

Interox® AG SPRAY 35-S

Revision Date 11/10/2015

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

- Trade name Interox® AG SPRAY 35-S

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

- Bleaching agents
- Chemical industry
- Electronic industry
- Metal treatment
- Odor agents
- Oxidizing agents
- Textile industry
- Water treatment
- Manufacture of pulp, paper and paper products

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 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
Skin irritation, Category 2
Serious eye damage, Category 1
Specific target organ systemic toxicity - single exposure, Category 3

H302: Harmful if swallowed.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H335: May cause respiratory irritation. (Respiratory system)

2.2 Label elements**HCS 2012 (29 CFR 1910.1200)****Pictogram****Signal Word**

- Danger

Hazard Statements

- | | |
|--|---|
| <ul style="list-style-type: none"> - H302 - H315 - H318 - H335 | <p>Harmful if swallowed.
Causes skin irritation.
Causes serious eye damage.
May cause respiratory irritation.</p> |
|--|---|

Precautionary StatementsPrevention

- 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 eye protection/ face protection.
- P280 Wear protective gloves.

Response

- P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.
- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician 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 or doctor/ physician.
- 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

- H412: Harmful to aquatic life with long lasting effects.
- None known.

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

- Not applicable, this product is a mixture.

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3.2 Mixture

- Chemical nature Mixture

Hazardous Ingredients and Impurities

Chemical Name	Identification number CAS-No.	Concentration [%]
Hydrogen peroxide (H2O2)	7722-84-1	35

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****General advice**

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

In case of inhalation

- Move to fresh air.
- If symptoms persist, call a physician.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Call a POISON CENTER or doctor/ physician if you feel unwell.

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.

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

- Nose bleeding
- sore throat
- Cough

Effects

- irritation of the upper respiratory tract

In case of skin contact**Symptoms**

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- Redness
- Swelling of tissue

Effects

- Corrosive
- Causes severe burns.

In case of eye contact**Symptoms**

- Redness
- Lachrymation
- Swelling of tissue

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.
- 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

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Unsuitable extinguishing media

- None.

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

- Oxygen released in thermal decomposition may support combustion
- 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
- 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**

- Prevent further leakage or spillage if safe to do so.
- Keep away from incompatible products

Advice for emergency responders

- Evacuate personnel to safe areas.
- Keep people away from and upwind of spill/leak.
- Use personal protective equipment.

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

- Dam up.
- Do not mix waste streams during collection.
- Soak up with inert absorbent material.
- Keep in suitable, closed containers for disposal.
- Never return spills in original containers for re-use.

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.
- 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

- Eye wash bottles or eye wash stations in compliance with applicable standards.
- 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 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.
- Electrical equipment should be protected to the appropriate standard.

- 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

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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**NIOSH IDLH (Immediately Dangerous to Life or Health Concentrations)**

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

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

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

Individual protection measures**Respiratory protection**

- Self-contained breathing apparatus in confined spaces/insufficient oxygen/in case of large uncontrolled emissions/in all circumstances when the mask and cartridge do not give adequate protection.
- Use only respiratory protection that conforms to international/ national standards.
- Use NIOSH approved respiratory protection.
- Wear an approved full-face air supplied respirator for excessive or unknown concentrations. Selected chemical cartridges for respirators, i.e. OV, OV/AG, GME have been tested successfully under lab conditions to remove hydrogen peroxide and peracetic acid vapors in concentrations exceeding the applicable exposure limits. Further information is available in a Solvay Chemicals, Inc. Technical Communication, located at <http://www.solvaychemicals.us/resource.htm> in the Peractic Acid section.

Hand protection

- Impervious gloves

Suitable material

- PVC
- Natural Rubber
- butyl-rubber
- Nitrile rubber
- 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).

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

- Chemical resistant apron
- Suitable material
- PVC
- Natural Rubber
- If splashes are likely to occur, wear:
- Apron
- Boots

Hygiene measures

- Eye wash bottles or eye wash stations in compliance with applicable standards.

