

**SDS**

Safety Data Sheet

80 Metcalfe Street  
Buffalo, New York 14206  
716-856-2300/fax 716-856-7115

24 hour emergency telephone  
CHEMTREC 800-424-9300

Revision Date 01/27/2017

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

- Trade name **Hydrogen Peroxide 20-40%**

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

- Contact your supplier for additional information
- Bleaching agents
- Chemical industry
- Electronic industry
- Metal treatment
- Odor agents
- Oxidizing Agents
- Textile industry
- Water treatment
- Manufacture of pulp, paper and paper products
- Food additive

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

Chemical Distributors, Inc.  
80 Metcalfe Street  
Buffalo, New York 14206  
USA  
Tel: +1-800-777-2436; +1-716-856-2300  
Fax: +1-716-856-7115

**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

**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 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.

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

- Not applicable, this product is a mixture.

**3.2 Mixture**

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- Chemical nature Mixture

**Hazardous Ingredients and Impurities**

Chemical Name	Identification number CAS-No.	Concentration [%]
Hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> )	7722-84-1	20-40

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**

- 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**

Not applicable

**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**

- 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.

**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**

- aluminium 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**

Ingredients	Value type	Value	Basis
Hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> )	TWA	1 ppm 1.4 mg/m <sup>3</sup>	National Institute for Occupational Safety and Health

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Hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> )	TWA	1 ppm	American Conference of Governmental Industrial Hygienists
Hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> )	TWA	1 ppm 1.4 mg/m <sup>3</sup>	Occupational Safety and Health Administration - Table Z-1 Limits for Air Contaminants
The value in mg/m <sup>3</sup> is approximate.			

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

Ingredients	CAS-No.	Concentration
Hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> )	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 Peracetic 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

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- 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**

<b><u>Appearance</u></b>	<u>Physical state:</u> liquid <u>Color:</u> colorless
<b><u>Odor</u></b>	pungent
<b><u>Odor Threshold</u></b>	no data available
<b><u>pH</u></b>	2.0 ( 70 °F (21 °C)) H2O2 50 %  <u>pKa:</u> 11.6 ( 77 °F (25 °C))
<b><u>Freezing point</u></b>	-27 °F (-33 °C) H2O2 35 %
<b><u>Boiling point/boiling range</u></b>	226 °F (108 °C) H2O2 35 %
<b><u>Flash point</u></b>	Not applicable
<b><u>Evaporation rate (Butylacetate = 1)</u></b>	no data available
<b><u>Flammability (solid, gas)</u></b>	Not applicable
<b><u>Flammability (liquids)</u></b>	The product is not flammable.
<b><u>Flammability / Explosive limit</u></b>	<u>Explosiveness:</u> Not explosive  With certain materials (see section 10).
<b><u>Autoignition temperature</u></b>	The product is not flammable.
<b><u>Vapor pressure</u></b>	0.75 mmHg (1 hPa) ( 86 °F (30 °C)) H2O2 50 %



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<b><u>Vapor density</u></b>	1 H2O2 50 %
<b><u>Density</u></b>	<b><u>Bulk density:</u></b> Not applicable <b><u>Relative density:</u></b> 1.1 - 1.2
<b><u>Solubility</u></b>	<b><u>Water solubility :</u></b> completely miscible
<b><u>Partition coefficient: n-octanol/water</u></b>	log Pow: -1.57 Method: Calculation method
<b><u>Thermal decomposition</u></b>	>= 140 °F (>= 60 °C) Self-Accelerating decomposition temperature (SADT)  < 140 °F (< 60 °C) Slow decomposition
<b><u>Viscosity</u></b>	<b><u>Viscosity, dynamic :</u></b> 1.17 mPa.s ( 68 °F (20 °C)) H2O2 50 %
<b><u>Explosive properties</u></b>	no data available
<b><u>Oxidizing properties</u></b>	Not considered as oxidizing.

**9.2 Other information**

<b><u>Henry's Constant</u></b>	0.00075 Pa.m <sup>3</sup> / mol ( 68 °F (20 °C)) not significant, Air, Volatility
<b><u>Surface tension</u></b>	75.6 mN/m ( 68 °F (20 °C)) H2O2 50 %
<b><u>Molecular weight</u></b>	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 : 1,193 - 1,270 mg/kg - Rat  
Test substance: H2O2 35 %

**Acute inhalation toxicity** LC50 - 4 h ( vapor ) > 0.17 mg/l - Rat  
Test substance: H2O2 50 %  
No mortality observed at this concentration.

**Acute dermal toxicity** LD50 > 2,000 mg/kg - Rabbit  
Test substance: H2O2 35 %

**Acute toxicity (other routes of administration)** no data available

**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** Guinea pig  
Did not cause sensitization on laboratory animals.

**Mutagenicity**

**Genotoxicity in vitro** In vitro tests have shown mutagenic effects.

**Genotoxicity in vivo** In vivo tests did not show mutagenic effects

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**Carcinogenicity**

Mouse

Oral

Exposure time: Prolonged exposure

Target Organs: duodenum

carcinogenic effects

Dust causes lung tumors in rats.

