

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 4/8/2022 Revision date: 2/6/2023 Supersedes: 4/8/2022 Version: 1.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : SaniDate 12.0
Product code : SDS-2006

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

BioSafe Systems, LLC 22 Meadow Street East Hartford, Hartford, Connecticut 06108 USA T 1-888-273-3088

www.BioSafeSystems.com

1.4. Emergency telephone number

Emergency number : 1-888-273-3088 | Chemtrec: 1-800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Organic Peroxide Category F	H242	Heating may cause a fire.
Corrosive to metals Category 1	H290	May be corrosive to metals
Acute toxicity (dermal) Category 4	H312	Harmful in contact with skin
Skin corrosion/irritation Category 1A	H314	Causes severe skin burns and eye damage
Serious eye damage/eye irritation Category 1	H318	Causes serious eye damage
Specific target organ toxicity – Single exposure, Category 3,	H335	May cause respiratory irritation

Respiratory tract irritation

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)







Signal word (GHS US) : Danger

Hazard statements (GHS US)

: H242 - Heating may cause a fire.

H290 - May be corrosive to metals

H312 - Harmful in contact with skin

H314 - Causes severe skin burns and eye damage

H318 - Causes serious eye damage H335 - May cause respiratory irritation

Precautionary statements (GHS US) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P220 - Keep/Store away from combustible materials

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P234 - Keep only in original container.

P260 - Do not breathe fume, mist, vapors, spray.

P261 - Avoid breathing fume, mist, spray.

P264 - Wash hands, forearms and face thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear a minimum of a NIOSH-approved elastomeric half mask respirator with organic vapor (OV) cartridges and a combination N, R or P filter; OR a NIOSH-approved gas mask with OV canisters; OR a NIOSH-approved power air-purifying respirator with OV cartridges and combination HE filters. Wear goggles or face shield, rubber gloves, and protective clothing.

P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting.

P302+P352 - If on skin: Wash with plenty of water.

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a poison center or doctor.

P312 - Call a poison center or doctor if you feel unwell.

P321 - Specific treatment (see supplemental first aid instruction on this label).

P322 - Specific treatment (see supplemental first aid instruction on this label)

P362+P364 - Take off contaminated clothing and wash it before reuse.

P363 - Wash contaminated clothing before reuse.

P390 - Absorb spillage to prevent material-damage.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P405 - Store locked up.

P406 - Store in corrosive resistant container with a resistant inner liner.

P410 - Protect from sunlight.

P411+P235 - Store at temperatures not exceeding 25°C (77°F). Keep cool.

P420 - Store away from other materials.

P501 - Dispose of contents/container to an approved waste disposal plant, hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Acetic acid	CAS-No.: 64-19-7	15 – 25
Hydrogen peroxide	CAS-No.: 7722-84-1	15 – 25
Peroxyacetic acid	CAS-No.: 79-21-0	10 – 15

Full text of hazard classes and H-statements : see section 16

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SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a physician immediately.

Call a doctor.

First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a

physician immediately.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact : Burns.

Symptoms/effects after eye contact : Serious damage to eyes.

Symptoms/effects after ingestion : Burns.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

Fire hazard : Flammable liquid and vapor. Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapors/spray.

Only qualified personnel equipped with suitable protective equipment may intervene.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer

to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public

waters.

Other information : Dispose of materials or solid residues at an authorized site.

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6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed

Precautions for safe handling

: May be corrosive to metals.

: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Do not breathe fume, mist, spray, vapors. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with

mild soap and water before eating, drinking or smoking and when leaving work.

