

SAFETY DATA SHEET

Preparation Date: 7/28/2016

Revision Date: 1/04/2017

Revision Number: G2

1. IDENTIFICATION

Product identifier

Product code: C2313
Product Name: CUMENE HYDROPEROXIDE

Other means of identification

Synonyms: alpha, alpha-Dimethylbenzyl hydroperoxide; cumenyl hydroperoxide; Cumyl hydroperoxide; Isopropylbenzene hydroperoxide; alpha-Cumyl hydroperoxide
CAS #: 80-15-9
RTECS # MX2450000
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: No information available.
Uses advised against No information available

Supplier: Spectrum Chemical Mfg. Corp
 14422 South San Pedro St.
 Gardena, CA 90248
 (310) 516-8000.

Order Online At: <https://www.spectrumchemical.com>

Emergency telephone number Chemtrec 1-800-424-9300

Contact Person: Martin LaBenz (West Coast)

Contact Person: Ibad Tirmiz (East Coast)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 3
Acute toxicity - Inhalation (Gases)	Category 3
Acute toxicity - Inhalation (Vapors)	Category 3
Acute toxicity - Inhalation (Dusts/Mists)	Category 3
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Germ cell mutagenicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Organic peroxides	Type F
Flammable liquids	Category 3

Label elements

Danger

Hazard statements

Harmful if swallowed
Toxic if inhaled
Causes severe skin burns and eye damage
May cause an allergic skin reaction
Suspected of causing genetic defects
May cause respiratory irritation. May cause drowsiness or dizziness
Heating may cause a fire
Flammable liquid and vapor



Hazards not otherwise classified (HNOC)

Not Applicable

Other hazards

Toxic to aquatic life with long lasting effects

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wash face, hands and any exposed skin thoroughly after handling
Keep/Store away from clothing and other combustible materials
Do not eat, drink or smoke when using this product
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Use explosion-proof electrical/ventilating/lighting/./? /equipment
Ground/bond container and receiving equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Use only outdoors or in a well-ventilated area
Do not breathe dust/fume/gas/mist/vapors/spray
Wear protective gloves/protective clothing/eye protection/face protection
Contaminated work clothing must not be allowed out of the workplace
Keep only in original container

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician

In case of fire: Use CO₂, dry chemical, or foam to extinguish.

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.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

If skin irritation or rash occurs: Get medical advice/attention

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place. Keep container tightly closed
Store in a well-ventilated place. Keep cool
Store at temperatures not exceeding 8 °C/46.4 °F. Keep cool
Protect from sunlight
Store away from other materials

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
Cumene Hydroperoxide	80-15-9	100

4. FIRST AID MEASURES

First aid measures

General Advice: National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. First aider needs to protect himself.

Skin Contact: Wash off immediately with soap and plenty of water. Continue flushing with plenty of water for at least 15 minutes. Remove all contaminated clothes and shoes. Immediate medical attention is required. Call a physician or Poison Control Centre immediately.

Eye Contact: Flush eye(s) immediately with plenty of water. Flush eyes with water for 15 minutes. Immediate medical attention is required. Call a physician immediately.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. WARNING! It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled or ingested material is toxic, infectious or corrosive. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Obtain medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms Severe skin and eye irritation or burns. Possible eye damage. Coughing. Sore throat. Hoarseness. Nosebleeds. Dyspnea (Shortness of breath and difficulty breathing). May cause build-up of fluid in the lungs (pulmonary edema). Abdominal pain. Burning sensation in the mouth and stomach. Irritating to mouth, throat and stomach. Can burn mouth, throat, and stomach. May cause salivation. Hematuria (bloody urine). May cause dizziness. May cause headache. Fainting. Ataxia.

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of

contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide (CO₂). Dry chemical. Water spray mist or foam.

Unsuitable Extinguishing Media: Do not use a solid (straight) water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Hazardous Combustion Products: Carbon oxides

Hazardous Combustion Products: No information available.

Specific hazards: Flammable. May be ignited by heat, sparks or flames. Oxidizer. Keep away from combustible materials (wood, paper, oil, clothing, etc.). May ignite combustibles (wood, paper, oil, clothing, etc.). May explode on heating at about 150 deg. C. Has low explosive power. Container explosion may occur under fire conditions or when heated.

Special Protective Actions for Firefighters

Specific Methods: Water mist may be used to cool closed containers. For larger fires, use water spray or fog. Cool containers with flooding quantities of water until well after fire is out.

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protective equipment. Remove all sources of ignition. Keep combustibles (wood, paper, oil, clothing, etc.) away from spilled material. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use spark-proof tools and explosion-proof equipment. Nonsparking tools should be used.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Absorb spill with inert material (e.g. vermiculite, dry sand or earth). In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use only non-sparking tools. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions:

Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials.

