

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

DANGER. CORROSIVE.

Causes irreversible eye damage and causes skin burns. Do not get in eyes, on skin, or on clothing. May be fatal if swallowed or inhaled. Do not breathe vapor or spray mist.

Wear a respirator with an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P, or HE prefilter.

When handling, wear goggles or face shield, rubber gloves, chemically resistant coveralls or apron worn over long-sleeved shirt, long pants, socks and chemically resistant footwear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove and wash contaminated clothing before reuse.

PHYSICAL AND CHEMICAL HAZARDS

Strong oxidizing agent. Corrosive. Contact with combustibles may cause fire. Contamination may cause rapid decomposition, generation of large quantities of oxygen and heat.

ENVIRONMENTAL HAZARDS

This product is toxic to birds, fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the authority has been notified in writing. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage plant authority. For guidance contact your State Water Board or Regional Office of the U.S. Environmental Protection Agency.

PROXITANE® AHC

Liquid Disinfectant One-Step Cleaner Disinfectant
For Industrial/Institutional/Animal Facilities/Farm Use Only

Active Ingredients:	
Hydrogen Peroxide.....	22.75%
Peroxyacetic Acid.....	5.24%
Inert Ingredients.....	72.01%
TOTAL:	100.00%

STRONG OXIDING AGENT
KEEP OUT OF REACH OF CHILDREN
DANGER

FIRST AID
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
If in eyes
<ul style="list-style-type: none"> - Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. - Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. - Call a poison control center or doctor for treatment advice.
If on skin or clothing
<ul style="list-style-type: none"> - Take off contaminated clothing. - Rinse skin immediately with plenty of water for 15 – 20 minutes. - Call a poison control center or doctor for treatment advice.
If inhaled
<ul style="list-style-type: none"> - Move person to fresh air. - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. - Call a poison control center or doctor for further treatment advice.
If swallowed
<ul style="list-style-type: none"> - Call a poison control center or doctor immediately for treatment advice. - Drink promptly large quantities of water. - Do not induce vomiting unless told to do so by a poison control center or doctor. - Do not give anything by mouth to an unconscious person.
CALL THE POISON CONTROL CENTER at 800-222-1222 OR PHYSICIAN IMMEDIATELY FOR EMERGENCY MEDICAL INFORMATION.
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE: Store in original vented container in a dry location away from heat and out of direct sunlight. In case of fire involving product, use water. In case of large quantities of spilled material, dike with sand or earth. Dilute with large quantities of water.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide spray mixture, or rinsate, is a violation of federal law. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment of mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Drain application equipment for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

CONTAINER DISPOSAL:
Plastic Containers (300 gallon tote and Stainless Steel Containers (300 gallon tote, 4,500 gallon tank trucks, and 20,000 gallon railcars): Return for reuse.
Plastic containers (1 pint, 1 quart, and 1.5, 30, and 55 gallon drums): Triple rinse (or equivalent). Offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.
Glass Containers (1 pint, 1 quart, and 1 gallon): Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent). Then dispose of in a sanitary landfill or by other approved state and local procedures.

Solvay Chemicals, Inc.
3333 Richmond Avenue
Houston TX 77098 USA
(713) 525-6500

For Emergency, Call Chemtree® (800) 424-9300

EPA Reg. No. 68660-11 EPA Est. No. 60156-IL-1

Net Wt: Type here (include units)

Lot No.: Type Here

Weight per Gallon: 9.2 lbs.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Proxitan[®] AHC is a broad spectrum disinfectant that is effective against both gram positive and gram negative bacteria, viruses, and fungi including *Staphylococcus aureus*, *Salmonella enterica*, *Trichophyton mentagrophytes*, Vesicular Stomatitis Virus, Porcine Respiratory and Reproductive Syndrome Virus, Influenza A Virus, Infectious Bovine Rhinotracheitis Virus, Rhinovirus Type 37, Infectious Bursal Disease Virus, Newcastle Disease Virus, and Avian Influenza Virus (H3N2). Proxitan[®] AHC may be used in commercial, institutional, industrial, and veterinary environments to clean, disinfect, and deodorize hard, nonporous inanimate surfaces, such as the following:

- Floors, walls, and other nonporous surfaces, including tables, chairs, countertops, garbage cans, garbage bins, bathroom fixtures, sinks, bed frames, shelves, racks, carts, refrigerators, coolers, glazed tile, linoleum, vinyl, glazed porcelain, plastic (e.g., polypropylene and polyethylene), stainless steel, and glass.
- Schools, colleges, industrial facilities, dietary areas, office buildings, recreational facilities, and retail and wholesale establishments, pharmaceutical and cosmetic manufacturing facilities.
- Animal hospitals, veterinary clinics, animal life science laboratories, kennels, kennel runs, cages, feeding and watering equipment, pet shops, zoos, pet animal quarters, poultry premises, trucks, hatcheries, and livestock quarters.

Environmental Surface Disinfection

- Prepare the disinfectant use solution, by adding 2.04 oz of Proxitan[®] AHC to 5 gallons of water (provides 796 ppm hydrogen peroxide and 184 ppm peroxyacetic acid).
- For heavily soiled surfaces, remove gross filth and soils with a detergent or suitable cleaning product and then rinse surface with water.
- Apply the disinfectant use solution by wiping, mopping, or spraying (use a coarse spray device) onto the surface to be treated. Let the product remain on the treated surface for at least 10 minutes and then allow to air dry.

Disinfection Use Rates for Viruses and Fungi

- Prepare the disinfectant use solution, by adding 1.92 oz of Proxitan[®] AHC to 5 gallons of water (provides 682 ppm hydrogen peroxide and 157 ppm peroxyacetic acid).
- For heavily soiled surfaces, remove gross filth and soils with a detergent or suitable cleaning product and then rinse surface with water.
- Apply disinfecting solution via wiping, mopping, or spraying (use a coarse spray device) onto the surface to be treated. Let the product remain on the treated surface for at least 10 minutes and then allow to air dry.

Disinfection and Deodorizing of Animal Housing Facilities and Buildings, Farm Equipment, Poultry Premises, Coops, Trucks, and Crates

- Remove all animals/poultry from the facilities/items/areas to be disinfected.
- Remove gross soils, litter, droppings, etc. with a warm water flush or by sweeping.
- Empty all troughs, racks, and other feeding and watering equipment.
- Thoroughly clean all surfaces with detergent or cleaning solution and rinse with water.
- Prepare a disinfecting solution by adding 2.04 oz of Proxitan[®] AHC to 5 gallons of water (provides 796 ppm hydrogen peroxide and 184 ppm peroxyacetic acid).
- Make sure area is well-ventilated prior to initiating treatment.
- To disinfect, saturate surfaces with disinfecting solution for at least 10 minutes.
- Thoroughly scrub treated feed equipment (e.g., feed racks, troughs, fountains, etc.) with a detergent and rinse with water prior to reuse.
- Keep animals/poultry out of treatment area and/or do not use treated equipment until solution has been completely absorbed and air dried.

Poultry Hatchery Disinfection

- Remove any eggs, chicks, poultry and feeds along with all gross soils and other hatching-related debris.
- Thoroughly clean all surfaces with an appropriate detergent or cleaning solution; then rinse with water.
- Prepare a disinfecting solution by adding 2.04 oz of Proxitan[®] AHC to 5 gallons of water (provides 796 ppm hydrogen peroxide and 184 ppm peroxyacetic acid).
- Make sure area is well-ventilated prior to initiating treatment.
- Apply disinfecting solution via wiping, mopping, or spraying (use a coarse spray device) onto the surface to be treated. Let the product soak in on the treated surface for at least 10 minutes and then allow to air dry.
- Reintroduce eggs and chicks after all surfaces have dried.

Fogging

Proxitan[®] AHC is for disinfecting hard, nonporous surfaces in rooms as an adjunct to manual cleaning and disinfecting of room surfaces.

