

Safety Data Sheet

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SDS No.: 153640

V001.5

Date of issue: 07.05.2020

LOCTITE 561 PIPE SEALANT STICK known as LOCTITE® 561 THREAD SEALANT

Section 1. Identification of the substance/preparation and of the company/undertaking

Product name: LOCTITE 561 PIPE SEALANT STICK known as LOCTITE® 561 THREAD

SEALANT

Intended use: Anaerobic Sealant

Henkel Australia Pty Ltd 135-141 Canterbury Road Kilsyth, Victoria, 3137 Australia

+61 (3) 9724 6444 Phone:

Emergency information: 24 HOUR EMERGENCY CONTACT NUMBER: 1800 032 379

Section 2. Hazards identification

Classification of the substance or mixture

Hazardous according to the criteria of Safe Work Australia.

GHS Classification:

Hazard Class Hazard Category

Skin sensitizer Category 1 Acute hazards to the aquatic Category 3

environment

Serious eye damage/eye irritation Category 2 Chronic hazards to the aquatic Category 3

environment

Hazard pictogram:

Warning

Signal word:

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Hazard statement(s): H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statement(s):

Prevention: P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/eye protection.

Response: P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. 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.

P363 Wash contaminated clothing before reuse.

Dangerous Goods information:

Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

Section 3. Composition / information on ingredients

General chemical description: Mixture

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
Ethane-1,2-diol	107-21-1	< 5 %
Silica, amorphous, fumed, crystal-free	112945-52-5	<= 5 %
Titanium dioxide	13463-67-7	<= 5 %
α, α-dimethylbenzyl hydroperoxide	80-15-9	< 1 %
non hazardous ingredients~		80- 100%

Section 4. First aid measures

Ingestion: Do not induce vomiting.

Have victim rinse mouth thoroughly with water.

Seek medical advice.

Skin: Rinse with running water and soap.

In case of adverse health effects seek medical advice.

Eyes: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Seek medical advice.

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

First Aid facilities: Eye wash

Normal washroom facilities

Medical attention and special

treatment:

Treat symptomatically.

Section 5. Fire fighting measures

Suitable extinguishing media: Carbon dioxide, foam, powder

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Decomposition products in case of Thermal decomposition can lead to release of irritating gases and vapors.

fire:

Carbon monoxide. Carbon dioxide. Oxides of nitrogen.

Special protective equipment for

fire-fighters:

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).

Wear full protective clothing.

Section 6. Accidental release measures

Personal precautions: Avoid skin and eye contact.

Use personal protective equipment as described in Section 8.

Environmental precautions: Do not let product enter drains.

Clean-up methods: 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.

Section 7. Handling and storage

Precautions for safe handling: Use only in well-ventilated areas.

Avoid skin and eye contact.

Wear suitable protective clothing, safety glasses and gloves.

Store in original containers at 8-21°C (46.4-69.8°F) and do not return residual materials to Conditions for safe storage:

containers as contamination may reduce the shelf life of the bulk product.

Section 8. Exposure controls / personal protection

National exposure standards:

Ingredient [Regulated substance]	form of exposure	TWA (ppm)	TWA (mg/m3)	Peak Limit. (ppm)	Peak Limit. (mg/m3)	STEL (ppm)	STEL (mg/m3)
ETHYLENE GLYCOL (VAPOUR) 107-21-1		20	52				
ET HYLENE GLYCOL (VAPOUR) 107-21-1						40	104
ETHYLENE GLYCOL (PARTICULATE) 107-21-1			10				
CUMENE 98-82-8						75	375
CUMENE 98-82-8		25	125				
SILICA, AMORPHOUS: FUMED SILICA (RESPIRABLE DUST) 112945-52-5	Respirable dust.		2				

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FUMED SILICA (RESPIRABLE DUST) 112945-52-5	Respirable dust.		2			
ET HYLENE GLYCOL (VAPOUR) 107-21-1		20	52			
ETHYLENE GLYCOL (VAPOUR) 107-21-1					40	104
ETHYLENE GLYCOL (PARTICULATE) 107-21-1			10			
TIT ANIUM DIOXIDE 13463-67-7	Inhalable dust.		10			

Engineering controls: Use local exhaust ventilation if the potential for airborne exposure exists.