Safe Handling Advice

Wear personal protective equipment. Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not breathe vapors or spray mist. Do not ingest. When using do not smoke. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep refrigerated. Keep at temperatures between 2 and 8 °C. Store away from incompatible materials. Keep away from direct sunlight.

Incompatible Materials:

Combustible materials
Reducing agents
Copper
Copper alloys
Lead
Lead alloys
Mineral acids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WHEEL
Cumene Hydroperoxide	80-15-9	None	None	None	= 1 ppm TWA

Canada

Components	CAS-No.	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Cumene Hydroperoxide	80-15-9	None	None	None	None

Australia and Mexico

Components	CAS-No.	Australia	Mexico
Cumene Hydroperoxide	80-15-9	None	None

Appropriate engineering controls

Engineering measures to reduce exposure:

Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection:	Goggles
Skin and body protection:	Chemical resistant apron. Long sleeved clothing. Gloves.
Respiratory protection:	Vapor respirator. Be sure to use an approved/certified respirator or equivalent.
Hygiene measures:	Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid	Appearance: Clear.	Color: Colorless to pale yellow.
Odor: No information available.	Taste No information available.	Formula: C9H12O2
Molecular/Formula weight: 152.20	Flammability: Flammable	Flashpoint (°C/°F): 79 °C/174.2 °F 56 °C/132.8 °F
Flash Point Tested according to: Open cup Closed cup	Autoignition Temperature (°C/°F): 380 °C/716 °F	Lower Explosion Limit (%): 0.9%
Upper Explosion Limit (%): 6.5%	Melting point/range(°C/°F): -40 to -30 °C/-40 to -22 °F	Decomposition temperature(°C/°F): No information available
Boiling point/range(°C/°F): 53 °C/127.4 °F @ 13 0.013 kPa	Bulk density: No information available	Density (g/cm3): No information available
Specific gravity: 1.0619 @ 20 °C	pH: No information available	Vapor pressure @ 20°C (kPa): 0.001-0.032
Evaporation rate: No information available	Vapor density: No information available	VOC content (g/L): No information available
Odor threshold (ppm): No information available	Partition coefficient (n-octanol/water): No information available	Viscosity: No information available
Miscibility: No information available	Solubility: Soluble in Ether Readily soluble in alcohol, acetone, esters, hydrocarbons, chlorinated hydrocarbons Solubility in Water: 14-15 g/l @ 19 °C	

10. STABILITY AND REACTIVITY

Reactivity

Reacts violently with reducing materials

Reacts violently with combustibles

Contact with copper or lead alloys and mineral acids lead to a violent decomposition

A mixture of dimeric and trimeric dibromo compounds with hydroperoxide in benzene may react violently or explode if the solution is heated to concentrate it

Cumene hydroperoxide catalytically decomposes with the addition of small quantities of sodium iodide

Chemical stability

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Heat. Ignition sources. Exposure to sunlight. Incompatible materials.

Incompatible Materials: Combustible materials
Reducing agents
Copper
Copper alloys
Lead
Lead alloys
Mineral acids

Hazardous decomposition products: Carbon monoxide. When heated to decomposition it emits acrid smoke and irritating fumes. Above 125 deg. C, the principal hazard is phenol formation. Cumene hydroperoxide is decomposed violently at about 150 deg. C.

Other Information

Corrosivity: No information available

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:
Skin. Ingestion. Inhalation. Eyes.

Acute Toxicity

Component Information

Cumene Hydroperoxide	
CAS-No.	80-15-9

LD50/oral/rat = 382 mg/kg Oral LD50 Rat
500 mg/kg(EU Chemicals Bureau IUCLID datasheet)
800 mg/kg(RTECS)
LD50/oral/mouse = No information available
LD50/dermal/rabbit = 0.126mL/kgDermal LD50Rabbit
LD50/dermal/rat = 500 mg/kg
LC50/inhalation/rat = 220 ppm Inhalation LC50 Rat 4 h
LC50/inhalation/mouse = No information available
Other LD50 or LC50information = No information available

Product Information

LD50/oral/rat =
VALUE- Acute Tox Oral = 382 mg/kg

LD50/oral/mouse =

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Value - Acute Tox Oral = 342 mg/kg

LD50/dermal/rabbit

VALUE-Acute Tox Dermal = 134 mg/kg

LD50/dermal/rat

VALUE -Acute Tox Dermal = 500 mg/kg

LC50/inhalation/rat

VALUE-Vapor = No information available

VALUE-Gas = 220 ppm (4-hr)

VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse

VALUE-Vapor = No information available

VALUE - Gas = 200 ppm 4 hr.

VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: Causes severe irritation and burns. Toxic in contact with skin. It may be absorbed through the skin and cause convulsions and may affect the kidneys (hematuria).

Eye Contact: Severe eye irritation. Causes eye burns. Possible eye damage. May cause corneal damage. May cause blurred vision.

Inhalation Can cause dyspnea (shortness of breath and difficulty breathing). May cause nosebleeds, hoarseness, and/or sore throat. May cause increased saliva and cough with phlegm. Symptoms may include burning sensation, coughing and sore throat. It may cause pulmonary edema. May cause dizziness and headache. May cause fainting (passing out). It may affect behavior/central nervous system (ataxia). May affect behavior and cause irritability. May affect blood (changes in white blood cell count).

Ingestion Harmful if swallowed. Causes digestive (gastrointestinal) tract irritation. May cause digestive (gastrointestinal) tract burns. Symptoms may include a burning sensation in the mouth, throat, and stomach. May cause abdominal pain. May cause muscle weakness and/or muscle pain. May cause hematuria (blood in the urine).

Aspiration hazard No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity No information available.

Sensitization: No information available.

Mutagenic Effects: Mutations in microorganisms
Experiments with bacteria and/or yeast have shown mutagenic effects
DNA Damage - human lymphocyte

Carcinogenic effects: Not considered carcinogenic.

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Cumene Hydroperoxide	80-15-9	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity No data is available
Reproductive Effects: No information available
Developmental Effects: No information available
Teratogenic Effects: No information available

Specific Target Organ Toxicity

STOT - single exposure No information available.
STOT - repeated exposure No information available.
Target Organs: No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Aquatic environment.
Cumene Hydroperoxide - 80-15-9
Freshwater Fish Species Data: 3.9 mg/L LC50 Oncorhynchus mykiss 96 h static 1
Water Flea Data: 7 mg/L EC50 Daphnia magna 24 h
Persistence and degradability: No information available
Bioaccumulative potential: No information available.
Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:
Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:
Empty containers should be taken for local recycling, recovery or waste disposal

Components	CAS-No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Cumene Hydroperoxide	80-15-9	None	None	None	U096 Reactive waste

14. TRANSPORT INFORMATION

DOT
UN-No: UN3109
Proper Shipping Name: Organic peroxide type F, liquid (Cumene Hydroperoxide)
Hazard Class: 5.2
Subsidiary Class No information available
Packing group: No information available

Product code: C2313

Product name: CUMENE
HYDROPEROXIDE

Emergency Response Guide 145**Number****Marine Pollutant** No data available**DOT RQ (lbs):** No information available**Special Provisions** IP5**Symbol(s):** [DOT]: (G) - Identifies proper shipping names for which one or more technical names of the hazardous material must be entered in parentheses, in association with the basic description.**Description:** UN3109, Organic peroxide type F, liquid (Cumene Hydroperoxide), 5.2**TDG (Canada)****UN-No:** UN3109**Proper Shipping Name:** Organic peroxide type F, liquid (Cumene Hydroperoxide)**Hazard Class:** 5.2**Subsidiary Risk:** No information available**Packing Group:** II**Marine Pollutant** No Information available**Description:** UN3109, Organic peroxide type F, liquid (Cumene Hydroperoxide), 5.2, II**ADR****UN-No:** UN3109**Proper Shipping Name:** Organic peroxide type F, liquid (Cumene Hydroperoxide)**Hazard Class:** 5.2**Packing Group:** No information available**Subsidiary Risk:** No information available**Special Provisions** 122, 274**Description:** UN3109, Organic peroxide type F, liquid (Cumene Hydroperoxide), 5.2, ENVIRONMENTALLY HAZARDOUS**IMO / IMDG****UN-No:** UN3109**Proper Shipping Name:** Organic peroxide type F, liquid (Cumene Hydroperoxide)**Hazard Class:** 5.2**Subsidiary Risk:** No information available**Packing Group:** No information available**Marine Pollutant** No information available**EMS:** F-J**Special Provisions** 122, 274**Description:** UN3109, Organic peroxide type F, liquid (CUMENE HYDROPEROXIDE), 5.2, Marine pollutant**RID****UN-No:** UN3109**Proper Shipping Name:** Organic peroxide type F, liquid (Cumene Hydroperoxide)**Hazard Class:** 5.2**Subsidiary Risk:** No information available**Packing Group:** No information available**Special Provisions** 122, 274**Description:** UN3109, Organic peroxide type F, liquid (Cumene Hydroperoxide), 5.2, ENVIRONMENTALLY HAZARDOUS**ICAO****UN-No:** UN3109**Proper Shipping Name:** Organic peroxide type F, liquid (Cumene Hydroperoxide)**Hazard Class:** 5.2**Subsidiary Risk:** No information available**Packing Group:** No information available**Description:** UN3109, Organic peroxide type F, liquid (Cumene Hydroperoxide), 5.2**Special Provisions** A150, A20