Hygiene measures

Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures

- : Ground/bond container and receiving equipment.
- Storage conditions : Keep cool. Store in a dry place. Store locked up. Keep container closed when not in use. Protect

from sunlight. Store in a well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

San		

Local name

No additional information available

Hydrogen peroxide (7722-84-1)

USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA [ppm]	1 ppm
Remark (ACGIH)	TLV® Basis: Eye, URT, & skin irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2022

Hydrogen peroxide

USA - OSHA - Occupational Exposure Limits

USA - OSHA - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OSHA PEL TWA [1]	1.4 mg/m³
OSHA PEL TWA [2]	1 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

Acetic acid (64-19-7)

USA - ACGIH - Occupational Exposure Limits

Local name	Acetic acid
ACGIH OEL TWA [ppm]	10 ppm

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Acetic acid (64-19-7)		
ACGIH OEL STEL [ppm]	15 ppm	
Remark (ACGIH)	TLV® Basis: URT & eye irr; pulm func	
Regulatory reference	ACGIH 2022	
USA - OSHA - Occupational Exposure Limits		
Local name	Acetic acid	
OSHA PEL TWA [1]	25 mg/m³	
OSHA PEL TWA [2]	10 ppm	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1	
Peroxyacetic acid (79-21-0)		
USA - ACGIH - Occupational Exposure Limits		
Local name	Peracetic acid	
ACGIH OEL STEL [ppm]	0.4 ppm (IFV - Inhalable fraction and vapor)	
Remark (ACGIH)	TLV® Basis: URT, eye, & skin irr. Notations: A4 (Not classifiable as a Human Carcinogen)	
Regulatory reference	ACGIH 2022	

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:
Safety glasses

Skin and body protection:
Wear suitable protective clothing

Personal protective equipment symbol(s):









SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Clear, colorless liquid.

Color : Colorless

Odor : vinegar-like Pungent
Odor threshold : No data available

pH : < 1.5

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: Not applicable Melting point Freezing point : -30 °C (-22°F) Boiling point : No data available Flash point : No data available Relative evaporation rate (butyl acetate=1) : No data available Flammability (solid, gas) : Not applicable. Vapor pressure : 22 mm Hg (25°C) Relative vapor density at 20°C : No data available

Relative density : 1.1 Density : 9.2 lb/gal Solubility : Complete. Partition coefficient n-octanol/water (Log Pow) : No data available Auto-ignition temperature : No data available Decomposition temperature : > 55 °C SADT (131°F) : No data available Viscosity, kinematic Viscosity, dynamic : No data available **Explosion limits** : No data available Explosive properties : No data available Oxidizing properties No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapor.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Combustible materials.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Harmful in contact with skin.

Acute toxicity (inhalation) : Not classified

SaniDate 12.0

LD50 oral rat > 3622 mg/kg

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Description Content	LD50 oral rat	1540 mg/kg	
ATE US (oral) ATE US (dermal) ATE US (gases) ATE US (gases) ATE US (vapors) ATE US (vapors) ATE US (dust, mist) O.45 mg/l/4h Skin corrosion/irritation Causes severe skin burns. pH: < 1.5 Hydrogen peroxide (7722-84-1) pH 2.02 (50 %, 21 °C) Acetic acid (64-19-7)	LD50 dermal rabbit	1410 mg/kg	
ATE US (dermal) ATE US (gases) 700 ppmV/4h ATE US (vapors) 0.45 mg/l/4h ATE US (dust, mist) 0.45 mg/l/4h Causes severe skin burns. pH: < 1.5 Hydrogen peroxide (7722-84-1) pH 2.02 (50 %, 21 °C) Acetic acid (64-19-7)	LC50 Inhalation - Rat	0.45 mg/l	
ATE US (gases) ATE US (vapors) 0.45 mg/l/4h ATE US (dust, mist) 0.45 mg/l/4h Causes severe skin burns. pH: < 1.5 Hydrogen peroxide (7722-84-1) pH 2.02 (50 %, 21 °C) Acetic acid (64-19-7)	ATE US (oral)	100 mg/kg body weight	
ATE US (vapors) 0.45 mg/l/4h O.45 mg/l/4h Ckin corrosion/irritation Causes severe skin burns. pH: < 1.5 Hydrogen peroxide (7722-84-1) pH 2.02 (50 %, 21 °C) Acetic acid (64-19-7)	ATE US (dermal)	1410 mg/kg body weight	
ATE US (dust, mist) 0.45 mg/l/4h Skin corrosion/irritation : Causes severe skin burns. pH: < 1.5 Hydrogen peroxide (7722-84-1) pH 2.02 (50 %, 21 °C) Acetic acid (64-19-7)	ATE US (gases)	700 ppmV/4h	
Causes severe skin burns. pH: < 1.5	ATE US (vapors)	0.45 mg/l/4h	
pH: < 1.5 Hydrogen peroxide (7722-84-1) pH 2.02 (50 %, 21 °C) Acetic acid (64-19-7)	ATE US (dust, mist)	0.45 mg/l/4h	
PH 2.02 (50 %, 21 °C) Acetic acid (64-19-7)	Skin corrosion/irritation		
Acetic acid (64-19-7)	Hydrogen peroxide (7722-84-1)		
	рН	2.02 (50 %, 21 °C)	
pH 2.4 (0.1 mol/l)	Acetic acid (64-19-7)		
	рН	2.4 (0.1 mol/l)	

