

SAFETY DATA SHEET

Classified in accordance with 29 CFR 1910.1200



Oximycin^{P5}

SECTION 1. IDENTIFICATION

Product identifier: Oximycin^{P5}

Recommended restrictions

Recommended Use: Algaecide and Oxidizer (containing oxidizing agents for industrial use)

Restrictions on use: Not determined

EPA Registration No.: 54289-3-67690

Supplier: SePRO Corporation
11550 North Meridian Street, Suite 600
Carmel, IN 46032 U.S.A.
Tel: 317-580-8282/Toll free: 1-800-419-7779
Fax: 317-580-8290
Monday - Friday, 8 am to 5 pm EST www.sepro.com

Emergency telephone number: INFOTRAC – 24-hour service 1-800-535-5053

The following recommendations for exposure controls and personal protection are intended for the manufacture, formulation and packaging of this product.
For applications and/or use, consult the product label. The label directions supersede the text of this Safety Data Sheet for application and/or use.

SECTION 2. HAZARDS IDENTIFICATION

Hazard Classification

Physical Hazards

Organic peroxides Type G
Corrosive to metal Category 1

Health Hazards

Acute toxicity (oral) Category 4
Acute toxicity (dermal) Category 4
Acute toxicity (inhalation - dust and mist) Category 4
Skin corrosion/irritation Category 1
Serious eye damage/eye irritation Category 1
Specific target organ toxicity - single exposure Category 3 (Respiratory track irritation)

Environmental Hazards

Acute hazards to the aquatic environment Category 2
Chronic hazards to the aquatic environment Category 1

Label Elements

Hazard Symbol:





Signal word: Danger

Hazard statements: May be corrosive to metals
 Harmful if swallowed, in contact with skin or inhaled
 Causes severe skin burns and eye damage
 May cause respiratory irritation
 Very toxic to aquatic life with long lasting effects

Precautionary statements

Prevention: Keep only in original package. Wear protective gloves/protective clothing/eye protection. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapor/spray. Use personal protective equipment as required. Avoid release to the environment.

Response: IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTRE or doctor. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage. Collect spillage.

Storage: Store in a corrosion-resistant container with a resistant inner liner. Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC): None

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: This product is a mixture.

Chemical Identity	Common Name and Synonyms	CAS Number	Content in Percent (%*)
Peracetic acid		79-21-0	4.5-5.4%
Hydrogen peroxide		7722-84-1	≥25% and <30%
Acetic acid		64-19-7	≥7% and <13%

*All are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. The exact concentration is withheld as a trade secret.

Composition comments: Preparation of perethanoic acid, hydrogen peroxide, ethanoic acid and water in balance.

SECTION 4. FIRST AID MEASURES

Description of necessary first-aid measures

General information: Pay attention to self-protection. Remove victims from hazardous area. Immediately remove soiled or soaked clothing and remove it to a safe distance. Keep victim warm, in a stabilized position and covered. Do not leave victims unattended. If the casualty is unconscious. Place the victim in the recovery position.



Inhalation:	Potential for exposure by inhalation if aerosols and mists are generated. Move victims into fresh air. With labored breathing: Provide with oxygen. Consult a doctor. If the casualty is not breathing: perform mouth-to-mouth resuscitation, notify emergency physician immediately.
Skin contact:	Take off all contaminated clothing immediately. Wash off affected area immediately with plenty of water for at least 15 minutes. If symptoms persist, consult a physician for treatment.
Eye contact:	With eye held open, thoroughly rinse immediately with plenty of water for at least 10 minutes. Consult an ophthalmologist immediately if the symptoms persist. When dealing with caustic substances, notify emergency physician immediately (key words: burns in eye).
Ingestion:	Rinse mouth. Immediately give large quantities of water to drink. Do NOT induce vomiting. Do not administer activated charcoal. Obtain medical attention. When dealing with caustic substances, notify emergency physician immediately.
Personal protection for First-Aid responders:	In the case of fire, wear respiratory protective equipment independent of surrounding air and chemical protective suit.

Most important symptoms/effects, acute and delayed

Symptoms:	Strongly irritating to corrosive. Daze, headache, vertigo, somnolence (sleepiness), nausea.
Hazards:	Strong irritant to corrosive. Harmful by inhalation, in contact with skin and if swallowed. Vapors may cause drowsiness and dizziness.