- 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>	Physical state: liquid
	Color: colorless
<u>Odor</u>	pungent
<u>Odor Threshold</u>	no data available
<u>pH</u>	2.0 (70 °F (21 °C)) H ₂ O ₂ 50 % pKa: 11.6 (77 °F (25 °C))
<u>Freezing point</u>	-27 °F (-33 °C) H ₂ O ₂ 35 %
<u>Boiling point/boiling range</u>	226 °F (108 °C) H ₂ O ₂ 35 %
<u>Flash point</u>	does not flash
<u>Evaporation rate (Butylacetate = 1)</u>	no data available
<u>Flammability (liquids)</u>	The product is not flammable.
<u>Flammability / Explosive limit</u>	<u>Explosiveness:</u> Not explosive With certain materials (see section 10).
<u>Autoignition temperature</u>	The product is not flammable.
<u>Vapor pressure</u>	0.75 mmHg (1 hPa) (86 °F (30 °C)) H ₂ O ₂ 50 %
<u>Vapor density</u>	1 H ₂ O ₂ 50 %
<u>Density</u>	<u>Bulk density:</u> Not applicable <u>Relative density:</u> 1.1 - 1.2
<u>Solubility</u>	<u>Water solubility :</u> completely soluble

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Partition coefficient: n-octanol/water

log Pow: -1.57
 Method: Calculation method

Thermal decomposition

>= 140 °F (>= 60 °C)
 Self-Accelerating decomposition temperature (SADT)

< 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 %

Molecular weight

34 g/mol

SECTION 10: Stability and reactivity**10.1 Reactivity**

- Decomposes on heating.
- 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 : 1,232 mg/kg - Rat , male and female

Test substance: H₂O₂ 35 %

This product is classified as acute toxicity category 4

Unpublished reports

Acute inhalation toxicityHydrogen peroxide (H₂O₂)

LC50 - 4 h (vapor) : > 0.17 mg/l - Rat

Not classified as hazardous for acute inhalation toxicity according to GHS.

Unpublished reports

Acute dermal toxicityHydrogen peroxide (H₂O₂)

LD50 : 9,200 mg/kg - Rabbit

Test substance: H₂O₂ 70 %

Not classified as hazardous for acute dermal toxicity according to GHS.

Unpublished reports

Acute toxicity (other routes of administration)**Skin corrosion/irritation**

Rabbit

Skin irritation

Test substance: H₂O₂ 35 %**Serious eye damage/eye irritation**

Rabbit

Risk of serious damage to eyes.

Test substance: H₂O₂ 10 %**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 vivoHydrogen peroxide (H₂O₂)

In vivo micronucleus test - Mouse

Oral

Method: OECD Test Guideline 474

negative

Unpublished reports

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CarcinogenicityHydrogen peroxide (H₂O₂) no data available

Ingredients	CAS-No.	Rating	Basis
Hydrogen peroxide (H ₂ O ₂)	7722-84-1	Confirmed animal carcinogen with unknown relevance to humans	ACGIH

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/TeratogenicityHydrogen 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 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**Aspiration toxicity**

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 plantsHydrogen 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 microorganismsHydrogen 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 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**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

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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 compartmentsHydrogen peroxide (H₂O₂)

Ultimate destination of the product: Water

12.5 Results of PBT and vPvB assessmentHydrogen 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

no data available

Ecotoxicity assessment**Acute aquatic toxicity**Hydrogen peroxide (H₂O₂)

Toxic to aquatic life.

Chronic aquatic toxicityHydrogen 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.

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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

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14.5 Environmental hazards
Marine pollutant NO

NOM

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

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

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IATA**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:

Label(s): 8

14.4 Packing group 5.1 (8)

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 NO**14.6 Special precautions for user**

For personal protection see section 8.

Other information : 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.

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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
Mexico INSQ (INSQ)	- Listed on Inventory
New Zealand. Inventory of Chemical Substances	- Listed on Inventory
EU. European Registration, Evaluation, Authorisation and Restriction of Chemical (REACH)	- If product is purchased from Solvay in Europe it is in compliance with REACH, if not please contact the supplier.

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

Fire Hazard	yes
Reactivity Hazard	no
Sudden Release of Pressure Hazard	no
Acute Health Hazard	yes
Chronic Health Hazard	no

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.

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

The following components are subject to reporting levels established by SARA Title III, Section 302:

Ingredients	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)

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

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

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

Health	3 serious
Flammability	0 minimal
Instability or Reactivity	1 slight
Special Notices	OX Oxidizer

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

Health	3 serious
Flammability	0 minimal
Reactivity	1 slight
PPE	Determined by User; dependent on local conditions

Further information

- Product evaluated under the US GHS format.
- Product evaluated under the US GHS format.
- Product evaluated under the US GHS format.

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- 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.