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Peroxyacetic acid (79-21-0)	
рН	2.73 (5 %)
Serious eye damage/irritation	: Causes serious eye damage. pH: < 1.5
Hydrogen peroxide (7722-84-1)	
рН	2.02 (50 %, 21 °C)
Acetic acid (64-19-7)	
рН	2.4 (0.1 mol/l)
Peroxyacetic acid (79-21-0)	
рН	2.73 (5 %)
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.
Hydrogen peroxide (7722-84-1)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Acetic acid (64-19-7)	
NOAEL (oral,rat,90 days)	290 mg/kg body weight Animal: rat, Animal sex: male
Aspiration hazard	: Not classified
/iscosity, kinematic	: No data available
Acetic acid (64-19-7)	
Viscosity, kinematic	1.17 mm²/s (20 °C)
Peroxyacetic acid (79-21-0)	
Viscosity, kinematic	1.22 mm²/s (20 °C, 5 %, OECD 114: Viscosity of Liquids)
Symptoms/effects after skin contact Symptoms/effects after eye contact Symptoms/effects after ingestion	: Burns.: Serious damage to eyes.: Burns.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

Hydrogen peroxide (7722-84-1)		
LC50 - Fish [1]	16.4 mg/l Source: ECHA	
EC50 72h - Algae [1]	1.38 mg/l Source: ECHA	
Acetic acid (64-19-7)		
LC50 - Fish [1]	> 1000 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, GLP)	
EC50 - Crustacea [1]	> 1000 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)	

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Acetic acid (64-19-7)		
LC50 - Fish [2]	> 300.82 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)	
EC50 - Crustacea [2]	> 300.82 mg/l Test organisms (species): Daphnia magna	
EC50 72h - Algae [1]	> 1000 mg/l (ISO 10253, Skeletonema costatum, Static system, Salt water, Experimental value, Growth rate)	
EC50 72h - Algae [2]	> 300.82 mg/l Test organisms (species): Skeletonema costatum	
Peroxyacetic acid (79-21-0)		
LC50 - Fish [1]	0.08 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)	
EC50 - Crustacea [1]	0.73 mg/l Test organisms (species): Daphnia magna	
EC50 72h - Algae [1]	0.16 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
NOEC (chronic)	0.0121 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	

12.2. Persistence and degradability

Hydrogen peroxide (7722-84-1)		
Persistence and degradability	Biodegradability: not applicable.	
Chemical oxygen demand (COD)	Not applicable	
ThOD	Not applicable	
BOD (% of ThOD)	Not applicable	
Acetic acid (64-19-7)		
Persistence and degradability	Readily biodegradable in the soil. Readily biodegradable in water.	
Biochemical oxygen demand (BOD)	0.6 − 0.74 g O₂/g substance	
Chemical oxygen demand (COD)	1.03 g O ₂ /g substance	
ThOD	1.07 g O ₂ /g substance	
Peroxyacetic acid (79-21-0)		
Persistence and degradability	Contains readily biodegradable component(s).	

