

Safety Data Sheet according to GB/T 16483-2008

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LOCTITE 603 RETAINING COMPOUND known as 603 Retaining Compd 50ML E/C/J

SDS No.: 153475

V001.9 Revision: 07.01.2018

printing date: 19.02.2019

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

Product name: LOCTITE 603 RETAINING COMPOUND known as 603 Retaining Compd 50ML E/C/J

Intended use: Anaerobic

Company name:

Henkel (China) Investment Co. Ltd.

No.928 Zhangheng Rd.

201203 Pudong, Shanghai, P.R. China

China

Phone: +86-21-2891 8000 Fax-no.: +86-21-2891 5137

Revision date: 07.01.2018

Emergency information: Emergency telephone: +86 532 8388 9090 (24h).

2. Hazards identification

Classification of the substance or mixture according to GB 13690-2009 (General rule for classification and hazard communication of chemicals):

Hazard Class Hazard Category Target organ

Skin corrosion/irritation Category 2
Serious eye damage/eye irritation
Skin sensitizer Category 1
Specific target organ toxicity - Category 3

tegory 3 respiratory tract irritation

single exposure

Chronic hazards to the aquatic Category 3

environment

Label elements according to GB 15258-2009 (General rules for preparation of precautionary label for chemicals):

Hazard pictogram:

Signal word: Danger

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Hazard statement: H317 May cause an allergic skin reaction.

H318 Causes serious eye damage. H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

H315 Causes skin irritation.

Prevention: P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash hands thoroughly after handling. P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response: P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water [or shower].

P304+P340+P310 IF INHALED: Remove victim to fresh air and keep at rest in a position

comfortable for breathing. Immediately call a POISON CENTER or physician.

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

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

P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse.

Storage: P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

Disposal: P501 Dispose of contents/container to an appropriate treatment and disposal facility in

accordance with applicable laws and regulations, and product characteristics at time of

disposal.

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3. Composition / information on ingredients

General description: Mixture

Declaration of the ingredients according to GB 13690-2009:

Hazard component CAS-No.	Content	GHS Classification
2-Propenoic acid, 2-methyl-, 4-(1,1-dimethylethyl	30- < 50 %	Skin corrosion/irritation 2
46729-07-1		H315
		Serious eye damage/eye irritation 2A
		H319 Specific target organ toxicity - single exposure 3
		H335
Methacrylate Monomer	10- < 20 %	Acute toxicity 5; Dermal
Proprietary	10 \ 20 /0	H313
		Skin sensitizer 1B
		H317
		Acute hazards to the aquatic environment 2
		H401
Methacrylic acid, monoester with propane-1,2-diol	1- < 10 %	Serious eye damage/eye irritation 2A H319
27813-02-1		Skin sensitizer 1
		H317
Acrylic acid	1- < 10 %	Flammable liquids 3
79-10-7	, ,	H226
		Acute toxicity 4; Oral
		H302
		Acute toxicity 4; Inhalation
		H332
		Acute toxicity 4; Dermal
		Skin corrosion/irritation 1A
		H314
		Specific target organ toxicity - single exposure 3
		H335
		Acute hazards to the aquatic environment 1
		H400
		Chronic hazards to the aquatic environment 2 H411
Surfactant	1- < 10 %	Acute toxicity 4; Oral
Proprietary	1- < 10 /0	H302
110011011111		Serious eye damage/eye irritation 1
		H318
		Acute hazards to the aquatic environment 2
		H401
		Chronic hazards to the aquatic environment 2 H411
Methacrylic acid	0.1-< 1 %	Flammable liquids 4
79-41-4	0.1-< 1 /0	H227
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Acute toxicity 4; Oral
		H302
		Acute toxicity 4; Inhalation
		H332
		Acute toxicity 3; Dermal H311
		Skin corrosion/irritation 1A
		H314
		Acute hazards to the aquatic environment 3
		H402
Acetic acid, 2-phenylhydrazide	0.1-< 1 %	Acute toxicity 3; Oral
114-83-0		H301
		Skin corrosion/irritation 2
		H315
		Serious eye damage/eye irritation 2A H319
		Skin sensitizer 1
		H317
		Carcinogenicity 2
		H351
		Specific target organ toxicity - single exposure 3;
I		
		Inhalation H335

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Only hazardous ingredients for which a classification according to GB 13690-2009 is already available are displayed in this table. For full text of the Hazard statements see section 16 "Other information".

