resistant inner liner. Disposal
- Dispose of contents/ container to an approved waste disposal plant.

PRODUCT AT USE DILUTION

Not Classified as a Hazardous Product by GHS

SECTION 3: COMPOSITION / INFORMATION OF INGREDIENTS

PRODUCT AS SOLD (CONCENTRATE)

Chemical name	CAS-No.	Concentration [%]
Hydrogen peroxide (H ₂ O ₂)	7722-84-1	20 - 25
Acetic acid (Vinegar)	64-19-7	10 - 15
Ethaneperoxyic acid (PAA)	79-21-0	4 - 5
Alcohols, C9-11, ethoxylated (Surfactant)	68439-46-3	0.5 - 1.5

PRODUCT AT USE DILUTION

Chemical name	CAS-No.	Concentration [%]
Hydrogen peroxide (H ₂ O ₂)	7722-84-1	<0.08
Acetic acid (Vinegar)	64-19-7	< 0.04
Ethaneperoxyic acid (PAA)	79-21-0	< 0.02
Alcohols, C9-11, ethoxylated (Surfactant)	68439-46-3	<0.005

SECTION 4: FIRST AID MEASURES

PRODUCT AS SOLD (CONCENTRATE)

Description of first-aid measures

In case of inhalation

- Move to fresh air.
- Oxygen or artificial respiration if needed.
- Victim to lie down in the recovery position, cover and keep him warm.
- Call a physician immediately.

In case of skin contact

- Take off contaminated clothing and shoes immediately.
- Wash off immediately with plenty of water.
- Keep warm and in a quiet place.
- Call a physician or poison control center immediately.
- Wash contaminated clothing before re-use.

In case of eye contact

- Call a physician or poison control center immediately.
- Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- In the case of difficulty of opening the lids, administer an analgesic eye wash (oxybuprocaine).
- Take the victim immediately to hospital.

In case of ingestion

- Call a physician or poison control center immediately.
- Take the victim immediately to hospital.
- If swallowed, rinse the mouth with water (only if the person is conscious).
- Do NOT induce vomiting.
- Artificial respiration and/or oxygen may be necessary.

Most Important symptoms and effects, both acute and delayed

Causes severe skin burns and eye damage, burning of the mouth and throat, and esophagus.

Indication of any immediate medical attention and special treatment needed

Notes to physician

- Take the victim immediately to hospital.
- Immediate medical attention is required.
- Consult with an ophthalmologist immediately in all cases.
- Burns must be treated by a physician.

If swallowed

- Avoid gastric lavage (risk of perforation).
- Keep under medical supervision for at least 48 hours.

PRODUCT AS USE DILUTION

Description of first-aid measures

In case of inhalation

- Move to fresh air.
- Keep at rest
- Consult a physician if necessary

In case of skin contact

- Take off contaminated clothing and shoes immediately.

CONCENTRATE AND AT-USE SDS

- Wash off immediately with plenty of water.
- Use a mild soap if available
- If skin irritation occurs, seek medical advice/attention

In case of eye contact

- Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- If eye irritation persists, consult a physician

In case of ingestion

- Consult a physician if necessary.
- Keep at rest
- Rinse mouth with water.
- Do not induce vomiting without medical advice
- Artificial respiration and/or oxygen may be necessary.

Most Important symptoms and effects, both acute and delayed

Irritation

Indication of any immediate medical attention and special treatment needed

Treat symptomatically

SECTION 5: FIREFIGHTING MEASURES

PRODUCT AS SOLD (CONCENTRATE)

Flammability: Material is not flammable

Extinguishing Media: Water, Water Spray, CO₂, Foam, powder

Special Hazards During Fire Fighting: Oxygen released may support combustion.

Special Protective Equipment for Fire Fighter: In the event of a fire, wear self-contained breathing apparatus. Use personal protective equipment. Wear chemical resistant over suit. Cool containers/tanks with water spray.

PRODUCT AS USE DILUTION

Flammability: Material is not flammable

SECTION 6: ACCIDENTAL RELEASE MEASURES

PRODUCT AS SOLD (CONCENTRATE)

Personal Precautions, Protective Equipment and Emergency Procedures

Advice for non-emergency personnel

- Evacuate personnel to safe areas
- Keep people away from and upwind of spill/leak

Advice for emergency responders

- Use personal protective equipment.
- Keep wetted with water
- Prevent further leakage or spillage
- Keep away from incompatible products.

Environmental Precautions

- Discharge into the environment must be avoided
- Do not flush into surface water or sanitary sewer systems.

CONCENTRATE AND AT-USE SDS

- In case of accidental release or spill, immediately notify the appropriate authorities if required by Federal, State, and local laws and regulations.

Methods and Materials for Containment and Cleaning Up

- Dam up
- Soak up with inert absorbent material
- Do not let product enter drains
- Keep in suitable, closed containers for disposal
- Keep in properly labeled containers.

PRODUCT AS USE DILUTION

Personal Precautions, Protective Equipment and Emergency Procedures

- Avoid inhalation, ingestion, and contact with skin and eyes
- Wear suitable protective clothing
- Stop leak if safe to do

Environmental Precautions

- Take all necessary measures to avoid accidental discharge of products into drains and waterways

Methods and Materials for Containment and Cleaning Up

- Stop leak if safe to do

SECTION 7: HANDLING AND STORAGE

PRODUCT AS SOLD (CONCENTRATE)

Precautions for Safe Handling

- Never return unused material to the storage receptacle.
- Avoid contact with incompatible materials
- Keep away from heat.
- Ensure that eyewash stations and safety showers are close to the workstation location.
- Take off contaminated clothing and shoes immediately.
- Wash contaminated clothing before re-use.
- Wash hands after handling
- When using do not eat, drink or smoke.

Conditions for Safe Storage, Including any Incompatibilities

Technical Measures/Storage Conditions

- Store in the original container.
- Keep closed in a dry, cool and well-ventilated place.
- Keep in properly labeled containers.
- Keep in a contained area

Suitable Packaging Material

- Stainless steel cleaned and passivated
- Approved grades of HDPE.

PRODUCT AS USE DILUTION

Precautions for Safe Handling

- When using do not eat, drink or smoke.
- Wash hands after handling

Conditions for Safe Storage, Including any Incompatibilities

Technical Measures/Storage Conditions

CONCENTRATE AND AT-USE SDS

- Keep in properly labeled containers.

Suitable Packaging Material

- Plastic Containers

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

PRODUCT AS SOLD (CONCENTRATE)

NIOSH Concentrations

Components	Concentration
NIOSH IDLH Hydrogen peroxide (H ₂ O ₂)	75 ppm
NIOSH IDLH Acetic acid	50 ppm
NIOSH TWA Hydrogen peroxide (H ₂ O ₂)	1 ppm
NIOSH TWA Acetic acid	10 ppm

Exposure Controls

Engineering measures

- Provide adequate ventilation.

Respiratory Protection

- In case of insufficient ventilation, wear suitable respiratory equipment.
 - 3M organic vapor/acid gas (OV/AG),
 - 3M organic vapor (OV)
 - Mine Safety Appliance (MSA) multipurpose type (GME) (NIOSH approved for 10 gases and vapors).

Skin protection

Wear chemical resistant gloves and garment

Eye protection

- Chemical resistant goggles; Wear a face shield if risk of splashing.

Hygiene measures

- Ensure that eyewash stations and safety showers are close to the workstation location.
- Take off contaminated clothing and shoes immediately.
- Wash contaminated clothing before re-use.
- When using do not eat, drink or smoke.
- Wash hands after handling.

PRODUCT AS USE DILUTION

Exposure Controls

Engineering measures

- Provide adequate ventilation.

Respiratory protection

- None Required

Skin protection

- Avoid exposure to skin

Eye protection

- Safety glasses with side shields

Hygiene measures

- When using do not eat, drink or smoke
- Wash hands after using.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
PRODUCT AS SOLD (CONCENTRATE)

PHYSICAL STATE	Liquid
COLOR	Clear
ODOR	Vinegar
PH	<2
MELTING POINT	-44 F
BOILING POINT	221 F
FLASH POINT	165-181 F
VAPOR PRESSURE	22 mmHg (77F)
DENSITY	9.2 lb/gal
CORROSION	Corrosive to Metals

PRODUCT AS USE DILUTION

PHYSICAL STATE	Liquid
COLOR	Clear
ODOR	Slight Vinegar
PH	4-6
MELTING POINT	32 F
BOILING POINT	212 F
FLASH POINT	None
DENSITY	8.3 lb/gal
CORROSION	Not Corrosive

SECTION 10: STABILITY AND REACTIVITY
PRODUCT AS SOLD (CONCENTRATE)

Reactivity	Bases, metals, reducing agents and combustible materials.
Chemical Stability	Stable for up to 1 year in normal conditions.
Possibility of Hazardous Reactions	May react with incompatible materials.
Conditions to Avoid	Incompatible materials and high temperature.
Incompatible Materials	Bases, metals, reducing agents and combustible materials.
Hazardous Decomposition Products	None.

PRODUCT AS USE DILUTION

Reactivity	Bases, metals, reducing agents and combustible materials.
Chemical Stability	Recommend using within 4 hours of dilution. Recommended dilution using distilled water. Stability may be reduced with well water.
Possibility of Hazardous Reactions	None.
Conditions to Avoid	Incompatible materials and high temperature.
Incompatible Materials	Bases, metals, reducing agents and combustible materials.
Hazardous Decomposition Products	None.

SECTION 11: TOXICOLOGICAL INFORMATION
Information of Toxicological Effects
Acute Toxicity

Acute oral toxicity	LD50 : 652 mg/kg - Rat (12% PAA)
Acute inhalation toxicity	LD50 : 4H 4 mg/L - Rat (05% PAA)
Acute dermal toxicity	LD50 : 1,957 mg/kg - Rabbit (12% PAA)

Toxicity for reproduction and development

Toxicity to reproduction / fertility No toxicity to reproduction

Developmental Toxicity/Teratogenicity No effect observed - Rat (15% PAA)

SECTION 12: ECOLOGICAL INFORMATION
Toxicity

Acute toxicity to fish	LC50 - 96 h : 1.1 mg/l - Lepomis macrochirus (Bluegill Sunfish) Test substance: Peracetic acid
Acute toxicity to invertebrates	EC50 - 48 h : 0.73 mg/l - Daphnia magna (Water flea) Test substance: Peracetic acid

Persistence and Degradability

This product is considered to be rapidly degradable in the environment

Bioaccumulative Potential

None

Mobility in Soil

Water soluble, mobile

Other Adverse Effects

Toxic to aquatic life

SECTION 13: DISPOSAL CONSIDERATIONS
Waste Treatment Methods
Product disposal

- Contact waste disposal services.
- Dispose In accordance with local and national regulations.
- Do not discharge directly into the environment

Advice on cleaning and disposal of packaging

- Empty containers.
- Triple rinse container with water.
- Dispose of rinse water in accordance with local and national regulations.
- Where possible recycling is preferred to disposal or incineration.

SECTION 14: TRANSPORT INFORMATION
PRODUCT AS SOLD (CONCENTRATE)

UN Number	UN 3149
Proper Shipping Name	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURES, STABILIZED
Transport Hazard Class	5.1
Subsidiary Hazard Class	8
Labels	5.1 (8)
Packing Group	II
ERG No	140
Environmental Hazard	Yes
Marine Pollutant	Marine Pollutant

PRODUCT AS USE DILUTION

Not a Regulated Product For Transport

SECTION 15: REGULATORY INFORMATION
Federal Regulations

FIFRA: Classification/Hazard Labeling, as outlined by the US EPA.

TSCA: All components are listed on TSCA inventory

Section 313 Toxic Chemicals (40 CFR 372.65)

Components	CAS-No.	Threshold planning quantity	Remarks
Hydrogen peroxide (H ₂ O ₂)	7722-84-1	1000 lb	Form: >52-100%
Ethaneperoxoic acid (PAA)	79-21-0	500 lb	

Section 302 Emergency Planning Extremely Hazardous Substance Reportable Quantity (40 CFR 355)

Components	CAS-No.	Reportable quantity
Hydrogen peroxide (H ₂ O ₂)	7722-84-1	1000 lb
Ethaneperoxoic acid (PAA)	79-21-0	500 lb

Section 304 Emergency Release Notification Reportable Quantity (40 CFR 355)
US. EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4)

Components	CAS-No.	Reportable quantity
Acetic acid (Vinegar)	64-19-7	5000 lb

State Regulations

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

SECTION 16: OTHER INFORMATION

PRODUCT AS SOLD (CONCENTRATE)

NFPA (National Fire Protection Association) - Classification

Health	3 serious
Flammability	1 slight
Instability or Reactivity	2 moderate
Special Notices	OX Oxidizer

PRODUCT AS USE DILUTION

NFPA (National Fire Protection Association) - Classification

Health	2 moderate
Flammability	0 minimal
Instability or Reactivity	0 minimal
Special Notices	None