12.3. Bioaccumulative potential

Hydrogen peroxide (7722-84-1)	ogen peroxide (7722-84-1)	
Partition coefficient n-octanol/water (Log Pow)	-1.36 Source: IPCS	
Bioaccumulative potential	Not bioaccumulative.	
Acetic acid (64-19-7)		
BCF - Fish [1]	3.16 (Pisces, Fresh water, QSAR)	
Partition coefficient n-octanol/water (Log Pow)	-0.17 (Experimental value, 25 °C)	
Bioaccumulative potential	Not bioaccumulative.	
Peroxyacetic acid (79-21-0)		
Partition coefficient n-octanol/water (Log Pow)	-1.25	
Bioaccumulative potential	Does not contain bioaccumulative component(s).	

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12.4. Mobility in soil

Hydrogen peroxide (7722-84-1)	
Surface tension	80.4 mN/m (20 °C, Pure substance, Calculated value, 100 %)
Ecology - soil	No (test)data on mobility of the component(s) available.
Acetic acid (64-19-7)	
Surface tension	26.3 mN/m (30 °C)
Ecology - soil	Highly mobile in soil. May be harmful to plant growth, blooming and fruit formation.
Peroxyacetic acid (79-21-0)	
Surface tension	54 mN/m (20 °C, 5 %, EU Method A.5: Surface tension)
Ecology - soil	Contains component(s) with potential for mobility in the soil.

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Flammable vapors may accumulate in the container.

SECTION 14: Transport information

14.1. UN number

DOT NA No : UN3109 UN-No. (TDG) : 3109 UN-No. (IMDG) : 3109 UN-No. (IATA) : 3109

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Organic peroxide type F, liquid (Peroxyacetic acid)

Proper Shipping Name (TDG) : ORGANIC PEROXIDE TYPE F, LIQUID (Peroxyacetic acid)
Proper Shipping Name (IMDG) : ORGANIC PEROXIDE TYPE F, LIQUID (Peroxyacetic acid <43%)

Proper Shipping Name (IATA) : Organic peroxide type F, liquid (Peroxyacetic acid <43%)

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : 5.2 Hazard labels (DOT) : 5.2



TDG

Transport hazard class(es) (TDG) : 5.2 Hazard labels (TDG) : 5.2

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IMDG

Transport hazard class(es) (IMDG) : 5.2 Hazard labels (IMDG) : 5.2



IATA

Transport hazard class(es) (IATA) : 5.2 Hazard labels (IATA) : 5.2



14.4. Packing group

Packing group (DOT) : Not applicable

Packing group (TDG) : II

Packing group (IMDG) : Not applicable Packing group (IATA) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

Special transport precautions : Shipping container: UN certified vented polyethylene required, Keep container upright and

secure for transport.

DOT

UN-No.(DOT) : UN3109

DOT Special Provisions (49 CFR 172.102) : A61 - a. When used for purposes such as sterilization, inner packagings of peroxyacetic acid,

stabilized, classified as UN 3107 Organic peroxide type E, liquid or UN 3109 Organic peroxide type F, liquid may be fitted with a vent consisting of hydrophobic membrane, provided:(1) Each inner packaging contains not more than 70 mL; (2) The inner packaging is designed so that the vent is not immersed in liquid in any orientation; (3) Each inner packaging is enclosed in an intermediate rigid plastic packaging with a small opening to permit release of gas and contains a buffer that neutralizes the contents of the inner packaging in the event of leakage; (4) Intermediate packagings are packed in a fiberboard box (4G) outer packaging; (5) Each outer packaging contains not more than 1.4 L of liquid; and (6) The rate of oxygen release from the

outer packaging does not exceed 15 mL per hour.

IP5 - IBCs must have a device to allow venting. The inlet to the venting device must be located in

the vapor space of the IBC under maximum filling conditions.

DOT Packaging Exceptions (49 CFR 173.xxx) : 152
DOT Packaging Non Bulk (49 CFR 173.xxx) : 225
DOT Packaging Bulk (49 CFR 173.xxx) : 225
DOT Quantity Limitations Passenger aircraft/rail (49 : 10 L

CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 25 L

CFR 175.75)

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DOT Vessel Stowage Location

: D - The material must be stowed "on deck only" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers or one

passenger per each 3 m of overall vessel length, but the material is prohibited on passenger vessels in which the limiting number of passengers is exceeded.