Indication of immediate medical attention and special needed

Treatment:	The initial focus is only on the local action, characterized by quickly progressing deep tissue damage. In the eye, caustic/irritating and harmful liquids cause, depending on the intensity of exposure, various levels of irritation, destruction, and ablation of the epithelium of the conjunctiva and cornea, corneal clouding, edema, and ulcerations. Danger! Possible loss of eyesight! Superficial irritations and damage up to ulcerations and scarring develop on the skin. After accidental absorption in the body, the pathology and clinical findings are dependent on the kinetics of the substance (quantity of absorbed substance, the absorption time, and the effectiveness of early elimination measures (first acid/excretion – metabolism). A specific action of the substance is unknown. In case of substances with high water solubility, irritations up to formation of necrosis in the upper respiration track may result after inhalation of caustic/irritating aerosols and mists. The initial focus is on the local action: signs of irritation of the respiratory tract such as coughing, burning behind the sternum, burning in the eyes or nose. There is a risk of pulmonary edema!
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SECTION 5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Water spray, foam, dry powder or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: Do not use full-force water jet in order to avoid dispersal and spread of the fire. Organic compounds.

Specific hazards arising from the chemical: Involved in fire, it may decompose yielding oxygen. Release of oxygen may support combustion. Risk of overpressure and burst due to decomposition in confined spaces and pipes. Hazardous substances

might be released in case of fire. carbon monoxide, carbon dioxide

Special protective equipment and precautions for firefighters**Special fire fighting procedures:**

Evacuate personnel to safe areas. Keep out unprotected persons. Remove sources of ignition. In case of fire, remove the endangered containers and bring to a safe place, if this can be done safely. In the case of fire, cool the containers that are at risk with water or dilute with water (flooding). Ensure there are sufficient retaining facilities for water used to extinguish fire. Water used to extinguish fire should not enter drainage systems, soil or stretches of water. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for fire-fighters:

In the case of fire, wear respiratory protective equipment independent of surrounding air and chemical protective suit.

Section 6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment. Keep out unprotected persons. Evacuate personnel to safe areas.

Accidental release measures:

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. Evacuate area and do not approach spilled product.

For emergency responders:

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. Make safe or remove all sources of ignition. Do not inhale vapours / aerosols. Avoid contact with eyes, skin, and clothing. Isolate defective containers immediately, if possible and safe to do. Shut off leak, if possible and safe to do. Place defective containers in waste receptacle (waste packaging receptacle) made of plastic (not metal). Do not seal defective containers or waste receptacles airtight (danger of bursting due to product decomposition). Never return spilled product into its original container for re-use. (Risk of decomposition.). Release of oxygen may support combustion.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (e.g. inert absorbent universal binder) pick up. Do not use: textiles, saw dust, combustible substances. Rinse away any residue with plenty of water. Dispose of absorbed material in accordance with the regulations. Pack and label wastes like the pure substance. Do not detach label from the delivery containers prior to disposal. Clean contaminated surface thoroughly. Recommended cleaning agent: water. Ventilate room.

Environmental Precautions:

Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities. Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or

soil. If the product contaminates rivers and lakes or drains inform respective authorities.

Section 7. HANDLING AND STORAGE

Handling

Technical measures (e.g. Local and general ventilation):

Ensure suitable suction/aeration at the workplace and with operational machinery. Suitable measuring processes are: Hydrogen peroxide (H₂O₂) OSHA method ID 006, OSHA method VI-6, Acetic acid NIOSH method 1603, OSHA method ID 186

Safe handling advice:

Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment. Check the proper condition of personal safety equipment before use. Observe ergonomic requirements when selecting personal safety equipment. Avoid contact with eyes, skin, and clothing. The work-place related airborne concentrations have to be kept below of the indicated exposure limits. If workplace exposure limits are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used. Do not breathe in vapours, aerosols, sprays. Ensure there is good room ventilation. Immediately change moistened and saturated work clothes. Immediately rinse contaminated or saturated clothing with water. Avoid impurities and heat effect. Never return spilled product into its original container for re-use. (Risk of decomposition.). Provide for installation of emergency shower and eye bath. Set up safety and operation procedures. To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

Contact avoidance measures:

No data available.

