



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 15-May-2024

Version 7

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

1.1. Product identifier

Product Code 24350
Product Name SURFACE INSENSITIVE THREADLOCKER BLUE 50ML
Unique Formula Identifier (UFI) Code 6ENH-80HA-V00G-P56R
Other means of identification

Contains MALEIC ACID, 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

1.4. Emergency telephone number

24-hour emergency phone number - §45 - (EC)1272/2008	
Europe	112
Austria	01 406 43 43
Belgium	070 245 245
Denmark	+ 45 8212 1212
Finland	0800 147 111/ 09 471 977
France	+33 (0)1 45 42 59 59
Germany	+49 228 192 40

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitization	Category 1 - (H317)
Carcinogenicity	Category 1B - (H350)
Specific target organ toxicity (single exposure)	Category 3 - (H335, H336)
Chronic aquatic toxicity	Category 2 - (H411)

2.2. Label elements

Contains MALEIC ACID, CUMENE



Signal word

Danger

Hazard statements

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H335 + H336 - May cause respiratory irritation. May cause drowsiness or dizziness

H350 - May cause cancer

H411 - Toxic 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
- P273 - Avoid release to the environment
- P280 - Wear protective gloves/protective clothing/eye protection/face protection
- P321 - Specific treatment (see .? on this label)
- P391 - Collect spillage

- 6.08 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
- 30.08 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
- 32.4 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
- 32.4 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
- 32.4 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Unknown aquatic toxicity Contains 0.105 % of components with unknown hazards to the aquatic environment.

2.3. Other hazards

Causes mild skin irritation. Toxic to aquatic life.

Endocrine Disruptor Information

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical name	Weight-%	REACH registration No.	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
DIMETHYLBENZYL HYDROPEROXIDE 80-15-9	1 - <2.5%		(617-002-00-8) 201-254-7	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 3 (H331) Skin Corr. 1B (H314) STOT RE 2 (H373) Aquatic Chronic 2 (H411) Org. Perox. E (H242)	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%	-	-
MALEIC ACID 110-16-7	0.5 - <1%		(607-095-00-3) 203-742-5	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335)	Skin Sens. 1 :: C>=0.1%	-	-
ACRYLIC ACID 79-10-7	0.1 - <0.5%	See CAS 9003-01-4	(607-061-00-8) 201-177-9	Acute Tox. 4 (H302) Acute Tox. 4 (H312)	STOT SE 3 :: C>=1%	-	-

				Acute Tox. 4 (H332) Skin Corr. 1A (H314) Aquatic Acute 1 (H400) Flam. Liq. 3 (H226)			
CUMENE 98-82-8	0.1 - <0.5%		(601-024-00-X) 202-704-5	Carc. 1B (H350) STOT SE 3 (H335) Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411) Flam. Liq. 3 (H226)	-	-	-

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

Acute Toxicity Estimate

No information available

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
MALEIC ACID 110-16-7	708	1560	0.18	No data available	No data available
ACRYLIC ACID 79-10-7	193	2000	3.6 2.775	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 $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove to fresh air.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.
Ingestion	Rinse mouth.

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

Symptoms No information available.

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

Effects of Exposure No information available.

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.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

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.

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.

