

Safety Data Sheet according to (EC) No 1907/2006

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LOCTITE 248 THREADLOCKER STICK

SDS No. : 153639 V006.0 Revision: 01.02.2016 printing date: 08.08.2016 Replaces version from: 31.03.2015

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

1.1. Product identifier

865660 LOCTITE 248 THREADLOCKER STICK

Contains:

Cumene hydroperoxide A mixture of: N,N'-Ethane-1,2-diylbis(decanamide); 12-Hydroxy-N-[2-[1-oxydecyl)amino]ethyl]octadecanamide; N,N'-Ethane-1,2-diylbis(1

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

Intended use: Anaerobic Adhesive

1.3. Details of the supplier of the safety data sheet

Quest Consumables Ltd Stock House ,Seymour Road Nuneaton, Warwickshire CV11 4LB

Phone: +44 2476 322126 Fax-no.: +44 2476 322117

sales@questconsumables.com

1.4. Emergency telephone number

24 Hours Emergency Tel: +44 (0)1442 278497

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):	
Serious eye irritation	Category 2
H319 Causes serious eye irritation.	
Skin sensitizer	Category 1
H317 May cause an allergic skin reaction.	
Specific target organ toxicity - single exposure	Category 3
H335 May cause respiratory irritation.	
Target organ: respiratory tract irritation	
Chronic hazards to the aquatic environment	Category 3
H412 Harmful to aquatic life with long lasting effects.	

2.2. Label elements

Label elements (CLP):

Hazard pictogram:	
Signal word:	Warning
Hazard statement:	H317 May cause an allergic skin reaction.H319 Causes serious eye irritation.H335 May cause respiratory irritation.H412 Harmful to aquatic life with long lasting effects.
Precautionary statement:	***For consumer use only: P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P501 Dispose of waste and residues in accordance with local authority requirements***
Precautionary statement: Prevention	P261 Avoid breathing mist/vapours.P273 Avoid release to the environment.P280 Wear protective gloves.
Precautionary statement: Response	P337+P313 If eye irritation persists: Get medical advice/attention. P302+P352 IF ON SKIN: Wash with plenty of water. P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

2.3. Other hazards

None if used properly.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General chemical description: Methacrylate resin based threadlocker

Declaration of the ingredients according to CLP (EC) No 1272/2008:

MSDS-No.: 153639

V006.0

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
A mixture of: N,N'-Ethane-1,2- diylbis(decanamide); 12-Hydroxy-N-[2-[1- oxydecyl)amino]ethyl]octadecanamide; N,N'-Ethane-1,2-diylbis(1	430-050-2	10- 20 %	Skin Sens. 1 H317 Aquatic Chronic 2 H411
Ethane-1,2-diol 107-21-1	203-473-3 01-2119456816-28	1-< 3%	Acute Tox. 4; Oral H302 STOT RE 2; Oral H373
Cumene hydroperoxide 80-15-9	201-254-7	1-< 2,5 %	Acute Tox. 4; Dermal H312 STOT RE 2 H373 Acute Tox. 4; Oral H302 Org. Perox. E H242 Acute Tox. 3; Inhalation H331 Aquatic Chronic 2 H411 Skin Corr. 1B H314
N,N-Diethyl-p-toluidine 613-48-9	210-345-0	0,1-< 1 %	Acute Tox. 3; Oral H301 Acute Tox. 3; Dermal H311 Acute Tox. 3; Inhalation H331 STOT RE 2 H373 Aquatic Chronic 3 H412
1-Methyl-2-pyrrolidone 872-50-4	212-828-1 01-2119472430-46	< 0,3 %	Repr. 1B H360D Eye Irrit. 2 H319 STOT SE 3 H335 Skin Irrit. 2 H315 ===== EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC)
1,4-Naphthalenedione 130-15-4	204-977-6	0,01- < 0,1 %	Acute Tox. 3; Oral H301 Skin Irrit. 2; Dermal H315 Skin Sens. 1; Dermal H317 Eye Irrit. 2 H319 Acute Tox. 1; Inhalation H330 STOT SE 3; Inhalation H335 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 M factor: 10

For full text of the H - statements and other abbreviations see section 16 "Other information". Substances without classification may have community workplace exposure limits available.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

Move to fresh air. If symptoms persist, seek medical advice.

