



Safety Data Sheet in compliance with Indian Manufacture, Storage and Import of Hazardous Chemical (Amendment) Rules, 2000

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LOCTITE 518

MSDS-No. : 153476

V001.1

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

Product identifier

LOCTITE 518

Material: 142464

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

Intended use:

Anaerobic Adhesive

Identification of manufacturer, importer or distributor:

Manufacturer: Henkel Adhesives Technologies India Pvt. Ltd. D3/D4, MIDC, Jejuri - 412303 India. TEL : +91 9272203768 FAX : +91 2115 253248, Website www.henkel.com

Emergency telephone number

IN HAT: +91 9272203768

In case of any emergency call Poison Information Centre, JSS Hospital, Mysore: Toll Free No: 1800-425-0207/Mobile: +91 8892 42 5667

SECTION 2: Hazards identification

Classification of the substance or mixture

Classification (DPD):

Xi - Irritant

R36/37/38 Irritating to eyes, respiratory system and skin.

R41 Risk of serious damage to eyes.

Label elements

Label elements (DPD):

Risk phrases:

R36/37/38 Irritating to eyes, respiratory system and skin.

R41 Risk of serious damage to eyes.

Safety phrases:

S23 Do not breathe vapour.

S24/25 Avoid contact with skin and eyes.

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

S28 After contact with skin, wash immediately with plenty of water and soap.

S39 Wear eye/face protection.

S51 Use only in well-ventilated areas.

SECTION 3: Composition/information on ingredients

Declaration of ingredients according to DPD (EC) No 1999/45:

Hazardous components CAS-No.	EC Number	content	Classification
Acrylic acid 79-10-7	201-177-9	>= 1 - <= 20 %	R10 C - Corrosive; R35 N - Dangerous for the environment; R50 Xn - Harmful; R20/21/22
Cumene hydroperoxide 80-15-9	201-254-7	>= 1 - <= 20 %	T - Toxic; R23 Xn - Harmful; R21/22, R48/20/22 C - Corrosive; R34 O - Oxidizing; R7 N - Dangerous for the environment; R51/53
Ethane-1,2-diol 107-21-1	203-473-3	>= 0,1 - <= 10 %	Xn - Harmful; R22, R48/22
2-Hydroxyethyl methacrylate 868-77-9	212-782-2	>= 0,1 - <= 10 %	Xi - Irritant; R36/38, R43
Acetic acid, 2-phenylhydrazide 114-83-0	204-055-3	>= 0,1 - <= 5 %	Xn - Harmful; R22, R40 Xi - Irritant; R36/37/38, R43
Cumene 98-82-8	202-704-5	>= 0,1 - <= 5 %	R10 Xn - Harmful; R65 Xi - Irritant; R37 N - Dangerous for the environment; R51/53
2-phenylpropan-2-ol 617-94-7	210-539-5	>= 0,1 - <= 5 %	Xi - Irritant; R36/38 Xn - Harmful; R22
Limonene 5989-27-5	205-341-0, 227- 813-5	>= 0,1 - <= 5 %	R10 Xi - Irritant; R38 R43 Xn - Harmful; R65 N - Dangerous for the environment; R50/53

For full text of the R-Phrases indicated by codes see section 16 'Other Information'.
Substances without classification may have community workplace exposure limits available.

Section 4. First aid measures

Inhalation:	If symptoms develop and persist, get medical attention. Move to fresh air.
Skin contact:	Wash with soap and water. Remove contaminated clothing and footwear. Wash clothing before reuse. If symptoms develop and persist, get medical attention.
Eye contact:	Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.
Ingestion:	Keep individual calm. Do not induce vomiting. Get medical attention.

Section 5. Fire fighting measures

Suitable extinguishing media: Foam, dry chemical or carbon dioxide.

Specific hazards arising from the chemical:	None
Special protection equipment and precautions for firefighters:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Hazardous combustion products:	Irritating organic vapours. Oxides of nitrogen. Oxides of sulfur. Oxides of carbon.

Section 6. Accidental release measures

Environmental precautions:	Do not allow product to enter sewer or waterways.
Clean-up methods:	Ensure adequate ventilation. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until disposal.

SECTION 7: Handling and storage

Precautions for safe handling	Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling.
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Section 8. Exposure controls / personal protection

Respiratory protection:	Use NIOSH approved respirator if there is potential to exceed exposure limit(s). Use an organic vapor respirator for concentrations exceeding the Occupational Exposure Limit.
Hand protection:	Appropriate chemical resistant gloves.
Eye protection:	Safety goggles or safety glasses with side shields.
Body protection:	Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves. Butyl rubber gloves. Natural rubber gloves.
General protection and hygiene measures:	Good industrial hygiene practices should be observed.
Hygienic measures:	Keep away from food, beverages and animal feed. Wash hands before work breaks and after finishing work. Do not eat, drink, smoke or take snuff while working. Good industrial hygiene practices should be observed.

SECTION 9: Physical and chemical properties

Appearance:	red gel
Odor:	mild
Odor threshold (CA):	No data available.
pH:	No data available.
Melting point / freezing point:	No data available.
Specific gravity:	1,1
Boiling point:	> 150 °C (> 302 °F)
Flash point: (Tagliabue closed cup)	> 100,00 °C (> 212 °F)
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Lower explosive limit:	2 %(V) (Acrylic Acid)
Upper explosive limit:	8 %(V) (Acrylic Acid)
Vapor pressure: (; 27 °C (80.6 °F))	< 10 mm hg
Vapor density:	No data available.
Density:	1,1 g/cm ³
Solubility:	Solvent: Water, Slight
Partition coefficient: n-octanol/water:	No data available.
Auto ignition:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
VOC content:	No data available.

Section 10. Stability and reactivity

Reactivity/Incompatible materials:	Iron. Acids and bases. Rust. Reducing agents. Aluminum. Strong oxidizing agents. Free radical initiators. Aldehydes. Oxygen scavengers. Strong alkalis. Zinc. copper
Possibility of hazardous reactions:	Will not occur.
Conditions to avoid:	See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).
Hazardous decomposition products:	Oxides of sulfur. Oxides of nitrogen. Irritating organic vapours. Phenolics. Oxides of carbon.

SECTION 11: Toxicological information**Information on toxicological effects****General toxicological information:**

No laboratory animal data available.

Acute oral toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Acrylic acid 79-10-7	LD50	1.500 mg/kg	oral		rat	BASF Test
Cumene hydroperoxide 80-15-9	LD50	550 mg/kg	oral		rat	not specified
Ethane-1,2-diol 107-21-1	Acute toxicity estimate (ATE)	500 mg/kg	oral			Expert judgement
Ethane-1,2-diol 107-21-1	LD50	7.712 mg/kg			rat	not specified
2-Hydroxyethyl methacrylate 868-77-9	LD50	> 5.000 mg/kg	oral		rat	not specified
Acetic acid, 2- phenylhydrazide 114-83-0	LD50	270 mg/kg	oral		rat	not specified
Cumene 98-82-8	LD50	2.700 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)
2-phenylpropan-2-ol 617-94-7	LD50	1.300 mg/kg	oral		rat	not specified

Acute inhalative toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Acrylic acid 79-10-7	LC50	> 5,1 mg/l	inhalation	4 h	rat	OECD Guideline 403 (Acute Inhalation Toxicity)
Acrylic acid 79-10-7	Acute toxicity estimate (ATE)	11 mg/l				Expert judgement
Cumene 98-82-8	LC50	39 mg/l	inhalation	4 h	rat	not specified

Acute dermal toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Acrylic acid 79-10-7	Acute toxicity estimate (ATE)	1.100 mg/kg	dermal			Expert judgement
Acrylic acid 79-10-7	LD50	> 2.000 mg/kg			rabbit	OECD Guideline 402 (Acute Dermal Toxicity)
Cumene hydroperoxide 80-15-9	LD50	1.200 - 1.520 mg/kg	dermal			not specified
Ethane-1,2-diol 107-21-1	LD50	10.600 mg/kg	dermal		rabbit	not specified
2-Hydroxyethyl methacrylate 868-77-9	LD50	> 5.000 mg/kg	dermal		rabbit	not specified
Cumene 98-82-8	LD50	> 10.000 mg/kg	dermal		rabbit	not specified
2-phenylpropan-2-ol 617-94-7	LD50	4.300 mg/kg	dermal		rabbit	not specified

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Acrylic acid 79-10-7	highly corrosive	3 min	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Cumene hydroperoxide 80-15-9	corrosive		rabbit	Draize Test
Ethane-1,2-diol 107-21-1	not irritating	20 h	rabbit	BASF Test
Cumene 98-82-8	not irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Limonene 5989-27-5	moderately irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Acrylic acid 79-10-7	corrosive	21 d	rabbit	BASF Test
Ethane-1,2-diol 107-21-1	not irritating		rabbit	BASF Test
2-Hydroxyethyl methacrylate 868-77-9	irritating		rabbit	Draize Test
Cumene 98-82-8	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Acrylic acid 79-10-7	not sensitising	Skin painting test	guinea pig	not specified
Ethane-1,2-diol 107-21-1	not sensitising	Guinea pig maximisa- tion test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Cumene 98-82-8	not sensitising	Guinea pig maximisa- tion test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Limonene 5989-27-5	sensitising	Mouse local lymphnod- e assay (LLNA)	mouse	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
Acrylic acid 79-10-7	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
	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)
Acrylic acid 79-10-7	negative	oral: gavage		rat	OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)
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	not specified
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
2-Hydroxyethyl methacrylate 868-77-9	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
	positive	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 472 (Genetic Toxicology: Escherichia coli, Reverse Mutation Assay)
2-Hydroxyethyl methacrylate 868-77-9	negative	oral: gavage		rat	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Cumene 98-82-8	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
	negative	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
	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)
Cumene 98-82-8	negative	inhalation: gas		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

Carcinogenicity:

Hazardous components CAS-No.	Result	Species	Sex	Exposure timeFrequency y of treatment	Route of application	Method
Acrylic acid 79-10-7		rat	male/female	26 (males) -28 (females) month continuously	oral: drinking water	OECD Guideline 451 (Carcinogenicity Studies)
2-Hydroxyethyl methacrylate 868-77-9		rat	female	102 weeks 6 hours/day, 5 days/week	inhalation	OECD Guideline 451 (Carcinogenicity Studies)

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	not specified
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)
2-Hydroxyethyl methacrylate 868-77-9	NOAEL=100 mg/kg	oral: gavage	once daily	rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
Cumene 98-82-8	NOAEL=> 535,8 mg/kg	oral: feed	28 ddaily	rat	not specified
Cumene 98-82-8	NOAEL=125 ppm	inhalation: vapour	14 w6 h/d, 5 d/w	rat	OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)

SECTION 12: Ecological information**General ecological information:**

Do not empty into drains / surface water / ground water.

Toxicity

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Acrylic acid 79-10-7	LC50	27 mg/l	Fish	96 h	Salmo gairdneri (new name: Oncorhynchus mykiss)	EPA OTS 797.1400 (Fish Acute Toxicity Test)
Acrylic acid 79-10-7	EC50	95 mg/l	Daphnia	48 h	Daphnia magna	EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids)
Acrylic acid 79-10-7	EC10	0,03 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	EU Method C.3 (Algal Inhibition test)
	EC50	0,13 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	EU Method C.3 (Algal Inhibition test)
Acrylic acid 79-10-7	EC20	900 mg/l	Bacteria	30 min	activated sludge, domestic	ISO 8192 (Test for Inhibition of Oxygen Consumption by Activated Sludge)
Acrylic acid 79-10-7	NOEC	19 mg/l	chronic Daphnia	21 d	Daphnia magna	EPA OTS 797.1330 (Daphnid Chronic Toxicity Test)
Cumene hydroperoxide 80-15-9	LC50	3,9 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Cumene hydroperoxide 80-15-9	EC 50	7 mg/l	Daphnia	24 h	Water flea (Daphnia magna)	
	EC50	18 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Cumene hydroperoxide 80-15-9	ErC50	3,1 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Cumene hydroperoxide 80-15-9	EC10	70 mg/l	Bacteria	30 min		not specified
Ethane-1,2-diol 107-21-1	LC50	72.860 mg/l	Fish	96 h	Pimephales promelas	EPA-660 (Methods for Acute Toxicity Tests with Fish, Macroinvertebrates and Amphibians)
	NOEC	15.380 mg/l	Fish	7 d	Pimephales promelas	other guideline:
Ethane-1,2-diol 107-21-1	EC50	> 100 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Ethane-1,2-diol 107-21-1	EC50	> 6.500 - 13.000 mg/l	Algae	96 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
	NOEC	> 100 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Ethane-1,2-diol 107-21-1	EC20	> 1.995 mg/l	Bacteria	30 min	activated sludge, domestic	ISO 8192 (Test for Inhibition of Oxygen Consumption by Activated Sludge)
Ethane-1,2-diol 107-21-1	NOEC	8.590 mg/l	chronic Daphnia	7 d	Ceriodaphnia dubia	other guideline:
2-Hydroxyethyl methacrylate 868-77-9	LC50	> 100 mg/l	Fish	96 h	Oryzias latipes	OECD Guideline 203 (Fish, Acute Toxicity Test)
2-Hydroxyethyl methacrylate 868-77-9	EC50	380 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp.)

						Acute Immobilisation Test)
2-Hydroxyethyl methacrylate 868-77-9	EC50	836 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
	NOEC	400 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
2-Hydroxyethyl methacrylate 868-77-9	EC0	> 3.000 mg/l	Bacteria	16 h	Pseudomonas fluorescens	other guideline:
2-Hydroxyethyl methacrylate 868-77-9	NOEC	24,1 mg/l	chronic Daphnia	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)
Cumene 98-82-8	LC50	4,8 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Cumene 98-82-8	EC50	4 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Cumene 98-82-8	EC50	2,6 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Cumene 98-82-8	EC10	211 mg/l	Bacteria	24 h		DIN 38412, part 8 (Pseudomonas Zellvermehrungshe mm-Test)
Limonene 5989-27-5	LC50	0,702 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Limonene 5989-27-5	EC50	577 µg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Persistence and degradability

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Acrylic acid 79-10-7	inherently biodegradable	aerobic	100 %	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
	readily biodegradable	aerobic	81 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Cumene hydroperoxide 80-15-9		no data	0 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Ethane-1,2-diol 107-21-1	readily biodegradable	aerobic	90 - 100 %	OECD Guideline 301 A (new version) (Ready Biodegradability: DOC Die Away Test)
2-Hydroxyethyl methacrylate 868-77-9	readily biodegradable	aerobic	92 - 100 %	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))
Cumene 98-82-8		aerobic	86 %	ISO 10708 (BODIS-Test)
Limonene 5989-27-5	readily biodegradable		41 - 98 %	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))

Bioaccumulative potential / Mobility in soil

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
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Acrylic acid 79-10-7		3,16				QSAR (Quantitative Structure Activity Relationship)
Acrylic acid 79-10-7	0,46				25 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Cumene hydroperoxide 80-15-9		9,1		calculation		OECD Guideline 305 (Bioconcentration: Flow-through Fish Test)
Cumene hydroperoxide 80-15-9	2,16					not specified
Ethane-1,2-diol 107-21-1	-1,36					QSAR (Quantitative Structure Activity Relationship)
2-Hydroxyethyl methacrylate 868-77-9	0,42				25 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Acetic acid, 2-phenylhydrazide 114-83-0	0,74					not specified
Cumene 98-82-8		35,5		Carassius auratus		OECD Guideline 305 (Bioconcentration: Flow-through Fish Test)
Cumene 98-82-8	3,55				23 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
2-phenylpropan-2-ol 617-94-7	1,95					not specified
Limonene 5989-27-5	4,57					not specified

Results of PBT and vPvB assessment

Hazardous components CAS-No.	PBT/vPvB
Acrylic acid 79-10-7	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Cumene hydroperoxide 80-15-9	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Ethane-1,2-diol 107-21-1	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
2-Hydroxyethyl methacrylate 868-77-9	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Cumene 98-82-8	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
2-phenylpropan-2-ol 617-94-7	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

Section 13. Disposal considerations

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

Disposal for uncleaned package: Dispose of in accordance with local and national regulations.

Section 14. Transport information**General information:**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

Section 15. Regulations - classification and identification

Acrylic acid	IBC Code. International Bulk Chemical Code, Chapter 17, Minimum Requirements IBC Code. International Bulk Chemical Code, Chapter 17, Minimum Requirements IBC Code. International Bulk Chemical Code, Chapter 17, Minimum Requirements
Ethane-1,2-diol	American Cleaning Institute (ACI) Cleaning Product Ingredient Inventory IBC Code. International Bulk Chemical Code, Chapter 17, Minimum Requirements IBC Code. International Bulk Chemical Code, Chapter 17, Minimum Requirements IBC Code. International Bulk Chemical Code, Chapter 17, Minimum Requirements India. List of Hazardous Chemicals (Manufacture, Storage and Import of Hazardous Chemical Rules, Schedule I (Part II))
2-Hydroxyethyl methacrylate	OECD. Program to investigate the potential hazards of high production volume chemicals (HPV), including decisions on the need for further work.
Cumene	IBC Code. International Bulk Chemical Code, Chapter 17, Minimum Requirements IBC Code. International Bulk Chemical Code, Chapter 17, Minimum Requirements IBC Code. International Bulk Chemical Code, Chapter 17, Minimum Requirements IBC Code. International Bulk Chemical Code, Chapter 17, Minimum Requirements IBC Code. International Bulk Chemical Code, Chapter 17, Minimum Requirements IBC Code. International Bulk Chemical Code, Chapter 17, Minimum Requirements India. List of Hazardous Chemicals (Manufacture, Storage and Import of Hazardous Chemical Rules, Schedule I (Part II))
Limonene	American Cleaning Institute (ACI) Cleaning Product Ingredient Inventory IBC Code. International Bulk Chemical Code, Chapter 17, Minimum Requirements IBC Code. International Bulk Chemical Code, Chapter 17, Minimum Requirements IBC Code. International Bulk Chemical Code, Chapter 17, Minimum Requirements

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:

- R10 Flammable.
- R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- R21/22 Harmful in contact with skin and if swallowed.
- R22 Harmful if swallowed.
- R23 Toxic by inhalation.
- R34 Causes burns.
- R35 Causes severe burns.
- R36/37/38 Irritating to eyes, respiratory system and skin.
- R36/38 Irritating to eyes and skin.
- R37 Irritating to respiratory system.
- R38 Irritating to skin.
- R40 Limited evidence of a carcinogenic effect.
- R43 May cause sensitisation by skin contact.
- R48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
- R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.
- R50 Very toxic to aquatic organisms.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65 Harmful: may cause lung damage if swallowed.
- R7 May cause fire.

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.

Disclaimer:

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.