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 Ensure adequate ventilation.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
ACRYLIC ACID 79-10-7	STEL: 59 mg/m ³ STEL: 20 ppm TWA: 29 mg/m ³ TWA: 10 ppm	TWA: 10 ppm TWA: 29 mg/m ³ STEL 20 ppm STEL 59 mg/m ³	TWA: 2 ppm TWA: 6.0 mg/m ³ STEL: 20 ppm STEL: 59 mg/m ³ D*	STEL: 59 mg/m ³ STEL: 20 ppm TWA: 29 mg/m ³ TWA: 10 ppm	TWA: 10 ppm TWA: 29 mg/m ³ STEL: 20 ppm STEL: 59 mg/m ³
CUMENE 98-82-8	* STEL: 250 mg/m ³ STEL: 50 ppm TWA: 50 mg/m ³ TWA: 10 ppm	TWA: 10 ppm TWA: 50 mg/m ³ STEL 50 ppm STEL 250 mg/m ³ H*	TWA: 10 ppm TWA: 50 mg/m ³ STEL: 50 ppm STEL: 250 mg/m ³ D*	STEL: 50 ppm STEL: 250 mg/m ³ TWA: 10 ppm TWA: 50 mg/m ³ K*	TWA: 10 ppm TWA: 50 mg/m ³ STEL: 50 ppm STEL: 250 mg/m ³ *
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
ACRYLIC ACID 79-10-7	STEL: 59 mg/m ³ STEL: 20 ppm TWA: 29 mg/m ³ TWA: 10 ppm	TWA: 30 mg/m ³ Ceiling: 60 mg/m ³	TWA: 2 ppm TWA: 5.9 mg/m ³ H* STEL: 20 ppm 1 minute STEL: 59 mg/m ³ 1 minute	TWA: 10 ppm TWA: 29 mg/m ³ STEL: 20 ppm STEL: 59 mg/m ³	TWA: 2 ppm TWA: 6 mg/m ³ Ceiling: 15 ppm Ceiling: 45 mg/m ³
CUMENE 98-82-8	* STEL: 50 ppm STEL: 250 mg/m ³ TWA: 10 ppm TWA: 50 mg/m ³	TWA: 100 mg/m ³ Ceiling: 250 mg/m ³ D*	TWA: 10 ppm TWA: 50 mg/m ³ H* STEL: 250 mg/m ³ STEL: 50 ppm	TWA: 10 ppm TWA: 50 mg/m ³ STEL: 50 ppm STEL: 250 mg/m ³ A*	TWA: 10 ppm TWA: 50 mg/m ³ STEL: 50 ppm STEL: 250 mg/m ³ iho*
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
ACRYLIC ACID 79-10-7	TWA: 10 ppm TWA: 29 mg/m ³ STEL: 20 ppm STEL: 59 mg/m ³	TWA: 10 ppm TWA: 30 mg/m ³	TWA: 10 ppm TWA: 30 mg/m ³ Peak: 10 ppm Peak: 30 mg/m ³	TWA: 10 ppm TWA: 29 mg/m ³ STEL: 20 ppm STEL: 59 mg/m ³	TWA: 10 ppm TWA: 29 mg/m ³ STEL: 20 ppm STEL: 59 mg/m ³
CUMENE 98-82-8	TWA: 10 ppm TWA: 50 mg/m ³ TWA: 150 mg/m ³ TWA: 1000 mg/m ³ STEL: 50 ppm	TWA: 10 ppm TWA: 50 mg/m ³ H*	TWA: 10 ppm TWA: 50 mg/m ³ Peak: 40 ppm Peak: 200 mg/m ³ *	TWA: 10 ppm TWA: 50 mg/m ³ STEL: 50 ppm STEL: 250 mg/m ³ *	TWA: 50 mg/m ³ TWA: 10 ppm STEL: 250 mg/m ³ STEL: 50 ppm b*

	STEL: 250 mg/m ³ STEL: 1500 mg/m ³ *				
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
DIMETHYLBENZYL HYDROPEROXIDE 80-15-9	-	-	-	TWA: 1 mg/m ³	O* TWA: 1 mg/m ³
ACRYLIC ACID 79-10-7	TWA: 10 ppm TWA: 29 mg/m ³ STEL: 20 ppm STEL: 59 mg/m ³	TWA: 29 ppm TWA: 10 mg/m ³ STEL: 59 ppm STEL: 20 mg/m ³ cute*	TWA: 2 ppm TWA: 6 mg/m ³ cute*	TWA: 5 mg/m ³ TWA: 1.7 ppm STEL: 59 mg/m ³ STEL: 20 ppm	TWA: 10 ppm TWA: 29 mg/m ³ Ceiling: 59 mg/m ³ Ceiling: 20 ppm
CUMENE 98-82-8	TWA: 10 ppm TWA: 50 mg/m ³ STEL: 50 ppm STEL: 250 mg/m ³ Sk*	TWA: 10 ppm TWA: 50 mg/m ³ STEL: 50 ppm STEL: 250 mg/m ³ cute*	TWA: 50 ppm TWA: 246 mg/m ³	TWA: 10 ppm TWA: 50 mg/m ³ STEL: 50 ppm STEL: 250 mg/m ³ Ada*	O* TWA: 50 mg/m ³ TWA: 10 ppm STEL: 170 mg/m ³ STEL: 35 ppm
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
ACRYLIC ACID 79-10-7	STEL: 59 mg/m ³ STEL: 20 ppm TWA: 29 mg/m ³ TWA: 10 ppm	STEL: 20 ppm STEL: 59 mg/m ³ TWA: 10 ppm TWA: 29 mg/m ³	TWA: 10 ppm TWA: 29 mg/m ³ STEL: 202 ppm STEL: 59 mg/m ³	TWA: 10 ppm TWA: 29 mg/m ³ A+ STEL: 20 ppm STEL: 59 mg/m ³	STEL: 29.5 mg/m ³ TWA: 10 mg/m ³ skóra*
CUMENE 98-82-8	Peau* STEL: 50 ppm STEL: 250 mg/m ³ TWA: 10 ppm TWA: 50 mg/m ³	skin* STEL: 50 ppm STEL: 250 mg/m ³ TWA: 10 ppm TWA: 50 mg/m ³	TWA: 10 ppm TWA: 50 mg/m ³ STEL: 50 ppm STEL: 250 mg/m ³ H*	TWA: 50 mg/m ³ TWA: 10 ppm STEL: 250 mg/m ³ STEL: 50 ppm H*	STEL: 250 mg/m ³ TWA: 50 mg/m ³ skóra*
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
ACRYLIC ACID 79-10-7	TWA: 10 ppm TWA: 29 mg/m ³ STEL: 59 mg/m ³ STEL: 20 ppm Cutânea*	TWA: 10 ppm TWA: 29 mg/m ³ STEL: 20 ppm STEL: 59 mg/m ³	TWA: 10 ppm TWA: 29 mg/m ³ Ceiling: 59 mg/m ³	TWA: 29 mg/m ³ TWA: 10 ppm STEL: 20 ppm STEL: 59 mg/m ³ K*	TWA: 10 ppm TWA: 29 mg/m ³ STEL: 20 ppm STEL: 59 mg/m ³ vía dérmica*
CUMENE 98-82-8	TWA: 10 ppm TWA: 50 mg/m ³ STEL: 50 ppm STEL: 250 mg/m ³ Cutânea*	TWA: 10 ppm TWA: 50 mg/m ³ STEL: 50 ppm STEL: 250 mg/m ³ P*	TWA: 20 ppm TWA: 500 mg/m ³ K* Ceiling: 250 mg/m ³	TWA: 10 ppm TWA: 50 mg/m ³ STEL: 50 ppm STEL: 250 mg/m ³ K*	TWA: 10 ppm TWA: 50 mg/m ³ STEL: 50 ppm STEL: 250 mg/m ³ vía dérmica*
Chemical name	Sweden		Switzerland		United Kingdom
ACRYLIC ACID 79-10-7	NGV: 10 ppm NGV: 29 mg/m ³ Bindande KGV: 20 ppm Bindande KGV: 59 mg/m ³		S+ TWA: 10 ppm TWA: 29 mg/m ³ STEL: 20 ppm STEL: 59 mg/m ³		TWA: 10 ppm TWA: 29 mg/m ³ STEL: 20 ppm STEL: 59 mg/m ³
CUMENE 98-82-8	NGV: 10 ppm NGV: 50 mg/m ³ Bindande KGV: 50 ppm Bindande KGV: 250 mg/m ³ H*		TWA: 20 ppm TWA: 100 mg/m ³ STEL: 80 ppm STEL: 400 mg/m ³ H*		TWA: 25 ppm TWA: 125 mg/m ³ STEL: 50 ppm STEL: 250 mg/m ³ Sk*

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

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	-	-

Chemical name	Denmark	Finland	of work shift 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	7 µg/g Creatinine - urine (Cumene) - no later than two hours after the end of the shift	-	-	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)	-	

8.2. Exposure controls

Derived No Effect Level (DNEL) - Workers No information available

Derived No Effect Level (DNEL) - General Public No information available.

Predicted No Effect Concentration (PNEC) No information available.

Personal protective equipment

Eye/face protection No special protective equipment required.

Skin and body protection No special protective equipment required.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid
Appearance Blue
Color No information available

Odor Mild
Odor threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point	No data available	None known
Boiling point / boiling range	> 200 °C	
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Flash point	> 131 °C	Pensky-Martens Closed Cup (PMCC)
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	No data available	None known
pH (as aqueous solution)	No data available	No information available
Kinematic viscosity	No Data Available	None known
Dynamic viscosity	2,100 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	None known
Relative density	1.06	
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	
None known		

9.2. Other information

Formula No information available

9.2.1. Information with regard to physical hazard classes
 Not applicable

9.2.2. Other safety characteristics
 No information available < 1 Butyl acetate = 1

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.

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

Product Information

Inhalation Specific test data for the substance or mixture is not available.
Eye contact Specific test data for the substance or mixture is not available.
Skin contact Specific test data for the substance or mixture is not available.
Ingestion Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Numerical measures of toxicity

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 17,908.30 mg/kg
ATEmix (dermal) 47,397.80 mg/kg
ATEmix (inhalation-gas) 99,999.00 ppm
ATEmix (inhalation-dust/mist) 22.60 mg/l
ATEmix (inhalation-vapor) 99,999.00 mg/l

6.08 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
 30.08 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
 32.4 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
 32.4 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
 32.4 % 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
MALEIC ACID	= 708 mg/kg (Rat)	= 1560 mg/kg (Rabbit)	> 720 mg/m ³ (Rat) 1 h
ACRYLIC ACID	= 193 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 3.6 mg/L (Rat) 4 h = 11.1 mg/L (Rat) 1 h
CUMENE	= 1400 mg/kg (Rat)	= 12300 µL/kg (Rabbit)	> 3577 ppm (Rat) 6 h

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

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.

Chemical name	European Union
CUMENE	Carc. 1B

Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties	No information available.
--	---------------------------

11.2.2. Other information

Other adverse effects	No information available.
------------------------------	---------------------------

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	The environmental impact of this product has not been fully investigated.
--------------------	---

Unknown aquatic toxicity	Contains 0.105 % of components with unknown hazards to the aquatic environment.
---------------------------------	---

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
DIMETHYLBENZYL HYDROPEROXIDE	-	LC50: =3.9mg/L (96h, Oncorhynchus mykiss)	-	-
MALEIC ACID	-	LC50: =5mg/L (96h, Pimephales promelas)	-	EC50: 250 - 400mg/L (48h, Daphnia magna)
ACRYLIC ACID	EC50: =0.17mg/L (96h, Pseudokirchneriella subcapitata) EC50: =0.04mg/L (72h, Desmodesmus subspicatus)	LC50: =222mg/L (96h, Brachydanio rerio)	-	EC50: =95mg/L (48h, Daphnia magna)

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 No information available.

Chemical name	Partition coefficient
DIMETHYLBENZYL HYDROPEROXIDE	1.6
MALEIC ACID	-0.34
ACRYLIC ACID	0.46
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 No information available.

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

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

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
- 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

IMDG

- 14.1 UN number or ID number Not regulated
- 14.2
- 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
- 14.7 Maritime transport in bulk according to IMO instruments

RID

- 14.1 UN/ID No Not regulated
- 14.2
- 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

ADR

- 14.1 UN number or ID number Not regulated
- 14.2
- 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

SECTION 15: Regulatory information

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

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

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

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 does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances 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.	-
MALEIC ACID - 110-16-7	75.	-
ACRYLIC ACID - 79-10-7	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	Not determined
ENCS	Complies
IECSC	Complies
KECI	Complies
PICCS	Not determined
AICS	Not determined

Legend:

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

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
H302 - Harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H312 - Harmful in contact with skin
H314 - Causes severe skin burns and eye damage
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H331 - Toxic if inhaled
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H350 - May cause cancer
H373 - May cause damage to organs through prolonged or repeated exposure
H400 - Very toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorization:

vPvB: Very Persistent and very Bioaccumulative (vPvB) Chemicals

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

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)
 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)
 Japan GHS Classification
 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

Revision Date 15-May-2024

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

Disclaimer

Illinois Tool Works Inc. believes the information contained in this data sheet is accurate as of the date compiled. However, Illinois Tool Works Inc. makes no warranty, express or implied, as to the accuracy, reliability or completeness of the information. User is responsible for evaluating whether such information or this product is fit for a particular purpose and suitable for a particular use or application. The information in this data sheet may not be valid if this product is used in combination with other products or in processes for which it was not designed. Illinois Tool Works Inc. disclaims any liability for consequential or incidental damages of any kind, including lost profits, arising from the sale or

use of this product. Ensure you have the most current version of this data sheet by contacting us or reviewing our web site.

End of Safety Data Sheet

EU SDS version information - EGHS

UL release:
 GHS Revision 7
 2023 Q1

Specific target organ toxicity (single exposure)	Category 3
--	------------

Full text of H-Statements referred to under section 3

H226 - Flammable liquid and vapor H242 - Heating may cause a fire H302 - Harmful if swallowed H304 - May be fatal if swallowed and enters airways H312 - Harmful in contact with skin H314 - Causes severe skin burns and eye damage H315 - Causes skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation H331 - Toxic if inhaled H332 - Harmful if inhaled H335 - May cause respiratory irritation H350 - May cause cancer H373 - May cause damage to organs through prolonged or repeated exposure H400 - Very toxic to aquatic life H411 - Toxic to aquatic life with long lasting effects

Chemical name	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)
DIMETHYLBENZYL HYDROPEROXIDE	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 3 (H331) Skin Corr. 1B (H314) STOT RE 2 (H373) Aquatic Chronic 2 (H411) Org. Perox. E (H242)	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%
MALEIC ACID	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335)	Skin Sens. 1 :: C≥0.1%
ACRYLIC ACID	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Corr. 1A (H314) Aquatic Acute 1 (H400) Flam. Liq. 3 (H226)	STOT SE 3 :: C≥1%
CUMENE	Carc. 1B (H350) STOT SE 3 (H335) Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411) Flam. Liq. 3 (H226)	

Chemical name	CAS No.	French RG number
CUMENE	98-82-8	RG 84

VOC content