Skin contact: Rinse with running water and soap. Obtain medical attention if irritation persists.

Eye contact: Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion: Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed EYE: Irritation, conjunctivitis.

RESPIRATORY: Irritation, coughing, shortness of breath, chest tightness.

SKIN: Rash, Urticaria.

4.3. Indication of any immediate medical attention and special treatment needed See section: Description of first aid measures

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Carbon dioxide, foam, powder

Extinguishing media which must not be used for safety reasons: None known

5.2. Special hazards arising from the substance or mixture Trace amounts of toxic and/or irritating fumes may be released and the use of breathing apparatus is recommended.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Additional information:

In case of fire, keep containers cool with water spray.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures Avoid skin and eye contact.

6.2. Environmental precautions

Waste disposal with the approval of the responsible local authority. Do not let product enter drains.

6.3. Methods and material for containment and cleaning up

For small spills wipe up with paper towel and place in container for disposal. For large spills absorb onto inert absorbent material and place in sealed container for disposal.

6.4. Reference to other sections

See advice in section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use only in well-ventilated areas. Avoid skin and eye contact. Prolonged or repeated skin contact should be avoided to minimise any risk of sensitisation. See advice in section 8

Hygiene measures:

Good industrial hygiene practices should be observed. Do not eat, drink or smoke while working. Wash hands before work breaks and after finishing work.

7.2. Conditions for safe storage, including any incompatibilities

Store in original containers at 8-21°C (46.4-69.8°F) and do not return residual materials to containers as contamination may reduce the shelf life of the bulk product.

7.3. Specific end use(s)

Anaerobic Adhesive

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits

Valid for

Great Britain

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Silicon dioxide		6	Time Weighted Average		EH40 WEL
112945-52-5 [SILICA, AMORPHOUS, INHALABLE			(TWA):		
DUST]					
Silicon dioxide	1	2,4	Time Weighted Average		EH40 WEL
112945-52-5			(TWA):		
[SILICA, AMORPHOUS, RESPIRABLE DUST]					
Ethane-1,2-diol	40	104	Short Term Exposure		EH40 WEL
107-21-1			Limit (STEL):		
[ETHANE-1,2-DIOL, VAPOUR]					
Ethane-1,2-diol 107-21-1			Skin designation:	Can be absorbed through the skin.	EH40 WEL
[ETHANE-1,2-DIOL, PARTICULATE]				SKIII.	
Ethane-1,2-diol	1		Skin designation:	Can be absorbed through the	EH40 WEL
107-21-1				skin.	
[ETHANE-1,2-DIOL, VAPOUR] Ethane-1,2-diol		10	Time Weighted Average		EH40 WEL
107-21-1		10	(TWA):		LIHO WEL
[ETHANE-1,2-DIOL, PARTICULATE]					
Ethane-1,2-diol	20	52	Time Weighted Average		EH40 WEL
107-21-1 [ETHANE-1,2-DIOL, VAPOUR]			(TWA):		
Ethane-1,2-diol	20	52	Time Weighted Average	Indicative	ECTLV
107-21-1		-	(TWA):		
[ETHYLENE GLYCOL]					
Ethane-1,2-diol 107-21-1	40	104	Short Term Exposure Limit (STEL):	Indicative	ECTLV
[ETHYLENE GLYCOL]			Linin (STEL).		
Ethene, homopolymer		10	Time Weighted Average		EH40 WEL
9002-88-4			(TWA):		
[DUST, INHALABLE DUST] Ethene, homopolymer		4	Time Weighted Average		
9002-88-4		4	(TWA):		EH40 WEL
[DUST, RESPIRABLE DUST]			(1)		
1-Methyl-2-pyrrolidone	20	80	Short Term Exposure		EH40 WEL
872-50-4			Limit (STEL):		
[N-METHYL-2-PYRROLIDONE] 1-Methyl-2-pyrrolidone	10	40	Time Weighted Average		EH40 WEL
872-50-4	10	40	(TWA):		LIHO WEE
[N-METHYL-2-PYRROLIDONE]					
1-Methyl-2-pyrrolidone 872-50-4			Skin designation:	Can be absorbed through the	EH40 WEL
[N-METHYL-2-PYRROLIDONE]				skin.	
1-Methyl-2-pyrrolidone	10	40	Time Weighted Average	Indicative	ECTLV
872-50-4			(TWA):		
[N-METHYL-2-PYRROLIDONE]	20			T 1' 4'	FOTIN
1-Methyl-2-pyrrolidone 872-50-4	20	80	Short Term Exposure Limit (STEL):	Indicative	ECTLV
[N-METHYL-2-PYRROLIDONE]					
1-Methyl-2-pyrrolidone			Skin designation:	Can be absorbed through the	ECTLV
872-50-4 [N-METHYL-2-PYRROLIDONE]				skin.	
[N-METHYL-2-PYRKOLIDONE] Cumene	50	250	Short Term Exposure		EH40 WEL
98-82-8	50	250	Limit (STEL):		
[CUMENE]					
Cumene			Skin designation:	Can be absorbed through the	EH40 WEL
98-82-8 [CUMENE]				skin.	
Cumene	25	125	Time Weighted Average		EH40 WEL
98-82-8			(TWA):		
[CUMENE]			I	1	