Eye protection: Wear protective glasses.

Skin protection: Wear suitable protective clothing.

Nitrile rubber gloves should be worn.

Respiratory protection: If inhalation risk exists, wear a respirator or air supplied mask complying with the

requirements of AS/NZS 1715 and AS/NZS 1716.

Section 9. Physical and chemical properties

Appearance: Off white waxy

Odor: mild Specific gravity: 1.1394

Boiling point: > 150 °C (> 302 °F) **Flash point:** Not applicable **Vapor pressure:** < 13 mbar

 $(; 25 \ ^{\circ}\text{C} \ (77 \ ^{\circ}\text{F}))$

Density: 1.14 g/cm3 **VOC content:** < 3 %

(2010/75/EC)

Section 10. Stability and reactivity

Stability: Stable under recommended storage conditions.

Conditions to avoid: Avoid excessive heat and ignition sources.

Incompatible materials: Reaction with strong acids.

Reacts with strong oxidants.

Hazardous decomposition

products:

Thermal decomposition can lead to release of irritating gases and vapors.

Carbon monoxide. Carbon dioxide. Oxides of nitrogen.

Section 11. Toxicological information

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Health Effects:

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Skin: May cause transient skin irritation.

Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Eyes: Causes serious eye irritation.

Symptoms may include severe irritation, pain, tearing, blurred vision.

Inhalation: Vapors may cause headaches, nausea, dizziness and respiratory tract irritation.

Acute toxicity:

Hazardous components	Value	Value	Route of	Exposure	Species	Method
CAS-No.	type		application	time		
Ethane-1,2-diol	Acute	500 mg/kg	oral			Expert judgement
107-21-1	toxicity	7,712 mg/kg	oral		rat	not specified
	estimate	10,600 mg/kg			rabbit	not specified
	(ATE)		dermal			
	LD50					
	LD50					
Silica, amorphous, fumed,	LD50	> 5,000 mg/kg	oral		rat	OECD Guideline 401 (Acute
crystal-free	LC50	> 58.8 mg/l	inhalation	4 h	rat	Oral Toxicity)
112945-52-5	LD50	$> 2,000 \mathrm{mg/kg}$	dermal		rabbit	OECD Guideline 403 (Acute
						Inhalation Toxicity)
						OECD Guideline 402 (Acute
						Dermal Toxicity)
Titanium dioxide	LD50	> 5,000 mg/kg	oral		rat	OECD Guideline 425 (Acute
13463-67-7	LC50	> 6.82 mg/l	inhalation	4 h	rat	Oral Toxicity: Up-and-Down
	LD50	>= 10,000	dermal		hamster	Procedure)
		mg/kg				not specified
						not specified
α, α-dimethylbenzyl	LD50	382 mg/kg	oral		rat	other guideline:
hydroperoxide	LD50	530 - 1,060			rat	other guideline:
80-15-9	Acute	mg/kg	dermal			Expert judgement
	toxicity	1,100 mg/kg	dermal			
	estimate					
	(ATE)					

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Ethane-1,2-diol 107-21-1	not irritating	20 h	rabbit	BASF Test
Silica, amorphous, fumed, crystal-free 112945-52-5	not irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Titanium dioxide 13463-67-7	not irritating	4 h	rabbit	equivalent or similar to OECD Guideline 404 (Acute Dermal Irritation/Corrosion)
α, α-dimethylbenzyl hydroperoxide 80-15-9	corrosive		rabbit	Draize Test

Serious eye damage/irritation:

Hazardous components	Result	Exposure	Species	Method
CAS-No.		time		
Ethane-1,2-diol	not irritating		rabbit	BASF Test
107-21-1				
Silica, amorphous, fumed,	not irritating		rabbit	OECD Guideline 405 (Acute
crystal-free				Eye Irritation / Corrosion)
112945-52-5				
Titanium dioxide	not irritating		rabbit	OECD Guideline 405 (Acute
13463-67-7				Eye Irritation / Corrosion)

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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)
Titanium dioxide 13463-67-7	not sensitising	Mouse local lymphnod e assay (LLNA)	mouse	equivalent or similar to OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study/ Route of administration	Metabolic activation / Exposure time	Species	Method
Ethane-1,2-diol 107-21-1	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Ethane-1,2-diol 107-21-1	negative	oral: feed		rat	Chromosome Aberration Test
Silica, amorphous, fumed, crystal-free 112945-52-5	negative negative negative	bacterial reverse mutation assay (e.g Ames test) mammalian cell gene mutation assay in vitro mammalian chromosome aberration test	with and without with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Titanium dioxide 13463-67-7	negative negative negative	bacterial reverse mutation assay (e.g Ames test) in vitro mammalian chromosome aberration test mammalian cell gene mutation assay	with and without with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Titanium dioxide 13463-67-7	negative	oral: gavage		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
α, α-dimet hylbenzyl hydroperoxide 80-15-9	positive	bacterial reverse mutation assay (e.g Ames test)	without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
α, α-dimethylbenzyl hydroperoxide 80-15-9	negative	dermal		mouse	not specified

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Repeated dose toxicity:

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Ethane-1,2-diol 107-21-1	NOAEL=150 mg/kg	oral: feed	16 wdaily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Silica, amorphous, fumed, crystal-free 112945-52-5	NOAEL=< 0.046 mg/l	inhalation	14 days6 hours/day, 5 days/week	rat	not specified
Silica, amorphous, fumed, crystal-free 112945-52-5	NOAEL=> 4,500 mg/kg	oral: feed	13 weeksdaily, continous	rat	
Titanium dioxide 13463-67-7	NOAEL=1,000 mg/kg	oral: gavage	90 ddaily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
α, α-dimethylbenzyl hydroperoxide 80-15-9		inhalation: aerosol	6 h/d5 d/w	rat	not specified

Section 12. Ecological information

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General ecological information:

Do not empty into drains \slash surface water \slash ground water.

Toxicity:

Ethane-1,2-diol	Hazardous components	Value	Value	Acute	Exposure	Species	Method
Ethane-1,2-diol			, 4144			S PC CICS	11201104
Ethane-12-diol 107-21-1	C/15-110.	type		•	time		
Ethane-1.2-diol 107-21-1 Ethane-1.2-diol EC20 > 1,995 mg/l Bacteria 30 min activated sludge, domestic 101 (Alga, Growth Inhibition Test) 107-21-1 Ethane-1.2-diol EC20 > 1,995 mg/l Bacteria 30 min activated sludge, domestic 101 (Alga, Growth Inhibition Test) 102-21-1 Ethane-1.2-diol EC20 > 10,000 mg/l Fish 96 h Brachydanio rerio (new name: Domestic 112945-52-5 EL50 > 10,000 mg/l Daphnia 24 h Daphnia magna 00 (ECD Guideline 202 (Gaphniasp-Activated Sludge) 00 (ECD Guideline 202 (Gaphniasp-Ac	Ethane-1.2-diol	LC50	72.860 mg/l		96 h	Pimephales promelas	EPA-660 (Methods
Ethane-1,2-diol 107-21-1 EC50 > 100 mg/l Daphnia 48 h Daphnia magna OECD Guideline 202 (Daphniasp. Acute Immobilisation Test) Tests with Fish, Macroinverterbrates and Amphibians) other guideline: 107-21-1 EC50 > 100 mg/l Daphnia 48 h Daphnia magna OECD Guideline 202 (Daphniasp. Acute Immobilisation Test) OECD Guideline 201 (Alga, Growth Inhibition Test) OECD Guideline 202 (Daphniasp. Acute 203 (Fish, Acute			,			F	
Ethane-1.2-diol 107-21-1 EC50 210.0 mg/l Daphnia 48 h Daphnia magna OECD Guideline 202 (Daphniasp. Acute Immobilisation Test) Daphnia Algae Pseudokirchneriella subcapitata OECD Guideline 201 (Alga, Growth Inhibition Test) Daphnia Algae Pseudokirchneriella subcapitata OECD Guideline 201 (Alga, Growth Inhibition Test) Daphnia Coech Guideline 201 (Alga, Growth Inhibition Test) Daphnia Daphnia Daphnia Daphnia Daphnia Daphnia Daphnia Daphnia Decomposition Daphnia Decomposition Daphnia Daph							
Ethane-1,2-diol 107-21-1 ECO > 10.000 mg/l Algae 72 h Pseudokirchneriella subcapitata OECD Guideline 201 (Alga, Growth Inhibition Test) Ethane-1,2-diol 107-21-1 ECO > 10.000 mg/l Bacteria 30 min activated sludge, domestic 107-21-1 ECO > 10.000 mg/l Fish 96 h Brachydanio rerio (new name: Danio rerio) OECD Guideline 201 (Alga, Growth Inhibition Test) OECD Guideline 202 (Daphnia para							Macroinvertebrates
Ethane-1, 2-diol 107-21-1 ECS0 > 100 mg/l Daphnia 48 h Daphnia magna OECD Gaideline 202 (Daphnias). Acute Immobilisation Test) OECD Gaideline 202 (Daphnias). Acute Immobilisation Test) OECD Gaideline 201 (Alga, Growth Inhibition Test) OECD Gaideline 202 (Daphnias). Acute Inhibition Inhibition Test) OECD Gaideline 202 (Daphnias). Acute Inhibition In							and Amphibians)
Ethane-1.2-diol	Ethane-1,2-diol	NOEC	15,380 mg/l	Fish	7 d	Pimephales promelas	other guideline:
Ethane-1.2-diol	L .		1				
Ethane-1,2-diol 107-21-1 1	*	EC50	> 100 mg/l	Daphnia	48 h	Daphnia magna	
Ethane-1,2-diol 107-21-1	107-21-1						
Ethane-1,2-diol 107-21-1 10							
Ethane-1,2-diol							
Ethane-1,2-diol	Ethana 1.2 diol	EC50	> 6.500 12.000 mg/l	Algon	06 h	Dsaudokirah parialla subsanitata	
Ethane-1,2-diol 107-21-1 107-21-1 Ethane-1,2-diol 107-21-1 Ethane-1,2-diol 107-21-1 Ethane-1,2-diol 107-21-1 Ecco >1,995 mg/l Bacteria 30 min activated sludge, domestic 107-21-1 Silica, amorphous, fumed, crystal-free 112945-52-5 Silica, amorphous, f		ECSO	> 0,300 - 13,000 mg/1	Aigae	90 11	F seudokii ciiilenena suocapitata	
Ethane-1,2-diol 107-21-1	107 21 1						
Ethane-1,2-diol 107-21-1	Ethane-1.2-diol	NOEC	> 100 mg/l	Algae	72.h	Pseudokirchneriella subcapitata	
Ethane-1,2-diol 107-21-1 Ethane-1,2-diol 107-21-1 Ethane-1,2-diol 107-21-1 Becco Silica, amorphous, fumed, crystal-free 112945-52-5 Silica, amorphous, fumed, crystal-free Sultanerical Suldge, domestic Daphnia magna OECD Guideline 203 (frish, Acute Inhibition Test) Desmodesmus subspicatus Desmod		1,020	7 100 mg1	Tigue	, 2 11	l seadonn ennonena succup nana	
Silica, amorphous, fumed, crystal-free 112945-52-5 Silica, amorphous, fumed, crystal-free 201 (Alga, Growth Inhibition Test) Silica, amorphous, fumed, crystal-free 201 (Alga, Growth Inhibition Test) Silica, amorphous, fumed, crystal-free 30 min Pseudomonas putida DiN 38412, part 27 (Bacterial oxygen 201 (Alga, Growth Inhibition Test) and phydroperoxide 80-15-9 α, α-dimethylbenzyl μγdroperoxide 80-15-9 α, α-dimethylbenzyl μγdrop							
Silica, amorphous, fumed, crystal-free	Ethane-1,2-diol	EC20	> 1,995 mg/l	Bacteria	30 min	activated sludge, domestic	ISO 8192 (Test for
Silica, amorphous, fumed, crystal-free	107-21-1					_	Inhibition of
Silica, amorphous, fumed, crystal-free							
Silica, amorphous, fumed, crystal-free 112945-52-5 Silica, amorphous, fumed, crystal-free NOELR 10,000 mg/l Algae 72 h Desmodesmus subspicatus OECD Guideline 202 (Daphniasp. Acute Immobilisation Test) OECD Guideline 201 (Alga, Growth Inhibition Test) OECD Guideline 202 (Daphniasp. Acute Toxicity Test) OECD Guideline 203 (Fish, Acute Toxicity Test) OECD Guideline 203 (Fish, Acute Toxicity Test) OECD Guideline 202 (Daphniasp. Acute Immobilisation Test) OECD Guideline 202 (Daphniasp. Acute Immobilisati							