IATA

UN-No: UN3109
Proper Shipping Name: Organic peroxide type F, liquid (Cumene Hydroperoxide)
Hazard Class: 5.2
Subsidiary Risk: No information available
Packing Group: No information available
ERG Code: 5L
Special Provisions No information available
Description: UN3109, Organic peroxide type F, liquid (Cumene Hydroperoxide), 5.2

15. REGULATORY INFORMATION

International Inventories

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
<i>Cumene Hydroperoxide</i>	80-15-9	Present	Present KE-24814	Present	Present (3)-1014	Present	Present	Present 201-254-7

U.S. Regulations*Cumene Hydroperoxide*

Massachusetts RTK: Present
New Jersey RTK Hazardous Substance List: 0543
New Jersey (EHS) List: 0543 500 lb TPQ
New Jersey - Discharge Prevention - List of Hazardous Substances: Present
New Jersey TCPA - EHS: =2500lbTQ
Pennsylvania RTK: Environmental hazard
Pennsylvania RTK - Environmental Hazard List Present
Pennsylvania RTK - Special Hazardous Substances Present
New York Release Reporting - List of Hazardous Substances:
 = 10 lb RQ
Louisiana Reportable Quantity List for Pollutants: Listed

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.**Chemicals Known to the State of California to Cause Cancer:**

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Cumene Hydroperoxide	80-15-9	Not Listed	Not Listed	Not Listed	Not Listed

CERCLA/SARA

Components	CAS-No.	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
<i>Cumene Hydroperoxide</i>	80-15-9	= 4.54 kg final RQ	None	None	None	1.0 % de minimis concentration

U.S. TSCA

Components	CAS-No.	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting

Product code: C2313

**Product name: CUMENE
HYDROPEROXIDE**

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Cumene Hydroperoxide	80-15-9	Not Applicable	03/07/1986 12/19/1995
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Canada

WHMIS hazard class:

B3 Combustible liquid
 C Oxidizing materials
 D1A Very toxic materials
 E Corrosive material

Components

Cumene Hydroperoxide

WHIMHAZ

B3 C D1A E

Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Components	WHMIS Ingredient Disclosure List -
Cumene Hydroperoxide	1 %

Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Cumene Hydroperoxide	80-15-9	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Cumene Hydroperoxide	80-15-9	Not listed
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Cumene Hydroperoxide	80-15-9	Not listed

EU Classification

R-phrase(s)

R 7 - May cause fire.
 R23 - Toxic by inhalation.
 R34 - Causes burns.
 R21/22 - Harmful in contact with skin and if swallowed.
 R48/20/22 - Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
 R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S -phrase(s)

S14 - Keep away from easily oxidizable materials.
 S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 S50 - Do not mix with .?
 S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.
 S 1/2 - Keep locked up and out of the reach of children.
 S 3/7 - Keep container tightly closed in a cool place.
 S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

Components	CAS-No.	Classification	Concentration Limits:	Safety Phrases
Cumene Hydroperoxide	80-15-9	Xn; R21/22-48/20/22 T; R23 C; R34 N; R51-53 O; R7	25%<=C: T,N; R21/22-23-34-48/20/2 2-51/53 10%<=C<25%: C; R20-34-48/20/22-52/5 3 3%<=C<10%: Xn; R20-37/38-41-52/53 2.5%<=C<3%: Xi; R36/37-52/53	S1/2 S3/7 S14 S36/37/39 S45 S50 S61

			1%<=C<2.5%: Xi; R36/37	
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The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

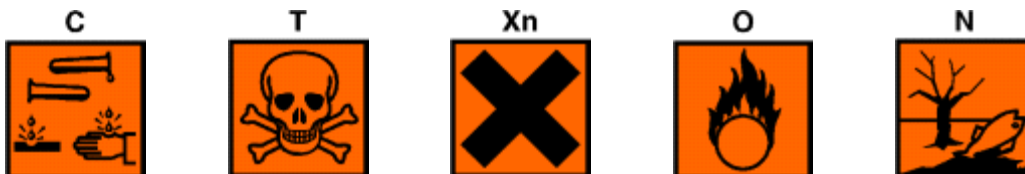
C - Corrosive.

T - Toxic

Xn - Harmful.

O - Oxidising.

N - Dangerous for the environment.



16. OTHER INFORMATION

Preparation Date: 7/28/2016
Revision Date: 1/04/2017
Prepared by: Sonia Owen

Disclaimer:

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet