SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 as amended by Regulation (EU) No. 2020/878, and
Regulation (EC) No. 1272/2008

Revision Date 21-Nov-2024 **Version** 1

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

1.1. Product identifier

Product Code 27183

Product Name HIGH STRENGTH THREADLOCKER RED 90ML

Other means of identification

Unique Formula Identifier (UFI) CMNH-80W4-G00F-0UCV

Mixture. Contains DIMETHYLBENZYL HYDROPEROXIDE; CUMENE

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

Recommended Use Adhesive

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Manufacturer
ITW Permatex, Inc.
6875 Parkland Blvd.
Solon, Ohio 44139 USA
Telephone: 1-87-Permatex
(866) 732-9502

Only Representative (OR)
ITW Permatex, Inc.
Bay 150
Shannon Industrial Estate
Co. Clare
Ireland
V14 DF82
353(61)771500
353(61)471285
customerservice.shannon@itwpp.com

For further information, please contact

Contact Point
ITW Permatex, Inc.
6875 Parkland Blvd.
Solon, Ohio 44139 USA
Telephone: 1-87-Permatex
(866) 732-9502

E-mail address: mail@permatex.com

Non-Emergency Telephone Number 866-732-9502

1.4. Emergency telephone number

24-hour emergency phone number EU Member States information as follows:

24-hour emergency phone number - §45 - (EC)1272/2008	
Europe	**112**
Austria	01 406 43 43

Belgium	070 245 245
Bulgaria	+359 2 9154 233
Croatia	+3851 2348 342
Cyprus	1401
Czech Republic	+420 224 919 293/ +420 224 915 402
Denmark	+ 45 8212 1212
Estonia	16662/ (+372) 7943 794
Finland	0800 147 111/ 09 471 977
France	+33 (0)1 45 42 59 59
Germany	+49 228 192 40
Greece	(003) 2107793777
Hungary	+36 80 201 199
Iceland	543 2222
Ireland	01 809 2166
Italy	0382-24444
Latvia	+371 67042473
Liechtenstein	01 406 43 43
Lithuania	+370 (85) 2362052
Luxembourg	(+352) 8002 5500
Malta	112
Netherlands	+31 (0)88 755 8000
Norway	22 59 13 00
Poland	112
Portugal	+351 800 250 250
Romania	+40213183606
Slovakia	+421 2 5477 4166
Slovenia	112
Spain	+34 91 562 04 20
Sweden	112
Switzerland	145
United Kingdom	111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin irritation	Category 3 - (H316)
Eye irritation	Category 2 - (H319)
Carcinogenicity	Category 1B - (H350)
Specific target organ toxicity (single exposure)	Category 3 - (H335)
Category 3 Target organ effects: Respiratory irritation.	
Chronic aquatic toxicity	Category 3 - (H412)

2.2. Label elements

Contains DIMETHYLBENZYL HYDROPEROXIDE; CUMENE

Signal word
Danger

Hazard statements
H316 - Causes mild skin irritation.

H319 - Causes serious eye irritation.
H335 - May cause respiratory irritation.
H350 - May cause cancer.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary Statements - EU (§28, 1272/2008)
P201 - Obtain special instructions before use.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P312 - Call a POISON CENTER or doctor if you feel unwell.
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
P501 - Dispose of contents/ container to an approved waste disposal plant.

25.08 % of the mixture consists of ingredient(s) of unknown acute toxicity.
25.08 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
25.08 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
25.08 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
25.08 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
25.08 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Unknown aquatic toxicity
Contains 0.08 % of components with unknown hazards to the aquatic environment.

2.3. Other hazards

Other hazards No information available.

PBT & vPvB The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
DIMETHYLBENZYL HYDROPEROXIDE 80-15-9	1-5%	No data available	201-254-7 (617-002-00-8)	Org. Perox. E (H242) Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Corr. 1B (H314) Acute Tox. 3 (H331) STOT RE 2 (H373) Aquatic Chronic 2 (H411)	Eye Dam. 1 :: 3%<=C<10% Eye Irrit. 2 :: 1%<=C<3% Skin Corr. 1B :: C>=10% Skin Irrit. 2 :: 3%<=C<10% STOT SE 3 :: C<10%	-	-	-
AROMATIC AMINE 609-72-3	0.1-1%	No data available	210-199-8 (612-056-00-9)	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) STOT RE 2 (H373) Aquatic Chronic 3 (H412)	-	-	-	C
CUMENE	0.1-1%	No data	202-704-5	Flam. Liq. 3 (H226)	-	-	-	-

98-82-8		available	(601-024-00-X)	Asp. Tox. 1 (H304) STOT SE 3 (H335) Carc. 1B (H350) Aquatic Chronic 2 (H411)				

Note C - Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
DIMETHYLBENZYL HYDROPEROXIDE 80-15-9	382	133.56	No data available	No data available	No data available
CUMENE 98-82-8	1400	10578	No data available	21.5355	No data available

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59).

Section 4: First aid measures

4.1. Description of first aid measures

General advice IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air. IF exposed or concerned: Get medical advice/attention.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

Skin contact Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.

Ingestion Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

4.2. Most important symptoms and effects, both acute and delayed

Symptoms May cause redness and tearing of the eyes. Burning sensation. Prolonged contact may cause redness and irritation.

Effects of Exposure May cause cancer.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

Section 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Small Fire In case of fire, use water spray, foam, dry chemical, or CO2.
Large Fire In case of fire, use water spray, foam, dry chemical, or CO2.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical No information available.

Hazardous combustion products No information available

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing.

Other information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. Avoid breathing vapors or mists. In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene considerations Do not eat, drink or smoke when using this product. Wash hands before breaks and

immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Packaging materials No information available.

Storage class (TRGS 510) Storage class 6.1C.

7.3. Specific end use(s)

Specific use(s)
Adhesive.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other Information
No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
CUMENE 98-82-8	TWA: 50 mg/m³ TWA: 10 ppm STEL: 250 mg/m³ STEL: 50 ppm Sk*	TWA: 10 ppm TWA: 50 mg/m³ STEL 50 ppm STEL 250 mg/m³ Sk*	TWA: 10 ppm TWA: 50 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ Sk*	TWA: 10 ppm TWA: 50 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ Sk*	TWA: 10 ppm TWA: 50 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ Sk*
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
CUMENE 98-82-8	TWA: 10 ppm TWA: 50 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ Sk*	TWA: 100 mg/m³ Sk* Ceiling: 250 mg/m³	TWA: 10 ppm TWA: 50 mg/m³ STEL: 250 mg/m³ STEL: 50 ppm Sk*	TWA: 10 ppm TWA: 50 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ Sk*	TWA: 10 ppm TWA: 50 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ Sk*
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
CUMENE 98-82-8	TWA: 10 ppm TWA: 50 mg/m³ TWA: 150 mg/m³ TWA: 1000 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ STEL: 1500 mg/m³ Sk*	TWA: 10 ppm TWA: 50 mg/m³ Sk*	TWA: 10 ppm TWA: 50 mg/m³ Peak: 40 ppm Peak: 200 mg/m³ Sk*	TWA: 10 ppm TWA: 50 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ Sk*	TWA: 50 mg/m³ TWA: 10 ppm STEL: 250 mg/m³ STEL: 50 ppm Sk*
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
DIMETHYLBENZYL HYDROPEROXIDE 80-15-9	-	-	-	TWA: 1 mg/m³	TWA: 1 mg/m³ Sk*
CUMENE 98-82-8	TWA: 10 ppm TWA: 50 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ Sk*	TWA: 100 ppm TWA: 20 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ Sk*	TWA: 50 ppm TWA: 246 mg/m³	TWA: 10 ppm TWA: 50 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ Sk*	TWA: 50 mg/m³ TWA: 10 ppm STEL: 170 mg/m³ STEL: 35 ppm Sk*
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
CUMENE 98-82-8	TWA: 10 ppm TWA: 50 mg/m³ STEL: 50 ppm STEL: 250 mg/m³	TWA: 10 ppm TWA: 50 mg/m³ STEL: 50 ppm STEL: 250 mg/m³	TWA: 10 ppm TWA: 50 mg/m³ STEL: 50 ppm STEL: 250 mg/m³	TWA: 50 mg/m³ TWA: 10 ppm STEL: 250 mg/m³ STEL: 50 ppm	TWA: 50 mg/m³ STEL: 250 mg/m³ Sk*

	Sk*	Sk*	Sk*	Sk*	
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
CUMENE 98-82-8	TWA: 10 ppm TWA: 50 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ Sk*	TWA: 10 ppm TWA: 50 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ Sk*	TWA: 10 ppm TWA: 50 mg/m³ Sk* Ceiling: 250 mg/m³	TWA: 10 ppm TWA: 50 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ Sk*	TWA: 10 ppm TWA: 50 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ Sk*

Chemical name	Sweden	Switzerland	United Kingdom
CUMENE 98-82-8	NGV: 10 ppm NGV: 50 mg/m³ Bindande KGV: 50 ppm Bindande KGV: 250 mg/m³ Sk*	TWA: 20 ppm TWA: 100 mg/m³ STEL: 80 ppm STEL: 400 mg/m³ Sk*	TWA: 25 ppm TWA: 125 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ Sk*

Biological occupational exposure limits

Chemical name	European Union	Austria	Bulgaria	Croatia	Czech Republic
CUMENE 98-82-8	-	-	7 mg/g Creatinine - urine (2-Phenol-2 propanol) - up to two hours after the end of work shift	-	-

Chemical name	Denmark	Finland	France	Germany DFG	Germany TRGS
CUMENE 98-82-8	-	-	-	10 mg/g Creatinine (urine - 2-Phenyl-2-propanol (after hydrolysis) end of shift) 10 mg/g Creatinine - BAT (end of exposure or end of shift) urine	10 mg/g Creatinine (urine - 2-Phenyl-2-propanol (after hydrolysis) end of shift)

Chemical name	Latvia	Luxembourg	Romania	Slovakia
CUMENE 98-82-8	-	-	-	10.6 mg/L (urine - 2-Phenylpropane end of exposure or work shift)

Chemical name	Slovenia	Spain	Switzerland	United Kingdom
CUMENE 98-82-8	10 mg/g Creatinine - urine (2-Phenyl-2-propanol (after hydrolysis)) - at the end of the work shift	7 mg/g Creatinine (urine - 2-Phenyl-2-propanol end of shift)	20 mg/g creatinine (urine - 2-Phenyl-2-propanol after hydrolysis end of shift) 16.6 µmol/mmol creatinine (urine - 2-Phenyl-2-propanol after hydrolysis end of shift)	-

Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
DIMETHYLBENZYL HYDROPEROXIDE 80-15-9	-	-	6 mg/m³ [4] [6]
SACCHARIN 81-07-2	-	18.75 mg/kg bw/day [4] [6]	131.3 mg/m³ [4] [6]
CUMENE 98-82-8	-	15.4 mg/kg bw/day [4] [6]	100 mg/m³ [4] [6] 250 mg/m³ [5] [7]

Notes

[4] Systemic health effects.
[5] Local health effects.
[6] Long term.
[7] Short term.

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
SACCHARIN 81-07-2	12.5 mg/kg bw/day [4] [6]	-	50 mg/m³ [4] [6]
CUMENE 98-82-8	5 mg/kg bw/day [4] [6]	-	16.6 mg/m³ [4] [6]

Notes
[4] Systemic health effects.
[6] Long term.

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
DIMETHYLBENZYL HYDROPEROXIDE 80-15-9	0.0031 mg/L	0.031 mg/L	0.00031 mg/L	-	-
SACCHARIN 81-07-2	5 mg/L	50 mg/L	0.5 mg/L	-	-
CUMENE 98-82-8	0.035 mg/L	0.012 mg/L	0.0035 mg/L	-	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
DIMETHYLBENZYL HYDROPEROXIDE 80-15-9	0.023 mg/kg sediment dw	0.0023 mg/kg sediment dw	0.35 mg/L	0.0029 mg/kg soil dw	-
SACCHARIN 81-07-2	104.403 mg/kg sediment dw	104.403 mg/kg sediment dw	50 mg/L	29.024034 mg/kg soil dw	-
CUMENE 98-82-8	3.22 mg/kg sediment dw	0.322 mg/kg sediment dw	200 mg/L	0.624 mg/kg soil dw	-

8.2. Exposure controls

Engineering controls No information available.

Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing.

Respiratory protection Appropriate respiratory protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Thermal hazards No information available.

Other protective equipment No information available.

Environmental exposure controls No information available.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Color	Red
Odor	No information available.
Odor threshold	No information available

Property	**Values**	**Remarks • Method**
Melting point / freezing point	No data available	Estimated
Boiling point / boiling range	200 °C	
Flammability (solid, gas)	No data available	Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge.
Flammability Limit in Air		None known
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Flash point	131 °C	
Autoignition temperature	No data available	Estimated
Decomposition temperature		Remarks: Self-Accelerating decomposition temperature (SADT): 50 °C SADT-Self Accelerating Decomposition Temperature. Lowest temperature at which the tested package size will undergo a self-accelerating decomposition reaction.
pH	No data available	
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No Data Available	Kinematic viscosity at 100 degrees C
Dynamic viscosity	500 mPas @ 20°C (68°F)	
Water solubility	No data available Immiscible in water	
Solubility(ies)	No Data Available	None known
Partition coefficient	No Data Available	None known
Vapor pressure	No Data Available	mmHg
Relative density	1.11	
Bulk density	No data available	
Density	No data available	
Vapor density	No data available	Air = 1
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information

VOC content 2.7

9.2.1. Information with regard to physical hazard classes
Not applicable

9.2.2. Other safety characteristics
No information available

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data
Sensitivity to mechanical impact None.
Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Hazardous polymerization No information available.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous Decomposition Products None known based on information supplied.

Section 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Inhalation Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.

Skin contact Specific test data for the substance or mixture is not available. Prolonged contact may cause redness and irritation. Causes mild skin irritation.

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms May cause redness and tearing of the eyes. Prolonged contact may cause redness and irritation.

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

Acute toxicity Based on available data, the classification criteria are not met.

Numerical measures of toxicity
The following values are calculated based on chapter 3.1 of the GHS document:
ATEmix (oral) 6,489.70 mg/kg
ATEmix (dermal) 19,018.20 mg/kg
ATEmix (inhalation-gas) 99,999.00 ppm
ATEmix (inhalation-vapor) 99,999.00 mg/l
ATEmix (inhalation-dust/mist) 12.50 mg/l

25.08 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
25.08 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
25.08 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
25.08 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
25.08 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
DIMETHYLBENZYL HYDROPEROXIDE	= 382 mg/kg (Rat)	= 0.126 mL/kg (Rabbit)	= 220 ppm (Rat) 4 h
CUMENE	= 1400 mg/kg (Rat)	= 12300 µL/kg (Rabbit)	> 3577 ppm (Rat) 6 h

Skin corrosion/irritation Classification based on data available for ingredients. Causes mild skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

Respiratory or skin sensitization Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	European Union
CUMENE	Carc. 1B

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT - single exposure May cause respiratory irritation.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties Based on available data, the classification criteria are not met.

11.2.2. Other information

Other adverse effects No information available.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity Harmful to aquatic life with long lasting effects.

Unknown aquatic toxicity Contains 0.08 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to	Crustacea

			microorganisms	
DIMETHYLBENZYL HYDROPEROXIDE	-	LC50: =3.9mg/L (96h, Oncorhynchus mykiss)	-	-
CUMENE	EC50: =2.6mg/L (72h, Pseudokirchneriella subcapitata)	LC50: 6.04 - 6.61mg/L (96h, Pimephales promelas) LC50: =4.8mg/L (96h, Oncorhynchus mykiss) LC50: =2.7mg/L (96h, Oncorhynchus mykiss) LC50: =5.1mg/L (96h, Poecilia reticulata)	-	EC50: =0.6mg/L (48h, Daphnia magna) EC50: 7.9 - 14.1mg/L (48h, Daphnia magna)

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation

Chemical name	Partition coefficient
DIMETHYLBENZYL HYDROPEROXIDE	1.6
CUMENE	3.55

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment Based on available data, the classification criteria are not met.

Chemical name	PBT and vPvB assessment
DIMETHYLBENZYL HYDROPEROXIDE	The substance is not PBT / vPvB
CUMENE	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties Based on available data, the classification criteria are not met.

12.7. Other adverse effects

Other adverse effects No information available.

PMT or vPvM properties Based on available data, the classification criteria are not met.

Section 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

Section 14: Transport information

IATA

14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special precautions for user
Special Provisions None

IMDG

14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special precautions for user
Special Provisions None
14.7 Maritime transport in bulk according to IMO instruments No information available

RID

14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special precautions for user
Special Provisions None

ADR

14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special precautions for user
Special Provisions None

ADN

14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazard Not applicable
14.6 Special precautions for user
Special Provisions None

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

France

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
CUMENE - 98-82-8	RG 84

Germany

Water hazard class (WGK) strongly hazardous to water (WGK 3)

Netherlands

Carcinogenic, mutagenic and reproductive toxic effects

Chemical name	Netherlands - List of Carcinogens	Netherlands - List of Mutagens	Netherlands - List of Reproductive Toxins
CUMENE	Present	-	-

Switzerland

Ordinance on the Incentive Tax on Volatile Organic Compounds (OVOC) SR 814.018 Group I
Storage of Hazardous Material SC 10/12
WPO (GSchV) SR 814.201; WPA (GSchG) SR 814.20 Class B

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorizations and/or restrictions on use:

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
DIMETHYLBENZYL HYDROPEROXIDE - 80-15-9	75	-
CUMENE - 98-82-8	28 75	-

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Does not comply
ENCS	Complies
IECSC	Complies
KECI	Complies
PICCS	Complies
AICS	Complies
NZIoC	Complies
TCSI	Contact supplier for inventory compliance status

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing Chemicals Inventory
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances
NZIoC - New Zealand Inventory of Chemicals
TCSI - Taiwan Chemical Substance Inventory

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

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

Full text of H-Statements referred to under section 3
H226 - Flammable liquid and vapor
H242 - Heating may cause a fire
H301 - Toxic if swallowed
H302 - Harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H311 - Toxic in contact with skin
H312 - Harmful in contact with skin
H314 - Causes severe skin burns and eye damage
H331 - Toxic if inhaled
H335 - May cause respiratory irritation
H350 - May cause cancer
H373 - May cause damage to organs through prolonged or repeated exposure
H411 - Toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects

Legend
SVHC: Substances of Very High Concern for Authorization:
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances
STOT: Specific Target Organ Toxicity
ATE: Acute Toxicity Estimate
LC50: 50% Lethal Concentration
LD50: 50% Lethal Dose

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitizers		

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Skin sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

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This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006
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End of Safety Data Sheet