Cumene 98-82-8 [CUMENE]	50	250	Short Term Exposure Limit (STEL):	Indicative	ECTLV
Cumene 98-82-8 [CUMENE]	20	100	Time Weighted Average (TWA):	Indicative	ECTLV

Occupational Exposure Limits

Valid for

Ireland

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Silicon dioxide		6	Time Weighted Average		IR_OEL
112945-52-5			(TWA):		
[SILICA, AMORPHOUS, TOTAL INHALABLE DUST]					
Silicon dioxide	-	2,4	Time Weighted Average		IR_OEL
112945-52-5			(TWA):		_
[SILICA, AMORPHOUS, RESPIRABLE					
DUST]					
Ethane-1,2-diol 107-21-1	40	104	Short Term Exposure Limit (STEL):	Indicative OELV	IR_OEL
[ETHANE-1,2-DIOL, VAPOUR]			LIIIII (SIEL):		
Ethane-1,2-diol	20	52	Time Weighted Average	Indicative OELV	IR_OEL
107-21-1			(TWA):		_
[ETHANE-1,2-DIOL, VAPOUR]					
Ethane-1,2-diol		10	Time Weighted Average	Indicative OELV	IR_OEL
107-21-1 [ETHANE-1,2-DIOL, PARTICULATE]			(TWA):		
Ethane-1,2-diol	1		Skin designation:	Can be absorbed through the	IR_OEL
107-21-1				skin.	
[ETHANE-1,2-DIOL, PARTICULATE]					
Ethane-1,2-diol			Skin designation:	Can be absorbed through the	IR_OEL
107-21-1 [ETHANE-1,2-DIOL, VAPOUR]				skin.	
Ethane-1,2-diol	20	52	Time Weighted Average	Indicative	ECTLV
107-21-1			(TWA):		
[ETHYLENE GLYCOL]					
Ethane-1,2-diol	40	104	Short Term Exposure	Indicative	ECTLV
107-21-1			Limit (STEL):		
[ETHYLENE GLYCOL] Ethene, homopolymer		4	Time Weighted Average		IR_OEL
9002-88-4		4	(TWA):		IK_OEL
[DUSTS, NON-SPECIFIC, RESPIRABLE]			(
Ethene, homopolymer		10	Time Weighted Average		IR_OEL
9002-88-4			(TWA):		
[DUSTS, NON-SPECIFIC, TOTAL INHALABLE]					
1-Methyl-2-pyrrolidone	10	40	Time Weighted Average	Indicative OELV	IR_OEL
872-50-4	10		(TWA):		III_022
[1-METHYL-2-PYRROLIDONE]					
1-Methyl-2-pyrrolidone			Skin designation:	Can be absorbed through the	IR_OEL
872-50-4 [1-METHYL-2-PYRROLIDONE]				skin.	
1-Methyl-2-pyrrolidone	20	80	Short Term Exposure	Indicative OELV	IR_OEL
872-50-4	20	00	Limit (STEL):		III_022
[1-METHYL-2-PYRROLIDONE]					
1-Methyl-2-pyrrolidone	10	40	Time Weighted Average	Indicative	ECTLV
872-50-4 [N-METHYL-2-PYRROLIDONE]			(TWA):		
1-Methyl-2-pyrrolidone	20	80	Short Term Exposure	Indicative	ECTLV
872-50-4	-		Limit (STEL):		
[N-METHYL-2-PYRROLIDONE]					
1-Methyl-2-pyrrolidone			Skin designation:	Can be absorbed through the	ECTLV
872-50-4 [N-METHYL-2-PYRROLIDONE]				skin.	
Cumene	20	100	Time Weighted Average	Indicative OELV	IR_OEL
98-82-8		100	(TWA):		
[ISOPROPYL BENZENE]					
Cumene	50	250	Short Term Exposure	Indicative OELV	IR_OEL
98-82-8			Limit (STEL):		
[ISOPROPYL BENZENE] Cumene	1		Skin designation:	Can be absorbed through the	IR_OEL
Cumene	I	I	Skin designation.	Can be absorbed through the	III_ODD