Lung tumors observed in rat following long-term inhalation exposure to poorly soluble particles of low toxicity are the result of a species-specific mechanism known as "lung overload". The formation of tumors is not observed in other species under similar exposure conditions and is considered not predictive of the effects in humans.

Not classifiable as a human carcinogen.

Note: IARC Classification: Group 2B

Mouse

Dermal

Exposure time: Prolonged exposure

Animal testing did not show any carcinogenic effects.

Dust causes lung tumors in rats.

Lung tumors observed in rat following long-term inhalation exposure to poorly soluble particles of low toxicity are the result of a species-specific mechanism known as "lung overload". The formation of tumors is not observed in other species under similar exposure conditions and is considered not predictive of the effects in humans.

Not classifiable as a human carcinogen.

Note: IARC Classification: Group 2B

Ingredients	CAS-No.	Rating	Basis
Hydrogen peroxide (H2O2)	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**

Substance is totally biotransformed (metabolized).  
study scientifically unjustified

**Developmental Toxicity/Teratogenicity** no data available

**STOT****STOT-single exposure**

Routes of exposure: Inhalation  
May cause respiratory irritation.  
H2O2 50 %

RD 50 : 665 mg/m3 - Mouse  
Test substance: H2O2 50 %

**STOT-repeated exposure**

Oral 90-day - Mouse  
LOAEL: 300 ppm  
Target Organs: Gastrointestinal tract

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Oral 90-day - Mouse  
NOAEL: 100 ppm

Inhalation 28-day - Rat  
LOAEL: 10 ppm  
Target Organs: Respiratory system  
Vapor

Inhalation 28-day - Rat  
NOAEL: 2 ppm  
Vapor

**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 (H<sub>2</sub>O<sub>2</sub>) LC50 - 96 h : 16.4 mg/l - Pimephales promelas (fathead minnow)

NOEC - 96 h : 4.3 mg/l - Pimephales promelas (fathead minnow)

##### **Acute toxicity to daphnia and other aquatic invertebrates.**

Hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) EC50 - 48 h : 2.4 mg/l - Daphnia pulex (Water flea)  
semi-static test  
Fresh water

NOEC - 48 h : 1 mg/l - Daphnia pulex (Water flea)  
semi-static test  
Fresh water

##### **Toxicity to aquatic plants**

Hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) EC50 - 72 h : 2.6 mg/l - Skeletonema costatum (marine diatom)  
Growth rate

NOEC - 72 h : 0.63 mg/l - Skeletonema costatum (marine diatom)

##### **Chronic toxicity to daphnia and other aquatic invertebrates.**

Hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) NOEC: 0.63 mg/l - 21 Days - Daphnia magna (Water flea)  
Reproduction Test

### 12.2 Persistence and degradability

#### **Abiotic degradation**

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**Stability in water** t 1/2: Half-life value: 120 h  
redox reaction  
Conditions: mineral and enzymatic catalysis, Fresh water, salt water  
Medium, Water  
t 1/2: Half-life value: 12 h  
redox reaction  
Conditions: mineral and enzymatic catalysis  
Medium, Soil

**Photodegradation**  
Sensitizer: OH  
Half-life indirect photolysis: 24 h  
Medium  
Air

**Biodegradation**

**Biodegradability**

aerobic  
Half-life value: < 2 min  
Readily biodegradable.  
Inoculum: biological treatment sludge

aerobic  
Half-life value: 0.3 - 5 Days  
Readily biodegradable.  
Fresh water

anaerobic  
Not applicable  
Soil/sediments

aerobic  
Half-life value: 12 h  
Readily biodegradable.  
Soil

**12.3 Bioaccumulative potential**

**Bioconcentration factor (BCF)** Does not bioaccumulate.

**12.4 Mobility in soil**

**Adsorption potential (Koc)** Water  
considerable solubility and mobility

Soil/sediments  
Log Koc: 0.2  
non-significant evaporation and adsorption

**12.5 Results of PBT and vPvB assessment** no data available

**12.6 Other adverse effects** no data available

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**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.

**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**

<b>14.1 UN number</b>	UN 2014
<b>14.2 Proper shipping name</b>	HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS
<b>14.3 Transport hazard class</b>	5.1
Subsidiary hazard class	8
Label(s)	5.1 (8)
<b>14.4 Packing group</b>	
Packing group	II
ERG No	140
<b>14.5 Environmental hazards</b>	NO
<b>Marine pollutant</b>	

**IDG**

<b>14.1 UN number</b>	UN 2014
<b>14.2 Proper shipping name</b>	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
<b>14.3 Transport hazard class</b>	5.1
Subsidiary hazard class	8
Label(s)	5.1 (8)
<b>14.4 Packing group</b>	
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** 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** 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.

**IATA**

**14.1 UN number** UN 2014

**14.2 Proper shipping name** Not permitted for transport

**14.3 Transport hazard class** Not permitted for transport

**14.4 Packing group**  
 Packing instruction (cargo aircraft) Not permitted for transport  
 Packing instruction (passenger aircraft) Not permitted for transport

**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.

## 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)**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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

This material does not contain any components with a SARA 302 RQ.



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

This material does not contain any components with a section 304 EHS RQ.

**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.

**Date Prepared:** 05/29/2015

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

- 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

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