DOT Vessel Stowage Other : 12 - Keep as cool as reasonably practicable.25 - Protected from sources of heat.52 - Stow

"separated from" acids,53 - Stow "separated from" alkaline compounds

TDG

: 3109 UN-No. (TDG)

TDG Special Provisions : 16 - 1) The technical name of the most dangerous substance related to the primary class must

be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(i)(A) of Part 3, Documentation. The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4, Dangerous Goods Safety Marks. 2) subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical: a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S; b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S; c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S; d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; or e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S. An example in Canada is the

"Food and Drugs Act".

Explosive Limit and Limited Quantity Index 0.125 L Excepted quantities (TDG) E0

Passenger Carrying Road Vehicle or Passenger 10 L

Carrying Railway Vehicle Index

Emergency Response Guide (ERG) Number : 145

IMDG

Special provision (IMDG) : 122, 274 Limited quantities (IMDG) : 125 ml : E0 Excepted quantities (IMDG) Packing instructions (IMDG) : P520 IBC packing instructions (IMDG) : IBC520 Tank instructions (IMDG) : T23

: F-J - FIRE SCHEDULE Juliet - NON-TEMPERATURE-CONTROLLED SELF-REACTIVES AND EmS-No. (Fire)

ORGANIC PEROXIDES

: S-R - SPILLAGE SCHEDULE Romeo - ORGANIC PEROXIDES EmS-No. (Spillage)

Stowage category (IMDG) D Stowage and handling (IMDG) : SW1

Segregation (IMDG) : SG35, SG36, SG72

Properties and observations (IMDG) : Decomposes at elevated temperatures or in a fire. Burns vigorously.Immiscible with water except for tert-butylhydroperoxide; dibenzoyl peroxide; dilauroylperoxide and peroxyacetic acid, type F,

stabilized. Contact with the eyes and skin should be avoided. May evolve irritant or toxic fumes.

IATA

: E0 PCA Excepted quantities (IATA) PCA Limited quantities (IATA) : Forbidden PCA limited quantity max net quantity (IATA) : Forbidden PCA packing instructions (IATA) 570 PCA max net quantity (IATA) 10L 570 CAO packing instructions (IATA) CAO max net quantity (IATA) 25L

Special provision (IATA) A20, A150, A802

ERG code (IATA) : 5L

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

Not applicable

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SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Peroxyacetic acid CAS-No. 79-21-0 10 – 15 ^o	5%
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Hydrogen peroxide (7722-84-1)	
RQ (Reportable quantity, section 304 of EPA's List of Lists)	1000 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	1000 lb

Acetic acid (64-19-7)		
	CERCLA RQ	5000 lb

Peroxyacetic acid (79-21-0)	
RQ (Reportable quantity, section 304 of EPA's List of Lists)	500 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	500 lb

FIFRA Labelling	
EPA Registration Number 70299-18	
This chemical is 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 Signal Word	Danger
FIFRA Precautionary Statement	Keep out of reach of children.

15.2. International regulations

CANADA

Hydrogen peroxide (7722-84-1)

Listed on the Canadian DSL (Domestic Substances List)

Acetic acid (64-19-7)

Listed on the Canadian DSL (Domestic Substances List)

Peroxyacetic acid (79-21-0)

Listed on the Canadian DSL (Domestic Substances List)

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EU-Regulations

No additional information available

National regulations

Hydrogen peroxide (7722-84-1)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Acetic acid (64-19-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Peroxyacetic acid (79-21-0)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
Hydrogen peroxide(7722-84-1)	U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List
Acetic acid(64-19-7)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List
Peroxyacetic acid(79-21-0)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List

SECTION 16: Other information

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Full text of H-phrases	
H242	Heating may cause a fire.
H290	May be corrosive to metals
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H335	May cause respiratory irritation

Safety Data Sheet (SDS), USA

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