- Before fogging, remove or protect all food products and packaging materials. Remove all animals/poultry from the facilities/items/areas to be fogged.
- Be sure the room is properly ventilated. All personnel must vacate the room during fogging and for at least two hours following the fogging treatment. Before personnel return to the treated area, make sure there is no strong odor of acetic acid present.
- Fog areas using one quart per 1000 cubic feet of room area with a solution of 2.04 oz of Proxitan[®] AHC for every 5 gallons of water.
- Let all surfaces drain thoroughly before resuming operations in the treated area.

EPA Reg. No. 68860-11

EPA Est. No. 60156-IL-1

Manufactured for:
Solvay Chemicals, Inc.
3333 Richmond Avenue
Houston TX 77098 USA
(713) 525-6500

For Emergency, Call Chemtrec® (800) 424-9300

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PROXITANE® AHC

Revision Date 09/10/2018

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

- Trade name PROXITANE® AHC
- Synonyms Peracetic acid
- Molecular formula CH₃-COOOH

Distributed By: PVS NOLWOOD CHEMICALS, INC. 10900 Harper Avenue Detroit, MI 48213 (313) 925-0300	
PVS ITEM #	PVS SDS #
16379	5435

1.2 Relevant identified uses of the substance or mixture and uses advised against**Uses of the Substance / Mixture**

- Pesticide
- It is a violation of federal law to use this product in a manner inconsistent with its labeling.
- Contact your supplier for additional information

CONTROLLED DOCUMENT
IF STAMPED IN RED

1.3 Details of the supplier of the safety data sheet**Company**

SOLVAY CHEMICALS, INC.
3737 Buffalo Speedway,
Suite 800,
Houston, TX 77098
USA
Tel: +1-800-7658292; +1-713-5256800
Fax: +1-713-5257804

1.4 Emergency telephone

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CONTACT CHEMTREC (24-Hour Number): 800-424-9300 within the United States and Canada, or 703-527-3887 for international collect calls.

SECTION 2: Hazards identification

Although OSHA has not adopted the environmental portion of the GHS regulations, this document may include information on environmental effects.

2.1 Classification of the substance or mixture**HCS 2012 (29 CFR 1910.1200)**

Flammable liquids, Category 4	H227: Combustible liquid.
Oxidizing liquids, Category 2	H272: May intensify fire; oxidizer.
Corrosive to Metals, Category 1	H290: May be corrosive to metals.
Acute toxicity, Category 4	H302: Harmful if swallowed.
Acute toxicity, Category 4	H332: Harmful if inhaled.
Acute toxicity, Category 4	H312: Harmful in contact with skin.
Skin corrosion, Category 1B	H314: Causes severe skin burns and eye damage.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Specific target organ systemic toxicity - single exposure, Category 3	H335: May cause respiratory irritation. (Respiratory system)

2.2 Label elements

HCS 2012 (29 CFR 1910.1200)

Pictogram



Signal Word

- Danger

Hazard Statements

- H227 Combustible liquid.
- H272 May intensify fire; oxidizer.
- H290 May be corrosive to metals.
- H302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled.
- H314 Causes severe skin burns and eye damage.
- H335 May cause respiratory irritation.

Precautionary Statements

Prevention

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P220 Keep/Store away from clothing/ combustible materials.
- P221 Take any precaution to avoid mixing with combustibles.
- P234 Keep only in original container.
- P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
- P264 Wash skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response

- P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
- 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.
- P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
- P305 + P351 + P338 + P310 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.
- P363 Wash contaminated clothing before reuse.
- P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
- P390 Absorb spillage to prevent material damage.

Storage

- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
- P403 + P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.
- P406 Store in corrosive resistant container with a resistant inner liner.

Disposal

- P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Other hazards which do not result in classification

- H401: Toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.

SECTION 3: Composition/information on ingredients**3.1 Substance**

- Not applicable, this product is a mixture.