Crystal-free 112945-52-5 Silica, amorphous, fumed, crystal-free 201 (Alga, Growth Inhibition Test) OECD Guideline 201 (Alga, Crowth Inhibition Test) OECD Guideline 202 (Daphnias) OECD Guideline 203 (Fish, Acute Immobilisation Test) OECD Guideline 204 (Fish, Acute Immobilisation Test) OECD Guideline 205 (Caphnias) OECD Guideline 206 (Caphnias) OECD Guideline 207 (Caphnias) OECD G	ļ.,,		10000 #				
Silica, amorphous, fumed, crystal-free 112945-52-5 A, \alpha-dimethylbenzyl hydroperoxide 80-15-9 a, \alpha-dimethylbenzyl EC10 70 mg/l Bacteria 30 min Pseudokirchneriella subcapitata 201 (Alga, Growth Inhibition Test) not specified		LC50	> 10,000 mg/l	Fish	96 h	`	
Silica, amorphous, fumed, crystal-free 112945-52-5 NOELR 10,000 mg/l Algae 72 h Desmodesmus subspicatus OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) OECD Guideline CoED Guidel						Danio rerio)	
Crystal-free 112945-52-5 Silica, amorphous, fumed, crystal-free ECO 10,000 mg/l Bacteria 30 min Pseudomonas putida DIN 38412, part 27 (Bacterial oxygen consumption test) CECD Guideline 203 (Fish, Acute Toxicity Test) OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) OECD Guideline 203 (Fish, Acute Toxicity Test) OECD Guideline 203 (Fish, Acute Immobilisation Test) OECD Guideline 203		EI 50	\ \ 1.000 mg/l	Danhnia	24 h	Danhnia magna	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		ELSO	> 1,000 mg/1	Барина	2411	Dapinna magna	
Silica, amorphous, fumed, crystal-free 112945-52-5 Silica, amorphous, fumed, crystal-free Solica, fumed, function Solica, fumed,							
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crystal-free 112945-52-5 Silica, amorphous, fumed, crystal-free 1201 (Alga, Growth Inhibition Test) OECD Guideline 203 (Fish, Acute Toxicity Test) OECD Guideline 203 (Fish, Acute Toxicity Test) OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) OECD Guideline 201 (Alga, Growth Inhibition Test) OECD Guideline 201 (Alga, Growth Inhibition Test) OECD Guideline 201 (Alga, Growth Inhibition Test) Not specified Solution							Test)
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Silica, amorphous, fumed, crystal-free 112945-52-5 Silica, amorphous, fumed, crystal-free 1201 (Alga, Growth Inhibition Test) DiN 38412, part 27 (Bacterial oxygen consumption test) DiN 38412, part 27 (Bacterial o							
crystal-free 112945-52-5 Silica, amorphous, fumed, crystal-free 112945-52-5 Silica, amorphous, fumed 1201 (Alga, Growth Inhibition Test) OECD Guideline 203 (Fish, Acute Toxicity Test) OECD Guideline 204 (Caphniasp, Acute Immobilisation Test) OECD Guideline 205 (Caphniasp, Acute Immobilisation Test) OECD Guideline 206 (Caphniasp, Acute Immobilisation Test) OECD Guideline 207 (Alga, Growth Inhibition Test) OECD Guideline 208 (Caphniasp, Acute Immobilisation Test) OECD Guideline 209 (Caphniasp, Acute Immobilisation			40.000 #				· · · · · · · · · · · · · · · · · · ·
Silica, amorphous, fumed, crystal-free		EL50	> 10,000 mg/l	Algae	72 h	Desmodesmus subspicatus	
Silica, amorphous, fumed, crystal-free $112945-52-5$ α , α -dimethylbenzyl hydroperoxide $80-15-9$ α , α -dimethylbenzyl hydroperoxide							
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		ECO	10.000 mg/l	Doctorio	20 min	Decudements nutide	
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$ \begin{bmatrix} \alpha, \alpha\text{-dimethylbenzyl} \\ \text{hydroperoxide} \\ 80\text{-}15\text{-}9 \\ \alpha, \alpha\text{-dimethylbenzyl} \\ \text{hydroperoxide} \\ 80\text{-}15\text{-}9 \\ \alpha, \alpha\text{-dimethylbenzyl} \\ \text{hydroperoxide} \\ 80\text{-}15\text{-}9 \\ \alpha, \alpha\text{-dimethylbenzyl} \\ \text{hydroperoxide} \\ \text{a} \\ \alpha, \alpha\text{-dimethylbenzyl} \\ \text{hydroperoxide} \\ \text{bydroperoxide} \\ \text{c} \\ \alpha, \alpha\text{-dimethylbenzyl} \\ \text{hydroperoxide} \\ \text{bydroperoxide} \\ \text{c} \\ \text{d} \\ \text{d}$							
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		LC50	3.9 mg/l	Fish	96 h	Oncorhynchus mykiss	
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hydroperoxide 80-15-9 α, α -dimethylbenzyl ErC50 3.1 mg/l Algae 72 h Pseudokirchneriella subcapitata OECD Guideline 1 hydroperoxide 80-15-9 α, α -dimethylbenzyl EC10 70 mg/l Bacteria 30 min not specified	80-15-9						
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		EC50	18 mg/l	Daphnia	48 h	Daphnia magna	
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$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$							
hydroperoxide		EC10	70 mg/l	Bacteria	30 min		
		2010	, ,	Daviona			not specified