Hygiene measures:

Avoid contact with eyes, skin, and clothing. Do not inhale vapour, aerosols, mist. Ensure there is good room ventilation. Immediately rinse contaminated or saturated clothing with water. Immediately change moistened and saturated work clothes. Any contaminated protective equipment is to be cleaned after use. Contaminated work clothing should not be allowed out of the workplace. No eating, drinking, smoking, or snuffing tobacco at work. Wash face and/or hands before break and end of work. Preventive skin protection Use barrier cream regularly.



Storage

Safe storage conditions:

Avoid sun rays, heat, heat effect. Temperature requirement during storage max. 40 °C. Store in original container. well ventilated, dry, clean, lockable. Use adequate venting devices on all packages, containers and tanks and check correct operation periodically. Do not confine product in unvented vessels or between closed valves. Risk of overpressure and burst due to decomposition in confined spaces and pipes. Check containers and tanks at regular intervals to detect any special changes such as pressure build-up (distension), damage, leakage. Transport and store container in upright position only. Do not empty container by means of pressure. Always close container tightly after removal of product. Do not keep the container sealed. Assure impermeability at all times. Avoid residues of the product on the containers. Store containers in such a manner that liquids released are collected in a catch vessel in case of leaks. Do not store together with: alkalis, reductants, metallic salts (risk of decomposition). Do not store together with: inflammable substances (risk of fire). Keep away from incompatible substances. Release of oxygen may support combustion. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Regularly verify the availability of water to deal with emergencies (for cooling, tank flooding, firefighting) and check correct operation periodically. For detailed information on design specifications for the construction of tank- and dosing installations ask the producer for advice. Only use containers which are specially permitted for: Peracetic acid. For transport, storage and tank installations only use suitable materials. Suitable container material: polyethylene, polypropylene polytetrafluoroethylene, polyvinyl chloride (PVC), glass ceramics. Inadequate materials are: iron, copper brass, bronze, aluminum, zinc, lead, tin, mild steel.

Safe packaging materials:

No data available.

Storage Temperature:

No data available.

Section 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Hydrogen peroxide	TWA	1 ppm	US. ACGIH Threshold Limit Values, as amended (03 2016)
	REL	1 ppm 1.4 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
	PEL	1 ppm 1.4 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (03 2016)
	IDLH	75 ppm	US. NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended (10 2017)
	TWA	1 ppm 1.4 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
	TWA	1 ppm 1.4 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended (06 2008)



	ST ESL	14 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)
	ST ESL	10 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)
	AN ESL	1.4 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)
	AN ESL	1 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)
Hydrogen peroxide as H2O2	TWA PEL	1 ppm 1.4 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (01 2015)
Acetic acid	TWA	10 ppm	US. ACGIH Threshold Limit Values, as amended (03 2016)
	STEL	15 ppm	US. ACGIH Threshold Limit Values, as amended (03 2016)
	STEL	15 ppm 37 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
	REL	10 ppm 25 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
	PEL	10 ppm 25 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (03 2016)
	IDLH	50 ppm	US. NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended (10 2017)
	TWA	10 ppm 25 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
	TWA	10 ppm 25 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended (06 2008)
	ST ESL	250 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)
	AN ESL	25 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)
	ST ESL	100 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)
	AN ESL	10 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)
	Ceiling	40 ppm	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (01 2015)
	STEL	15 ppm 37 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (01 2015)
	TWA PEL	10 ppm 25 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (01 2015)
Peracetic acid - Inhalable fraction and vapor.	STEL	0.4 ppm	US. ACGIH Threshold Limit Values, as amended (03 2016)

Appropriate Engineering Controls

Ensure suitable suction/aeration at the work place and with operational machinery. Suitable measuring processes are: Hydrogen peroxide (H2O2) OSHA method ID 006 OSHA method VI-6 Acetic acid NIOSH method 1603 OSHA method ID 186

Individual protection measures, such as personal protective equipment

Eye/face protection:

wear basket-shaped glasses or safety goggles with side-shields. When handling larger quantities: protective screen

Skin Protection

Hand Protection:

Material: Polychloroprene (PCP)
 Break-through time: > 480 min
 Guideline: DIN EN 374
 Material: Natural Rubber/Natural latex (NR)
 Break-through time: > 480 min
 Guideline: DIN EN 374
 Additional Information: disposable gloves. The above mentioned hand protection is based on knowledge of the chemistry and anticipated uses of this product but it may not be appropriate for all workplaces. A hazard assessment should be conducted prior to use to ensure suitability of gloves for specific work environments and processes prior to use., Use impermeable gloves., Personal protective equipment that provides a barrier to prevent dermal exposure to this substance is required.