3.2 Mixture

- Synonyms Peracetic acid, Peroxyethanoic acid, PAA
- Formula CH₃-COOOH
- Chemical nature Mixture

Hazardous Ingredients and Impurities

Chemical name	Identification number CAS-No.	Concentration [%]
Hydrogen peroxide (H ₂ O ₂)	7722-84-1	>= 20 - < 25
Acetic acid	64-19-7	>= 10 - < 15
Ethaneperoxoic acid	79-21-0	>= 5 - < 10
Alcohols, C9-11, ethoxylated	68439-46-3	>= 1 - < 3

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: First aid measures**4.1 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 victim immediately to hospital.

In case of ingestion

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

4.2 Most important symptoms and effects, both acute and delayed**In case of inhalation****Symptoms**

- Breathing difficulties
- Cough
- Chemical pneumonitis
- pulmonary edema

Effects

- Severe respiratory irritant

Repeated or prolonged exposure

- Nose bleeding
- Risk of chronic bronchitis

In case of skin contact**Symptoms**

- Redness
- Swelling of tissue
- Burn

Effects

- Corrosive

In case of eye contact**Symptoms**

- Redness
- Lachrymation
- Swelling of tissue
- Burn

Effects

- Corrosive
- May cause irreversible eye damage.

In case of ingestion**Symptoms**

- Nausea
- Abdominal pain
- Bloody vomiting
- Diarrhea
- Suffocation
- Cough
- Severe shortness of breath

Effects

- If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.
- Risk of respiratory disorder

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician

- Take 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.

SECTION 5: Firefighting measures

Flash point 165 - 181 °F (74 - 83 °C)
Method: closed cup

Autoignition temperature No data available

Flammability / Explosive limit No data available

5.1 Extinguishing media**Suitable extinguishing media**

- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Water
- Water spray

Unsuitable extinguishing media

- None.

5.2 Special hazards arising from the substance or mixture**Specific hazards during fire fighting**

- May cause fire or explosion; strong oxidizer.
- Oxygen released in thermal decomposition may support combustion

Hazardous combustion products:

- Oxygen

5.3 Advice for firefighters**Special protective equipment for fire-fighters**

- In the event of fire, wear self-contained breathing apparatus.
- Use personal protective equipment.
- Wear chemical resistant oversuit
- Cool containers/tanks with water spray.
- Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures**6.1 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.
- Drying of this product on clothing or combustible materials may cause fire.
- Keep wetted with water.
- Prevent further leakage or spillage.
- Keep away from incompatible products

6.2 Environmental precautions

- Discharge into the environment must be avoided.
- Do not flush into surface water or sanitary sewer system.
- In case of accidental release or spill, immediately notify the appropriate authorities if required by Federal, State/Provincial and local laws and regulations.

6.3 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.

6.4 Reference to other sections

- Refer to protective measures listed in sections 7 and 8.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

- Use only in well-ventilated areas.
- Before all operations, passivate the piping circuits and vessels according to the procedure recommended by the producer.
- Use only clean and dry utensils.
- Never return unused material to storage receptacle.
- May not get in touch with:
 - Organic materials
- Keep away from heat.
- Keep away from incompatible products

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 before breaks and at the end of workday.
- Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

- Store in original container.
- Keep tightly closed in a dry, cool and well-ventilated place.
- Keep in properly labeled containers.
- Keep in a contained area
- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- Electrical equipment should be protected to the appropriate standard.
- Keep away from:
- Incompatible products
- OP Storage (Burning Rate) Type IV according to the BGV B4 test method

Packaging material**Suitable material**

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

7.3 Specific end use(s)

- Contact your supplier for additional information

SECTION 8: Exposure controls/personal protection

Introductory Remarks: These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

8.1 Control parameters**Components with workplace occupational exposure limits**

Components	Value type	Value	Basis
Hydrogen peroxide (H2O2)	TWA	1 ppm 1.4 mg/m3	National Institute for Occupational Safety and Health
Hydrogen peroxide (H2O2)	TWA	1 ppm	American Conference of Governmental Industrial Hygienists
Hydrogen peroxide (H2O2)	TWA	1 ppm 1.4 mg/m3	Occupational Safety and Health Administration - Table Z-1 Limits for Air Contaminants
The value in mg/m3 is approximate.			
Hydrogen peroxide (H2O2)	PEL	1 ppm 1.4 mg/m3	
Expressed as :H2O2			
Acetic acid	TWA	10 ppm 25 mg/m3	National Institute for Occupational Safety and Health
Can be found in concentrations of 5-8% in vinegar			
Acetic acid	ST	15 ppm 37 mg/m3	National Institute for Occupational Safety and Health
Can be found in concentrations of 5-8% in vinegar			

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SAFETY DATA SHEET

PROXITANE® AHC

Revision Date 09/10/2018

Acetic acid	TWA	10 ppm	American Conference of Governmental Industrial Hygienists
Acetic acid	STEL	15 ppm	American Conference of Governmental Industrial Hygienists
Acetic acid	TWA	10 ppm 25 mg/m3	Occupational Safety and Health Administration - Table Z-1 Limits for Air Contaminants
		The value in mg/m3 is approximate.	
Acetic acid	PEL	10 ppm 25 mg/m3	
Acetic acid	STEL	15 ppm 37 mg/m3	
Acetic acid	C	40 ppm	
Ethaneperoxoic acid	STEL	0.4 ppm	American Conference of Governmental Industrial Hygienists
		Form of exposure : Inhalable fraction and vapor	

NIOSH IDLH (Immediately Dangerous to Life or Health Concentrations)

Components	CAS-No.	Concentration
Hydrogen peroxide (H2O2)	7722-84-1	75 ppm
Acetic acid	64-19-7	50 ppm

8.2 Exposure controls**Control measures****Engineering measures**

- Provide adequate ventilation.
- Apply technical measures to comply with the occupational exposure limits.

Individual protection measures**Respiratory protection**

- In case of insufficient ventilation, wear suitable respiratory equipment.
- Respirator with a vapor filter (EN 141)
- Recommended Filter type: ABEK-P2

Hand protection

- Impervious gloves
- Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Suitable material

- butyl-rubber
- Break through time: > 480 min
- Glove thickness: >= 0.4 mm

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Eye protection

- Chemical resistant goggles must be worn.
- If splashes are likely to occur, wear:
 - Tightly fitting safety goggles
 - Face-shield

Skin and body protection

- Apron/boots of butyl rubber 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 before breaks and at the end of workday.
- Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and chemical properties

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product information phone number in Section 1 for its exact specifications.

9.1 Information on basic physical and chemical properties

<u>Appearance</u>	<u>Physical state:</u> liquid <u>Color:</u> colorless
<u>Odor</u>	pungent
<u>Odor Threshold</u>	No data available
<u>pH</u>	< 2.0 <u>pKa:</u> 8.2 (77 °F (25 °C))
<u>Melting point/freezing point</u>	ca. -44 °F (-42 °C) Method: Calculation method
<u>Initial boiling point and boiling range</u>	ca. <u>Boiling point/boiling range:</u> 221 °F (105 °C) Method: Calculation method
<u>Flash point</u>	165 - 181 °F (74 - 83 °C) Method: closed cup
<u>Evaporation rate (Butylacetate = 1)</u>	No data available
<u>Flammability (solid, gas)</u>	Not applicable
<u>Flammability (liquids)</u>	The product is not flammable., Heating may cause a fire.
<u>Flammability / Explosive limit</u>	<u>Explosiveness:</u> Not explosive
<u>Autoignition temperature</u>	No data available

<u>Vapor pressure</u>	ca. 24 mmHg (32 hPa) (77 °F (25 °C)) Method: Calculation method
<u>Vapor density</u>	No data available
<u>Density</u>	<u>Bulk density:</u> Not applicable
<u>Relative density</u>	1.1
<u>Solubility</u>	<u>Water solubility:</u> completely miscible <u>Solubility in other solvents:</u> common organic solvents : soluble Aromatic solvents : slightly soluble
<u>Partition coefficient: n-octanol/water</u>	log Pow: -1.25 Method: Calculation method log Pow: -0.52 Method: measured value
<u>Decomposition temperature</u>	>= 140 °F (>= 60 °C) Self-Accelerating decomposition temperature (SADT)
<u>Viscosity</u>	No data available
<u>Explosive properties</u>	No data available
<u>Oxidizing properties</u>	The substance or mixture is classified as oxidizing with the category 2. Oxidizer
9.2 Other information	
<u>Henry's Constant</u>	22 Pa.m ³ / mol not significant, Air, Volatility
<u>Corrosion of Metals</u>	Corrosive to metals

SECTION 10: Stability and reactivity

10.1 Reactivity

- Decomposes on heating.
- Heating may cause a fire.
- Potential for exothermic hazard

10.2 Chemical stability

- Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

- Contact with combustible material may cause fire.
- Contact with flammables may cause fire or explosions.
- Risk of explosion if heated under confinement.
- Fire or intense heat may cause violent rupture of packages.

10.4 Conditions to avoid

- Contamination
- To avoid thermal decomposition, do not overheat.

10.5 Incompatible materials

- Acids
- Bases
- Metals
- Heavy metal salts
- Powdered metal salts
- Reducing agents
- Organic materials
- Flammable materials

10.6 Hazardous decomposition products

- Oxygen

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity**

Acute oral toxicity LD50 : 652 mg/kg - Rat
Test substance: 11,7 % PAA mixture

Acute inhalation toxicity LC50 - 4 h (dust/mist) 4 mg/l - Rat
Test substance: 5 % PAA mixture

Acute dermal toxicity LD50 Dermal 1,957 mg/kg - Rabbit
Test substance: 11,7 % PAA mixture

Acute toxicity (other routes of administration) No data available

Skin corrosion/irritation Rabbit
Causes burns.

Serious eye damage/eye irritation Rabbit
Causes serious eye damage.

Respiratory or skin sensitization Guinea pig
Did not cause sensitization on laboratory animals.

Mutagenicity

Genotoxicity in vitro In vitro tests have shown mutagenic effects.

Genotoxicity in vivo Animal testing did not show any mutagenic effects.

Carcinogenicity No data available

This product does not contain any ingredient designated as probable or suspected human carcinogens by:

NTP
IARC
OSHA

Toxicity for reproduction and development

Toxicity to reproduction / fertility No toxicity to reproduction

Developmental Toxicity/Teratogenicity Rat
Test substance, 15 % PAA mixture, No effect observed on development,
Published data

STOT

STOT-single exposure May cause respiratory irritation.

STOT-repeated exposure The substance or mixture is not classified as specific target organ toxicant,
repeated exposure according to GHS criteria.

Ingestion 13 weeks - Rat
NOAEL: 0.75 mg/kg
Test substance: Peracetic acid

Oral 90-day - Mouse
NOAEL: 100 ppm
Test substance: Hydrogen peroxide

Inhalation 90-day - Rat
NOAEL: 7 ppm
Test substance: Hydrogen peroxide

Experience with human exposure

Experience with human exposure : Inhalation
No data available

Experience with human exposure : Ingestion
No data available

CMR effects**Carcinogenicity**

Acetic acid

No evidence of carcinogenicity in animal studies.

Mutagenicity

Acetic acid

Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Aspiration toxicity

Not applicable

Further information

No data available

SECTION 12: Ecological information**12.1 Toxicity****Aquatic Compartment****Acute toxicity to fish**LC50 - 96 h : 1.1 mg/l - *Lepomis macrochirus* (Bluegill sunfish)
Test substance: Peracetic acid**Acute toxicity to daphnia and other aquatic invertebrates**EC50 - 48 h : 0.73 mg/l - *Daphnia magna* (Water flea)
Test substance: Peracetic acid**Toxicity to aquatic plants**EC50 - 96 h : 0.16 mg/l - *Pseudokirchneriella subcapitata* (green algae)
Test substance: Peracetic acid**Toxicity to microorganisms**Test substance: Peracetic acid
No data available**Chronic toxicity to fish**NOEC: 0.00094 mg/l - 33 Days - *Danio rerio* (zebra fish)
Early-life Stage
Test substance: Peracetic acid**Chronic toxicity to daphnia and other aquatic invertebrates**Test substance: Peracetic acid
No data available**M-Factor**

Ethaneperoxoic acid

Acute aquatic toxicity = 1
Chronic aquatic toxicity = 10
(according to the Globally Harmonized System (GHS))

12.2 Persistence and degradability

Abiotic degradation No data available

Physical- and photo-chemical elimination No data available

Biodegradation**Biodegradability**

aerobic
Biodegradable

Effects on waste water treatment plants
Inhibitor

Method: Abiotic degradation

Degradability assessment

Hydrogen peroxide (H₂O₂) The product is considered to be rapidly degradable in the environment

Acetic acid The product is considered to be rapidly degradable in the environment

Ethaneperoxyic acid The product is considered to be rapidly degradable in the environment

12.3 Bioaccumulative potential**Partition coefficient: n-octanol/water**

Hydrogen peroxide (H₂O₂) Not potentially bioaccumulable

Acetic acid Not potentially bioaccumulable

Ethaneperoxyic acid Not potentially bioaccumulable

Bioconcentration factor (BCF) Does not bioaccumulate.

12.4 Mobility in soil**Adsorption potential (K_{oc})**

Water
soluble
mobile

Soil/sediments
non-significant adsorption

Known distribution to environmental compartments

Hydrogen peroxide (H₂O₂) Ultimate destination of the product: Water

Ethaneperoxyic acid Ultimate destination of the product: Water

12.5 Results of PBT and vPvB assessment This mixture contains no substance considered to be persistent, bioaccumulating, and toxic (PBT).
This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

12.6 Other adverse effects

Ecotoxicity assessment

Short-term (acute) aquatic hazard Information refers to the main ingredient.

Long-term (chronic) aquatic hazard Information refers to the main ingredient.

Very toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product Disposal

- Contact manufacturer.
- Contact waste disposal services.
- In accordance with local and national regulations.

Advice on cleaning and disposal of packaging

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

SECTION 14: Transport information

Transportation status: IMPORTANT! Statements below provide additional data on listed transport classification. The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

DOT

14.1 UN number	UN 3149
14.2 Proper shipping name	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURES, STABILIZED
14.3 Transport hazard class	5.1
Subsidiary hazard class	8,
Label(s)	5.1, (8,)
14.4 Packing group	
Packing group	II
ERG No	140

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14.5 Environmental hazards
Marine pollutant

YES
Marine Pollutant

TDG

14.1 UN number

UN 3149

14.2 Proper shipping name

HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE
STABILIZED

14.3 Transport hazard class
Subsidiary hazard class
Label(s)

5.1
8
5.1 (8)

14.4 Packing group
Packing group
ERG No

II
140

14.5 Environmental hazards
Marine pollutant

YES
Marine Pollutant

NOM

14.1 UN number

UN 3149

14.2 Proper shipping name

HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE,
STABILIZED

14.3 Transport hazard class
Subsidiary hazard class
Label(s)

5.1
8
5.1 (8)

14.4 Packing group
Packing group
ERG No

II
140

14.5 Environmental hazards
Marine pollutant

YES

IMDG

14.1 UN number

UN 3149

14.2 Proper shipping name

HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE,
STABILIZED

14.3 Transport hazard class
Subsidiary hazard class
Label(s)

5.1
8
5.1 (8)

14.4 Packing group
Packing group

II

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14.5 Environmental hazards
Marine pollutant NO

14.6 Special precautions for user
EmS F-H , S-Q

For personal protection see section 8.

IATA

14.1 UN number UN 3149

14.2 Proper shipping name HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE
STABILIZED

14.3 Transport hazard class 5.1
Subsidiary hazard class: 8
Label(s): 5.1 (8)

14.4 Packing group
Packing group II

Packing instruction (cargo aircraft) 554
Max net qty / pkg 5.00 L
Packing instruction (passenger aircraft) 550
Max net qty / pkg 1.00 L

14.5 Environmental hazards YES

14.6 Special precautions for user
For personal protection see section 8.

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transportation regulations for hazardous materials, it would be advisable to check their validity with your sales office.

SECTION 15: Regulatory information**15.1 Notification status**

Inventory Information	Status
Mexico INSQ (INSQ)	- Listed on Inventory
New Zealand. Inventory of Chemical Substances	- Listed on Inventory
United States TSCA Inventory	- Listed on Inventory
Canadian Domestic Substances List (DSL)	- Listed on Inventory
Australia Inventory of Chemical Substances (AICS)	- Listed on Inventory
Japan. CSCL - Inventory of Existing and New Chemical Substances	- Listed on Inventory
Korea. Korean Existing Chemicals Inventory (KECI)	- Listed on Inventory
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	- Listed on Inventory
China. Inventory of Existing Chemical Substances in China (IECSC)	- Listed on Inventory
EU. European Registration, Evaluation, Authorisation and Restriction of Chemical (REACH)	- When purchased from a European Solvay legal entity, this product is compliant with the registration provisions of the REACH Regulation (EC) No. 1907/2006 as all its components are either excluded, exempt, and/or registered. When purchased from a legal entity outside of Europe, please contact your local representative for additional information.

15.2 Federal Regulations**US. EPA EPCRA SARA Title III****SARA HAZARD DESIGNATION SECTIONS 311/312 (40 CFR 370)**

Flammable (gases, aerosols, liquids, or solids)	Yes
Oxidizer (liquid, solid or gas)	Yes
Corrosive to Metals	Yes
Acute toxicity (any route of exposure)	Yes
Skin corrosion or irritation	Yes
Serious eye damage or eye irritation	Yes
Specific target organ toxicity (single or repeated exposure)	Yes

The categories not mentioned are not relevant for the product.

Section 313 Toxic Chemicals (40 CFR 372.65)

The following components are subject to reporting levels established by SARA Title III, Section 313:

Components	CAS-No.	Concentration
Ethaneperoxyic acid	79-21-0	5- 10%

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Components	CAS-No.	Threshold planning quantity	Remarks
Hydrogen peroxide (H2O2)	7722-84-1	1000 lb	Form: >52-100%
Ethaneperoxoic acid	79-21-0	500 lb	

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

Components	CAS-No.	Reportable quantity
Hydrogen peroxide (H2O2)	7722-84-1	1000 lb
Ethaneperoxoic acid	79-21-0	500 lb

Section 304 Emergency Release Notification Reportable Quantity (40 CFR 355)

Components	CAS-No.	Reportable quantity
Hydrogen peroxide (H2O2)	7722-84-1	1000 lb
Ethaneperoxoic acid	79-21-0	500 lb

US. EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4)

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

15.3 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**NFPA (National Fire Protection Association) - Classification**

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

HMIS (Hazardous Materials Identification System (Paint & Coating)) - Classification

Health	3 serious
Flammability	1 slight
Reactivity	2 moderate
PPE	Determined by User; dependent on local conditions

Further information

- Product evaluated under the US GHS format.

Date Prepared: 09/10/2018

Key or legend to abbreviations and acronyms used in the safety data sheet

- C Ceiling
- PEL Permissible exposure limit
- ST STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday

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- STEL	Short term exposure limit
- TWA	8-hour, time-weighted average
- ACGIH	American Conference of Governmental Industrial Hygienists
- OSHA	Occupational Safety and Health Administration
- NTP	National Toxicology Program
- IARC	International Agency for Research on Cancer
- NIOSH	National Institute for Occupational Safety and Health

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose, and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in any other manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.