98-82-8 [ISOPROPYL BENZENE]				skin.	
Cumene 98-82-8 [CUMENE]	50		Short Term Exposure Limit (STEL):	Indicative	ECTLV
Cumene 98-82-8 [CUMENE]	20	100	Time Weighted Average (TWA):	Indicative	ECTLV

Biological Exposure Indices:

None

8.2. Exposure controls:

Engineering controls: Ensure good ventilation/extraction.

Respiratory protection: Ensure adequate ventilation. An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area Filter type: A (EN 14387)

Hand protection:

Chemical-resistant protective gloves (EN 374).

Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):

nitrile rubber (NBR; ≥ 0.4 mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):

nitrile rubber (NBR; >= 0.4 mm thickness)

This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:

Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing. Protective eye equipment should conform to EN166.

Skin protection:

Wear suitable protective clothing. Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties Appearance solid

Odor Odour threshold blue characteristic No data available / Not applicable

pH Initial boiling point Flash point Decomposition temperature Not applicable > 150,0 °C (> 302 °F) > 100 °C (> 212 °F) No data available / Not applicable

Vapour pressure (25,0 °C (77 °F))	< 6,66 mbar
Density	1,1000 g/cm3
0	, C
Bulk density	No data available / Not applicable
Viscosity	No data available / Not applicable
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative)	Slight
(Solvent: Water)	
Solubility (qualitative)	Not determined
(Solvent: Acetone)	
Solidification temperature	No data available / Not applicable
Melting point	No data available / Not applicable
Flammability	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Explosive limits	No data available / Not applicable
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	No data available / Not applicable
Oxidising properties	No data available / Not applicable

9.2. Other information

No data available / Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

Strong oxidizing agents. Free radical initiators.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

No decomposition if used according to specifications.

10.5. Incompatible materials See section reactivity

10.6. Hazardous decomposition products

Oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

General toxicological information:

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation (EC) No 1272/2008. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Oral toxicity:

May cause irritation to the digestive tract.

Skin irritation: Prolonged or repeated contact may cause skin irritation.

Eye irritation: Causes serious eye irritation.

Sensitizing:

May cause an allergic skin reaction.