Skin and Body Protection:

Select materials and equipment for physical protection depending on the concentration and volume of hazardous substances and the workplace involved. Wear suitable protective clothing. acid-proof for example: Usual lab protective clothing Light-duty chemical protective clothing (type2) (DIN EN 943-1 / DIN EN 943-2) Foot protection: Wear safety boots, high, protection class S2 or S4 (DIN EN 20345) In case of larger quantities: If open handling is unavoidable: Heavy-duty chemical protective clothing (type1) (DIN EN 943-1 / DIN EN 943-2) Do not wear protective clothes containing cotton. Suitable materials are: PVC, neoprene, nitrile rubber, and natural rubber. In order to determine further specifications applicable to the personal protection equipment, a hazard assessment according to the OSHA standards (29 CFR 1910.132) for personal protection equipment (PPE) is recommended before the product is used. Emergency eye wash fountains and safety showers should be available.

Respiratory Protection:

If workplace exposure limit is exceeded apply Respiratory protective equipment. If necessary: Provide with fresh air. In case of larger quantities: If open handling is unavoidable: Wear respiratory protection for example: Full face mask with combination filter A2B2E2K1P2 (Draeger) Full face mask with combination filter OV/AG (3M) Full face mask with combination filter ABEK2P3 (3M) A self-contained breathing apparatus must be worn if the ambient oxygen content is < 17 % (v/v) or if the situation is uncertain. Self-contained breathing apparatus (EN 133) Observe limited wearing time of 30 minutes. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

Hygiene measures:

Avoid contact with eyes, skin, and clothing. Do not inhale vapour, aerosols, mist. Ensure there is good room ventilation. Immediately rinse contaminated or saturated clothing with water. Immediately change moistened and saturated work clothes. Any contaminated protective equipment is to be cleaned after use. Contaminated work clothing should not be allowed out of the workplace. No eating, drinking, smoking, or snuffing tobacco at work. Wash face and/or hands before break and end of work. Preventive skin protection Use barrier cream regularly.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state:	liquid
Form:	liquid
Color:	Colorless
Odor:	stinging, vinegar-like
Odor Threshold:	No data available.
pH:	approx. 0.2 (20 °C) OECD TG 122
Freezing point:	No data available.
Boiling Point:	>= 60 °C Not applicable Decomposition
Flash Point:	(ISO 2719) not measurable (formation of foam)
Evaporation Rate:	No data available.
Flammability (solid, gas):	Not applicable liquid
Explosive limit - upper:	No data available.
Explosive limit - lower:	No data available.
Vapor pressure:	No data available.
Vapor density (air=1):	No data available.
Density:	1.12 g/ml (20 °C) (OECD 109)
Relative density:	No data available.



Solubility in Water:	completely miscible
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	-0.26 (QSAR) calculated pH 7
Self Ignition Temperature:	The substance or mixture is not classified as pyrophoric. The substance or mixture is not classified as self heating.
Decomposition Temperature:	>= 60 °C Self-Accelerating decomposition temperature (SADT)
Kinematic viscosity:	1.208 mm ² /s (20°C, OECD 114) 0.814 mm ² /s (40°C, DIN 51562)
Dynamic viscosity:	No data available.
Other information	
Molecular weight:	76.05 g/mol
Explosive properties:	Not explosive
Oxidizing properties:	The substance or mixture is not classified as oxidizing. UN Test O.2 (oxidizing liquids)
Minimum ignition temperature:	435°C (DIN 51 794)
Formation of Flammable Gases:	Substance or mixture, which in contact with water, does not emit flammable gas
Metal Corrosion:	Corrosive to metal Classification on the basis of missing data
Peroxides:	The substance or mixture is an organic peroxide classified as type G.

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	Risk of self-accelerating, exothermic decomposition with the development of oxygen at Effect of thermal energy / heat. Product is a(n) oxidizing agent and reactive.
Chemical Stability:	Stable under recommended storage conditions. Product is supplied in stabilized form. Commercial products are stabilized to reduce risk of decomposition due to contamination.
Possibility of hazardous reactions:	Risk of overpressure and burst due to decomposition in confined spaces and pipes. Risk of decomposition in contact with incompatible substances, impurities, metals, alkalis, reducing agents. Release of oxygen may support combustion.
Conditions to avoid:	sun rays, heat, heat effect
Incompatible Materials:	impurities, decomposition catalysts metals, nonferrous heavy metal, aluminum, zinc. metallic salts, alkalis, reducing agents. Possible hazardous reaction: decomposition. Flammable material. Possible hazardous reaction: Spontaneous ignition. Organic solvent. Possible hazardous reaction: Danger of explosion.
Hazardous Decomposition Products:	Steam Oxygen Acetic acid

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.



Ingestion: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product: LD 50 (Rat): 1,859 mg/kg peracetic acid 5 %
Dermal Product: LD 50 (Rabbit): 1,147 mg/kg peracetic acid 5 %
Inhalation Product: LC 50 (Rat): 4.08 mg/l peracetic acid 5 %, Aerosols

Repeated dose toxicity

Product: No data available.
Components: Acetic acid NOAEL (Rat(male), Oral): 290 mg/kg literature
NOAEL (Pig, Oral, daily): 450 mg/kg literature

Skin corrosion/irritation

Product: Calculation method Corrosive.

Serious eye damage/eye irritation

Product: Rabbit: Causes serious eye damage. peracetic acid 5 %

Respiratory or skin sensitization

Product: Magnusson and Kligman., OECD 406 (Guinea Pig): Not a skin sensitizer. peracetic acid 10 %

Carcinogenicity

Product: No data available.
Components: Hydrogen peroxide Clues to possible carcinogenic effects in animal experiments: Up to date there is no evidence of increased tumor risk. Hydrogen peroxide is not a carcinogenic substance according to MAK, IARC, NTP, OSHA, ACGIH.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogens present or none present in regulated quantities

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:

No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity

In vitro Product: Ames test (OECD 471): negative peracetic acid 5 %
In vitro mammalian cell gene mutation test (OECD 476): negative peracetic acid 11 %
Unscheduled DNA synthesis -test (UDS) (OECD 482): negative peracetic acid 42 %

vivo Product: In vivo micronucleus test (OECD 474) Oral (Mouse, male and female): negative peracetic acid 5 %
Unscheduled DNA synthesis -test (UDS) (OECD 486) Oral (Rat, male): negative peracetic acid 5 %
In vivo micronucleus test (OECD 474) Oral (Mouse, male and female): negative peracetic acid 11 %



SDS

Oximycin P5

Reproductive toxicity Product:

No data available.

Specific target organ toxicity – single exposure

Product:

Respiratory tract irritation.

Specific target organ toxicity – repeated exposure

Product:

No data available.

Aspiration hazard

Product:

No data available.

Other effects:

No data available.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product:

No data available.

Aquatic invertebrates

Product:

No data available.

Chronic hazards to the aquatic environment

Fish

Product:

No data available.

Aquatic invertebrates

Product:

No data available.

Toxicity to aquatic plants

Product:

No data available.

Persistence and degradability

Biodegradation Product:

98% (28 d, OECD 301 E) At non-bacteriotoxic concentrations peracetic acid (3 h, OECD 209) peracetic acid

BOD/COD Ratio Product:

No data available.

Bioaccumulative potential

Bioconcentration factor (BCF)

Product:

low

Partition coefficient n-octanol/water (log K_{ow})

Product:

Log Kow: -0.26 20°C (QSAR) calculated pH 7

Mobility in soil:

No data available.

Other adverse effects:

No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods:

Waste must be disposed of in accordance with local, state, provincial and federal laws and regulations. Empty containers must be handled with care due to product residue.

Contaminated Packaging:

Rinse empty containers before disposal; recommended cleaning agent: water. Offer rinsed packaging material to local recycling facilities. Do not reuse empty containers and dispose of in accordance with the regulations issued by the appropriate local authorities.

**SECTION 14. TRANSPORTATION INFORMATION****Domestic regulation**

40 CFR	
UN/ID/NA number	: UN 3149
Proper shipping name	: Hydrogen peroxide and peroxyacetic acid mixtures, stabilized
Class	: 5.1
Subsidiary risk	: 8
Packing group	: II
Labels	: 5.1 (8)
ERG Code	: 140
Marine pollutant	: no
Remarks	: Protect from thermal radiation. FOR USA ONLY: When shipping in, by or via USA note of the Reportable Quantity-Regulation!

International regulations**IATA-DGR**

UN/ID No.	: UN 3149
Proper shipping name	: Hydrogen peroxide and peroxyacetic acid mixtures, stabilized
Class	: 5.1
Subsidiary risk	: 8
Packing group	: II
Labels	: 5.1 (8)
Packaging instruction (cargo aircraft)	: 554
Packaging instruction (passenger aircraft)	: 550
Remarks	: FOR USA ONLY: When shipping in, by or via USA note of the Reportable Quantity-Regulation!

IMDG-Code

UN No.	: UN 3149
Proper shipping name	: Hydrogen peroxide and peroxyacetic acid mixtures, stabilized
Class	: 5.1
Subsidiary risk	: 8
Packing group	: II
Labels	: 5.1 (8)
EmS Code	: F-H, S-Q
Marine pollutant	: yes
Remarks	: Protect from heat. Separate from metal powders and permanganates., "Separated from" permanganates and class 4.1. FOR USA ONLY: When shipping in, by or via USA note of the Reportable Quantity-Regulation!

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

Not applicable for product as supplied.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

**SECTION 15. REGULATORY INFORMATION****US Federal Regulations****TSCA Section 12(b) Export Notification (40 CFR 707, Subpart. D)**

None present or none present in regulated quantities.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpart E)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4): Chemical Identity

ACETIC ACID

RCRA HAZARDOUS WASTE NO. D003

SULFURIC ACID

Superfund Amendments and Reauthorization Act of 1986 (SARA)**Hazard categories**

Organic peroxide, Corrosive to metal, Acute toxicity (any route of exposure), Skin Corrosion or Irritation, Serious eye damage or eye irritation, Specific target organ toxicity (single or repeated exposure)

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances**Chemical Identity**

Hydrogen peroxide

Peracetic acid

Sulfuric acid

US EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313**Toxic Chemicals (40 CFR 372.65) – Supplier Notification Required**

<u>Chemical Identity</u>	% by weight
Peracetic acid	1.0%

Clean Air Act (CAA) Section 112® Accidental Release Preventioin (40 CFR 68.130)**Chemical Identity**

Peracetic acid

Sulfuric acid

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**Chemical Identity**

Peracetic acid

Sulfuric acid

US State Regulations**US. California Proposition 65**

No ingredient requiring a warning under CA Prop 65.

US. New Jersey Worker and Community Right-to-Know Act Chemical Identity**Chemical Identity**

Hydrogen peroxide

Acetic acid

Peracetic acid

sulfuric acid

US. Massachusetts RTK - Substance List**Chemical Identity**

Hydrogen peroxide

Acetic acid



Peracetic acid
sulfuric acid

US. Pennsylvania RTK – Hazardous Substances

Chemical Identity

Hydrogen peroxide
Acetic acid
Peracetic acid
sulfuric acid

US. Rhode Island RTK

Chemical Identity

Hydrogen peroxide
Acetic acid
Peracetic acid
sulfuric acid

SECTION 16. OTHER INFORMATION

HMIS Hazard Card

Health		3
Flammability		1
Physical Hazards		2
PERSONAL PROTECTION		

Hazard Rating:
0 – Minimal
1 – Slight
2 – Moderate
3 – Serious
4 – Severe
RNP – Rating not possible
***Chronic health effect**

NFPA Hazard Card

<p>Hazard Rating: 0 – Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Severe RNP – Rating not possible OX – Oxidizing agent</p>	

History

Date of issue mm/dd/yyyy : 10/04/2021
Date of previous issue : newly issued
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Further Information:

This chemical may be used as a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label: ----- FIFRA---
 Hazards to Humans and Domestic Animals: --- Danger Corrosive CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS May be fatal if inhaled or absorbed through skin. Harmful if swallowed. -
 --Physical and Chemical Hazards Strong oxidizing agents. ---
 Environmental Hazards THIS PESTICIDE IS TOXIC TO BIRDS, FISH, AND AQUATIC INVERTEBRATES

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Oximycin^{P5}

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