SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Trade name: INTEROX® AG-Bath-35S
- Chemical name: Hydrogen peroxide
- Synonyms: Hydrogen peroxide, aqueous solution
- Molecular formula: H2O2

1.2 Relevant identified uses of the substance or mixture and uses advised against

Uses of the Substance / Mixture

- Disinfectants

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)

Acute toxicity, Category 4	H302: Harmful if swallowed.
Skin irritation, Category 2	H315: Causes skin irritation.
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

- H302	Harmful if swallowed.
- H315	Causes skin irritation.
- H318	Causes serious eye damage.
- H335	May cause respiratory irritation.

Precautionary Statements

Prevention

- 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/ eye protection/ face protection.

Response

- P301 + P312 + P330	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
- P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
- P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
- 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.
- P332 + P313	If skin irritation occurs: Get medical advice/ attention.
- P362	Take off contaminated clothing and wash before reuse.

Storage

- P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
- P405	Store locked up.

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.

SECTION 3: Composition/information on ingredients

3.1 Substance

- Not applicable, this product is a mixture.

3.2 Mixture

- Synonyms	Hydrogen peroxide, aqueous solution
- Formula	H2O2

Hazardous Ingredients and Impurities

Chemical name	Identification number CAS-No.	Concentration [%]
Hydrogen peroxide (H2O2)	7722-84-1	36

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice

- Show this material safety data sheet to the doctor in attendance.

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

- Remove and wash contaminated clothing before re-use.
- Wash off with soap and water.
- If symptoms persist, call a physician.

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.

- If victim is unconscious:
- Artificial respiration and/or oxygen may be necessary.

- If victim is conscious:
- If swallowed, rinse mouth with water (only if the person is conscious).
- Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

In case of inhalation

Symptoms

- Breathing difficulties
- Cough
- pulmonary edema
- Nausea
- Vomiting

Effects

- Corrosive to respiratory system.

Repeated or prolonged exposure

- Nose bleeding
- Risk of chronic bronchitis

In case of skin contact

Symptoms
- Redness
- Swelling of tissue

Effects
- Prolonged skin contact may cause skin irritation.

In case of eye contact

Symptoms
- Redness
- Lachrymation
- Swelling of tissue

Effects
- Corrosive
- Causes severe burns.
- Small amounts splashed into eyes can cause irreversible tissue damage and blindness.

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

SECTION 5: Firefighting measures

Flash point does not flash

Autoignition temperature The product is not flammable.

Flammability / Explosive limit No data available

5.1 Extinguishing media

Suitable extinguishing media

- Water
- Water spray

Unsuitable extinguishing media

- None.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting

- Decomposition will cause oxygen release which may intensify fire
- Contact with combustible material may cause fire.
- Contact with flammables may cause fire or explosions.
- Risk of explosion if heated under confinement.

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

Further information

- Keep product and empty container away from heat and sources of ignition.
- Keep containers and surroundings cool with water spray.
- Approach from upwind.
- 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

- In case of accidental release or spill, immediately notify the appropriate authorities if required by Federal, State/Provincial and local laws and regulations.
- Do not dump into any sewers, on the ground, or into any body of water. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations.

6.3 Methods and materials for containment and cleaning up

- Dilute with plenty of water.
- Dam up.
- Do not mix waste streams during collection.
- Soak up with inert absorbent material.
- Keep in properly labeled containers.
- Keep in suitable, closed containers for disposal.
- Never return spills in original containers for re-use.
- Treat recovered material as described in the section "Disposal considerations".

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.
- Keep away from heat.
- Avoid inhalation, ingestion and contact with skin and eyes.
- 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

- Keep only in the original container.
- Store in a receptacle equipped with a vent.
- Store in a well-ventilated place. Keep cool.
- Keep in properly labeled containers.
- Keep container closed.
- Keep in a contained area
- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- Regularly check the condition and temperature of the containers.

- Keep away from:
- Incompatible products

Packaging material

Suitable material
- aluminum 99.5%
- stainless steel 304L / 316L
- 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		

NIOSH IDLH (Immediately Dangerous to Life or Health Concentrations)

Components	CAS-No.	Concentration
Hydrogen peroxide (H2O2)	7722-84-1	75 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

- Use respirator when performing operations involving potential exposure to vapor of the product.
- When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- Respirator with a vapor filter (EN 141)
- Recommended Filter type: ABEK-P2
- Respirator with a vapor filter
- Self-contained breathing apparatus in case of: 1) large uncontrolled emissions, 2) insufficient oxygen, 3) the mask and cartridge do not give adequate protection.