Acute oral toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Ethane-1,2-diol	Acute	500 mg/kg	oral			Expert judgement
107-21-1	toxicity					
	estimate					
	(ATE)					
Ethane-1,2-diol	LD50	> 2.000 mg/kg			rat	EU Method B.1 (Acute
107-21-1						Toxicity (Oral))
Cumene hydroperoxide	LD50	550 mg/kg	oral		rat	-
80-15-9						
1-Methyl-2-pyrrolidone	LD50	4.150 mg/kg	oral		rat	OECD Guideline 401 (Acute
872-50-4						Oral Toxicity)

Acute inhalative toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
1-Methyl-2-pyrrolidone	LC50	> 5,1 mg/l	aerosol	4 h	rat	OECD Guideline 403 (Acute
872-50-4						Inhalation Toxicity)

Acute dermal toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
1-Methyl-2-pyrrolidone 872-50-4	LD50	> 5.000 mg/kg	dermal		rat	OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Cumene hydroperoxide 80-15-9	corrosive		rabbit	Draize Test
1-Methyl-2-pyrrolidone 872-50-4	irritating	24 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
1-Methyl-2-pyrrolidone 872-50-4	moderately irritating		human	

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
1-Methyl-2-pyrrolidone 872-50-4	irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Ethane-1,2-diol 107-21-1	not sensitising	Guinea pig maximisat ion test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
1-Methyl-2-pyrrolidone 872-50-4	not sensitising	Mouse local lymphnod e assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

Hazardous components	Result	Type of study /	Metabolic	Species	Method
CAS-No.		Route of administration	activation / Exposure time		
Ethane-1,2-diol 107-21-1	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		
Cumene hydroperoxide 80-15-9	positive	bacterial reverse mutation assay (e.g Ames test)	without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Cumene hydroperoxide 80-15-9	negative	dermal		mouse	
1-Methyl-2-pyrrolidone 1 872-50-4	negative	DNA damage and repair assay, unscheduled DNA synthesis in mammalian cells in vitro	without		OECD Guideline 482 (Genetic Toxicology: DNA Damage and Repair, Unscheduled DNA Synthesis in Mammalian Cells In Vitro)
	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
1-Methyl-2-pyrrolidone 872-50-4	negative	oral: gavage		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
	negative	oral: gavage		hamster, Chinese	OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)

Repeated dose toxicity

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Cumene hydroperoxide 80-15-9		inhalation: aerosol	6 h/d5 d/w	rat	
1-Methyl-2-pyrrolidone 872-50-4	NOAEL=0,5 mg/l	inhalation	90 days6 hrs/day, 5 days/wk	rat	OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)

SECTION 12: Ecological information

General ecological information:

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation (EC) No 1272/2008. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following. In the cured state contribution of this product to Environmental Hazards is insignificant in comparison to articles in which it is

12.1. Toxicity

used.

Ecotoxicity:

Do not empty into drains / surface water / ground water. Harmful to aquatic life with long lasting effects.

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Ethane-1,2-diol 107-21-1	NOEC	15.380 mg/l	Fish	28 d	Oryzias latipes	OECD Guideline 204 (Fish, Prolonged Toxicity
	LC50	72.860 mg/l	Fish	96 h	Pimephales promelas	Test: 14-day Study) OECD Guideline 203 (Fish, Acute Toxicity Test)
Ethane-1,2-diol 107-21-1	EC50	34.400 mg/l	Daphnia	48 h	Ceriodaphnia sp.	OECD Guideline 202 (Daphnia sp. Acute
Ethane-1,2-diol 107-21-1	EC50	> 20.000 mg/l	Algae		Microcystis aeruginosa	Immobilisation Test) OECD Guideline 201 (Alga, Growth Inhibition Test)
Ethane-1,2-diol 107-21-1	EC0	> 10.000 mg/l	Bacteria	16 h		
Ethane-1,2-diol 107-21-1	NOEC	8.590 mg/l	chronic Daphnia	7 d	Ceriodaphnia sp.	OECD 211 (Daphnia magna,
Cumene hydroperoxide 80-15-9	LC50	3,9 mg/l	Fish	96 h	Oncorhynchus mykiss	Reproduction Test) OECD Guideline 203 (Fish, Acute
Cumene hydroperoxide 80-15-9	EC50	18 mg/l	Daphnia	48 h	Daphnia magna	Toxicity Test) OECD Guideline 202 (Daphnia sp. Acute
Cumene hydroperoxide 80-15-9 Cumene hydroperoxide	ErC50 EC10	3,1 mg/l 70 mg/l	Algae Bacteria	72 h 30 min	Pseudokirchnerella subcapitata	Immobilisation Test) OECD Guideline 201 (Alga, Growth Inhibition Test)
80-15-9		-				
1-Methyl-2-pyrrolidone 872-50-4	LC50	4.000 mg/l	Fish	96 h	Leuciscus idus	DIN 38412-15
1-Methyl-2-pyrrolidone 872-50-4	EC50	4.897 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation
1-Methyl-2-pyrrolidone 872-50-4	EC50	> 500 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	Test) DIN 38412-09
1,4-Naphthalenedione 130-15-4	EC50	0,011 mg/l	Algae	72 h	Dunaliella bioculata	OECD Guideline 201 (Alga, Growth Inhibition Test)