${\bf Persistence\ and\ degradability:}$

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

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Ethane-1,2-diol 107-21-1	readily biodegradable	aerobic		OECD Guideline 301 A (new version) (Ready Biodegradability: DOC Die Away Test)
α, α-dimethylbenzyl		no data	0 %	OECD Guideline 301 B (Ready
hydroperoxide				Biodegradability: CO2 Evolution
80-15-9				Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Ethane-1,2-diol 107-21-1	-1.36	,,,,,				QSAR (Quantitative Structure Activity Relationship)
Silica, amorphous, fumed, crystal-free 112945-52-5	0.53					QSAR (Quantitative Structure Activity Relationship)
α, α-dimethylbenzyl hydroperoxide 80-15-9		9.1		calculation		OECD Guideline 305 (Bioconcentration: Flow- through Fish Test)
α, α-dimethylbenzyl hydroperoxide 80-15-9	2.16					not specified

Section 13. Disposal considerations

Waste disposal of product: Dispose of in accordance with local and national regulations.

Disposal for uncleaned package: 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.

Section 14. Transport information

Road and Rail Transport:

Dangerous Goods information: Not classified as Dangerous Goods according to the criteria of the

Australian Code for the Transport of Dangerous Goods by Road and

Rail (ADG Code).

Marine transport IMDG:

Not dangerous goods

Air transport IATA:

Not dangerous goods

Section 15. Regulatory information

SUSMP Poisons Schedule

None

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LOCTITE 561 PIPE SEALANT STICK known as LOCTITE® 561 THREAD SEALANT

Section 16. Other information

Abbreviations/acronyms: ADGC - Australian Dangerous Goods Code

GHS: Globally Harmonized System CAS: Chemical Abstracts Service LC 50: Lethal Concentration 50%

LD 50: Lethal Dose 50%

OECD: Organization for Economic Cooperation and Development

IMDG: International Maritime Dangerous Goods code

IATA-DGR: International Air Transport Association - Dangerous Goods Regulations

STEL - Short term exposure limit TWA - Time weighted average

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