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

- PVC
- Natural Rubber
- butyl-rubber
- Nitrile rubber

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

- Impervious clothing
- If splashes are likely to occur, wear:
- Chemical resistant apron
- Boots

- Suitable material
- PVC
- Natural Rubber

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

Appearance	Physical state: liquid Color: colorless
Odor	pungent
Odor Threshold	No data available
Molecular weight	34 g/mol
pH	2.0 (70 °F (21 °C)) H2O2 50 % pKa: 11.6 (77 °F (25 °C))
Melting point/freezing point	Freezing point: -27 °F (-33 °C) H2O2 35 %
Initial boiling point and boiling range	Boiling point/boiling range: 226 °F (108 °C) H2O2 35 %
Flash point	does not flash
Evaporation rate (Butylacetate = 1)	No data available
Flammability (liquids)	The product is not flammable.
Flammability / Explosive limit	Explosiveness: Not explosive With certain materials (see section 10).
Autoignition temperature	The product is not flammable.
Vapor pressure	0.75 mmHg (1 hPa) (86 °F (30 °C)) H2O2 50 %
Vapor density	1 H2O2 50 %
Density	Bulk density: Not applicable
Relative density	1.1 - 1.2

Solubility	Water solubility: completely soluble
Partition coefficient: n-octanol/water	log Pow: -1.57 Method: Calculation method
Decomposition temperature	>= 140 °F (>= 60 °C) Self-Accelerating decomposition temperature (SADT)
Decomposition temperature	< 140 °F (< 60 °C) Slow decomposition
Viscosity	Viscosity, dynamic : 1.17 mPa.s (68 °F (20 °C)) H2O2 50 %
Explosive properties	No data available
Oxidizing properties	Not considered as oxidizing.

9.2 Other information

Henry's Constant	0.00075 Pa.m3 / mol (68 °F (20 °C)) not significant, Air, Volatility
Surface tension	75.6 mN/m (68 °F (20 °C)) H2O2 50 %

SECTION 10: Stability and reactivity

10.1 Reactivity

- Contact with other material may cause fire.
- Decomposes on heating with potential large quantities of gas release (oxygen).
- 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.
- Contact with incompatible material may cause exothermic decomposition with gas release.
- 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	Acute toxicity estimate : 431 mg/kg - Rat , male and female Test substance: Hydrogen peroxide Unpublished reports
Acute inhalation toxicity	LC50 - 4 h (vapor) > 0.17 mg/l - Rat Test substance: Hydrogen peroxide No mortality observed at this concentration. Unpublished reports
Acute dermal toxicity	Acute toxicity estimate 6,440 mg/kg - Rabbit Test substance: Hydrogen peroxide Unpublished reports
Acute toxicity (other routes of administration)	No data available
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye damage.

Respiratory or skin sensitization

Hydrogen peroxide (H2O2)	Does not cause skin sensitization. not sensitizing

Mutagenicity

Genotoxicity in vitro

Hydrogen peroxide (H2O2)	Ames test with and without metabolic activation positive Published data Chromosome aberration test in vitro with and without metabolic activation positive Unpublished reports

Genotoxicity in vivo

Hydrogen peroxide (H2O2)	In vivo micronucleus test - Mouse Oral Method: OECD Test Guideline 474 negative Unpublished reports

Carcinogenicity

Hydrogen peroxide (H2O2)	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

Hydrogen peroxide (H2O2)	No toxicity to reproduction

Developmental Toxicity/Teratogenicity

Hydrogen peroxide (H2O2)	No toxicity to reproduction

STOT

STOT-single exposure

Hydrogen peroxide (H2O2)	Routes of exposure: Inhalation Target Organs: Respiratory Tract May cause respiratory irritation.

STOT-repeated exposure

Hydrogen peroxide (H2O2)	The substance or mixture is not classified as specific target organ toxicant, repeated exposure according to GHS criteria.
Hydrogen peroxide (H2O2)	Inhalation (vapor) 90-day - Rat NOAEC: 7 ppm Target Organs: Respiratory Tract Method: OECD Test Guideline 413 Unpublished reports

90-day - Rat
NOAEL: 100 ppm
Target Organs: Gastrointestinal tract
Method: OECD Test Guideline 408
drinking water
Unpublished reports

Experience with human exposure No data available

Aspiration toxicity No data available

Further information No data available

SECTION 12: Ecological information

12.1 Toxicity

Aquatic Compartment

Acute toxicity to fish

Hydrogen peroxide (H2O2)	LC50 - 96 h : 16.4 mg/l - Pimephales promelas (fathead minnow) semi-static test Analytical monitoring: yes Unpublished internal reports Harmful to fish.

Acute toxicity to daphnia and other aquatic invertebrates

Hydrogen peroxide (H2O2)	EC50 - 48 h : 2.4 mg/l - Daphnia pulex (Water flea) semi-static test Analytical monitoring: yes Unpublished internal reports Toxic to aquatic invertebrates.

Toxicity to aquatic plants

Hydrogen peroxide (H2O2)	ErC50 - 72 h : 2.62 mg/l - Skeletonema costatum (marine diatom) static test Analytical monitoring: yes Unpublished internal reports Toxic to algae.

Toxicity to microorganisms

Hydrogen peroxide (H2O2)	EC50 - 0.5 h : 466 mg/l - activated sludge static test Analytical monitoring: yes Method: OECD Test Guideline 209 Unpublished internal reports

Chronic toxicity to fish No data available

Chronic toxicity to daphnia and other aquatic invertebrates

Hydrogen peroxide (H2O2)	NOEC: 0.63 mg/l - 21 Days - Daphnia magna (Water flea) flow-through test Analytical monitoring: yes Published data Harmful to aquatic invertebrates with long lasting effects.

12.2 Persistence and degradability

Abiotic degradation No data available

Physical- and photo-chemical elimination No data available

Biodegradation

Biodegradability

Hydrogen peroxide (H2O2)	Ready biodegradability study: Method: Degradation in sewage treatment plants The substance fulfills the criteria for ultimate aerobic biodegradability and ready biodegradability Inoculum: activated sludge Unpublished internal reports

Degradability assessment

Hydrogen peroxide (H2O2)	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

Bioconcentration factor (BCF)

Hydrogen peroxide (H2O2)	Not potentially bioaccumulable

12.4 Mobility in soil

Adsorption potential (Koc)

Hydrogen peroxide (H2O2)	Adsorption/Soil Koc: 1.58 Log Koc: 0.2 Method: Structure-activity relationship (SAR) Unpublished reports

Known distribution to environmental compartments

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

12.5 Results of PBT and vPvB assessment

Hydrogen peroxide (H2O2)	This substance is not considered to be persistent, bioaccumulating, and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

12.6 Other adverse effects

Ecotoxicity assessment

Short-term (acute) aquatic hazard

Hydrogen peroxide (H2O2)	Toxic to aquatic life.

Long-term (chronic) aquatic hazard

Hydrogen peroxide (H2O2)	Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product Disposal

- Limited quantity
- Dilute with plenty of water.
- Flush into sewer with plenty of water.
- Maximum quantity
- Contact manufacturer.
- Contact waste disposal services.
- In accordance with local and national regulations.

Waste Code

- Environmental Protection Agency
- Hazardous Waste – YES

- RCRA Hazardous Waste (40 CFR 302)
- D001 - Ignitable waste – (I)
- D002 - Corrosive waste – (C)

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 2014
14.2 Proper shipping name	HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS
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
14.5 Environmental hazards	NO
Marine pollutant	

TDG

14.1 UN number	UN 2014
14.2 Proper shipping name	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
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
14.5 Environmental hazards	NO
Marine pollutant	

NOM

14.1 UN number	UN 2014
14.2 Proper shipping name	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
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

14.5 Environmental hazards **Marine pollutant**	NO

IMDG

14.1 UN number	UN 2014
14.2 Proper shipping name	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
14.3 Transport hazard class Subsidiary hazard class Label(s)	5.1 8 5.1 (8)
14.4 Packing group Packing group	II
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 2014
14.2 Proper shipping name	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
14.3 Transport hazard class Subsidiary hazard class: Label(s):	5.1 8 5.1 (8)
14.4 Packing group Packing group	II
Packing instruction (cargo aircraft) Max net qty / pkg Packing instruction (passenger aircraft) Max net qty / pkg	554 5.00 L 550 1.00 L
14.5 Environmental hazards	NO
14.6 Special precautions for user For personal protection see section 8. Remarks	: IATA: permitted under 40%

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
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
China. Inventory of Existing Chemical Substances in China (IECSC)	- Listed on Inventory
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	- Listed on Inventory
Taiwan Chemical Substance Inventory (TCSI)	- 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)

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)
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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

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

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

Components	CAS-No.	Reportable quantity
Hydrogen peroxide (H2O2)	7722-84-1	1000 lb

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

This material does not contain any components with a CERCLA RQ.

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

Date Prepared: 12/03/2018

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

- PEL — Permissible 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.