12.2. Persistence and degradability

Persistence and Biodegradability: The product is not biodegradable.

Hazardous components	Result	Route of	Degradability	Method
CAS-No.		application		

LOCTTIE 248 STIK 19G WIP EN/FR

Ethane-1,2-diol 107-21-1	readily biodegradable	aerobic	83 - 96 %	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))
Cumene hydroperoxide 80-15-9		no data	0 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
1-Methyl-2-pyrrolidone 872-50-4	inherently biodegradable	aerobic	> 90 %	OECD Guideline 302 B (Inherent biodegradability: Zahn- Wellens/EMPA Test)
	readily biodegradable	aerobic	92 %	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))
1,4-Naphthalenedione 130-15-4		no data	0 - 60 %	OECD 301 A - F

12.3. Bioaccumulative potential / 12.4. Mobility in soil

Mobility:

Cured adhesives are immobile.

Bioaccumulative potential:

No data available.

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Ethane-1,2-diol 107-21-1	-1,36					
Cumene hydroperoxide 80-15-9		9,1		calculation		OECD Guideline 305 (Bioconcentration: Flow- through Fish Test)
Cumene hydroperoxide 80-15-9	2,16					
1-Methyl-2-pyrrolidone 872-50-4	-0,11					
1,4-Naphthalenedione 130-15-4	1,71					

12.5. Results of PBT and vPvB assessment

Hazardous components	PBT/vPvB
CAS-No.	
Ethane-1,2-diol	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very
107-21-1	Bioaccumulative (vPvB) criteria.
1-Methyl-2-pyrrolidone	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very
872-50-4	Bioaccumulative (vPvB) criteria.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:

Dispose of in accordance with local and national regulations. Contribution of this product to waste is very insignificant in comparison to article in which it is used

Disposal of uncleaned packages:

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

Disposal must be made according to official regulations.

Waste code

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances

SECTION 14: Transport information 14.1. UN number Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR. 14.2. UN proper shipping name Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR. 14.3. Transport hazard class(es) Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR. 14.4. Packing group Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR. 14.5. **Environmental hazards** Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR. 14.6. Special precautions for user Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR. 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture VOC content <3 %

(2010/75/EC)

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows: H242 Heating may cause a fire. H301 Toxic if swallowed. H302 Harmful if swallowed. H311 Toxic in contact with skin. 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. H330 Fatal if inhaled. H331 Toxic if inhaled. H335 May cause respiratory irritation. H360D May damage the unborn child. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

Label elements (DPD):

Xi - Irritant



Risk phrases:

R36/37 Irritating to eyes and respiratory system.

Safety phrases:

S25 Avoid contact with eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S51 Use only in well-ventilated areas.

Additional labeling: For consumer use only: S2 Keep out of the reach of children. S46 If swallowed, seek medical advice immediately and show this container or label.

Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.