4. First aid measures

Skin contact: Rinse with running water and soap.

Seek medical advice.

Eye contact: Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if

necessary.

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

Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting. **Ingestion:**

Seek medical advice.

5. Fire fighting measures

Hazardous combustion products: Oxides of carbon, oxides of nitrogen, irritating organic vapors.

Sulphur oxides

Extinguishing media: Carbon dioxide, foam, powder

Fire-fighting method: In case of fire, keep containers cool with water spray.

Notice and measures for firing

fighting:

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

6. Accidental release measures

Emergency measures: Avoid skin and eye contact.

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.

7. Handling and storage

Use only in well-ventilated areas. Notice for handling:

Avoid skin and eye contact.

Prolonged or repeated skin contact should be avoided to minimise any risk of sensitisation. Notice for storage:

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.

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8. Exposure controls / personal protection

Hazardous components	GBZ 2.1-2007	ACGIH	NIOSH	OSHA
Acrylic acid	(SKIN) 6 mg/m3PC-TWA	2 ppm TWA		none
Methacrylic acid	70 mg/m3PC-TWA	20 ppm TWA		none

Engineering controls: Ensure good ventilation/extraction.

Respiratory protection: Use only in well-ventilated areas.

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

Eye protection: Wear protective glasses.

Body protection: Wear suitable protective clothing.

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.

The selection of PPE shall at least compliant with "Law of the People's Republic of China Other protection:

on Prevention and Control of Occupational Diseases" and "Code of practice for selection

of personal protective equipments" (GB/T 11651-2008). Good industrial hygiene practices should be observed.

Pictograms for recommended PPE:







9. Physical and chemical properties

Physical state: liquid

Not applicable pH: Boiling point: > 149.0 °C (> 300.2 °F) > 100.00 °C (> 212 °F) Flash point: Solubility in water Slightly soluble

Appearance: green

Not applicable Melting point: 1.07 g/cm3 Density: Not available. Ignition temperature: Viscosity: Not available.

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10. Stability and reactivity

Conditions to avoid: Stable

Incompatible products: Reaction with strong acids.

Reacts with strong oxidants.

Decomposition products: None if used for intended purpose.

Hazardous polymerization: Will not occur.

11. Toxicological information

Oral toxicity:

Acute toxicity estimate (ATE): > 5,000 mg/kg

Method: Calculation method

Inhalative toxicity:

Acute toxicity estimate (ATE): > 40 mg/l

Exposure time: 4 h
Test atmosphere: Vapor.
Method: Calculation method

Dermal toxicity:

Acute toxicity estimate (ATE) : > 5,000 mg/kg

Method: Calculation method

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Other remarks:

Not available.

Acute toxicity:

CAS-No. type application time	Hazardous components	Value	Value	Route of	Exposure	Species	Method
methyl-, 4-(1,1- dimethylethyl 46729-07-1 Methacrylate Monomer Proprietary Methacrylic acid, monoester with propane- 1,2-diol 27813-02-1 Acrylic acid 79-10-7 Methacrylic acid Toxicity estimate (ATE) Acute toxicity estimate (ATE) LD50 Methacrylic acid Toxicity Expert judgement Toxicity Expert judgement Toxicity Toxicity Expert judgement Toxicity Toxicity Toxicity Toxicity Expert judgement Toxicity T	CAS-No.	type		application	time		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2-Propenoic acid, 2-	LD50	> 2,000 mg/kg	oral		rat	not specified
46729-07-1 Methacrylate Monomer Proprietary Methacrylic acid, monoester with propane-1,2-diol 27813-02-1 Acrylic acid LD50 5,000 mg/kg dermal	3 / (/						
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	dimethylethyl						
Proprietary LD50 $> 3,000 \text{mg/kg}$ dermal oral monoester with propane-1,2-diol 27813-02-1 Acrylic acid 79-10-7 LD50 $> 5,000 \text{mg/kg}$ oral rat model of the propane-1,2-diol 27813-02-1 Acrylic acid 79-10-7 LC50 $> 5,1 \text{mg/l}$ inhalation toxicity estimate (ATE) LD50 LD50 $> 3,000 \text{mg/kg}$ dermal dermal rat model oral propane-1,2-diol 27813-02-1 Acrylic acid 79-41-4 LC50 $> 5,1 \text{mg/l}$ inhalation dermal rat make (ATE) LD50 LD50 $> 3,6 \text{mg/l}$ dermal dermal rat make toxicity estimate toxicity of toxicity estimate (ATE) LD50 $> 3,6 \text{mg/l}$ dermal rat model or rat make toxicity estimate toxicity estimate mg/kg are mg/kg oral inhalation and propagation or rat make toxicity oral inhalation and propagation or rat make mg/kg oral rat make mg/kg oral model oral propagation oral rat make mg/kg oral model oral propagation oral model oral propagation oral model oral propagation oral rat make mg/kg oral model oral propagation oral mo	46729-07-1						
Methacrylic acid, monoester with propane- 1,2-diol 27813-02-1 Acrylic acid 79-10-7 LD50 1,500 mg/kg 2,000 mg/kg 27813-02-1 Acrylic acid 79-10-7 LC50 5,1 mg/l 1,100 mg/kg 2,000 mg/kg	,			oral			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Proprietary	LD50	> 3,000 mg/kg			rabbit	not specified
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				***********			
1,2-diol 27813-02-1 Acrylic acid 79-10-7 LC50				oral			`
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		LD50	> 5,000 mg/kg			rabbit	37
Acrylic acid	*			dermal			not specified
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	_,						
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$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	79-10-7		Ç		4 h	rat	`
estimate (ATE) Acute toxicity estimate (ATE) LD50 Methacrylic acid 79-41-4 LC50 > 3.6 mg/l inhalation Acute 500 mg/kg dermal toxicity estimate toxicity estimate mg/kg Repert judgement OECD Guideline 402 (Acute Dermal Toxicity) rabbit rabbit Expert judgement OECD Guideline 401 (Acute Dermal Toxicity) rat OECD Guideline 401 (Acute Oral Toxicity) OECD Guideline 403 (Acute Inhalation Toxicity) Expert judgement OECD Guideline 401 (Acute Oral Toxicity)			U				
(ATE) Acute toxicity estimate (ATE) LD50 Methacrylic acid 79-41-4 LC50 > 3.6 mg/l inhalation Acute 500 mg/kg dermal toxicity = 500 - 1,000 dermal mg/kg Acute mg/kg OECD Guideline 402 (Acute Dermal Toxicity) rat OECD Guideline 401 (Acute Oral Toxicity) OECD Guideline 401 (Acute Dermal Toxicity) rat OECD Guideline 401 (Acute Oral Toxicity) Expert judgement		-		************			
Acute toxicity estimate (ATE) LD50 LD50 LD50 1,320 mg/kg oral inhalation 4 h rat OECD Guideline 401 (Acute 79-41-4 LC50 > 3.6 mg/l inhalation 4 h rat OFCD Guideline 403 (Acute toxicity 500 - 1,000 dermal toxicity estimate mg/kg Acute toxicity estimate mg/kg Dermal Toxicity) rat OECD Guideline 401 (Acute Oral Toxicity) Expert judgement			> 2,000 mg/kg	dermal		rabbit	
toxicity estimate (ATE) LD50 Methacrylic acid 79-41-4 LC50		, ,					`
estimate (ATE) LD50 Methacrylic acid 79-41-4 LC50							Dermal Toxicity)
Methacrylic acid T9-41-4 Methacrylic acid LD50 LD50 LD50 LD50 LD50 LC50 S 3.6 mg/l Acute S00 mg/kg dermal toxicity estimate Methacrylic acid LD50 LD50 LD50 LD50 LD50 LO50 S 3.6 mg/l inhalation dermal dermal dermal rat OECD Guideline 401 (Acute rat Oral Toxicity) OECD Guideline 403 (Acute Inhalation Toxicity) Expert judgement		-					
Methacrylic acid 79-41-4 Methacrylic acid LD50 LD50 LD50 LD50 LC50 S 3.6 mg/l Acute S00 mg/kg dermal toxicity estimate LC50 S 0 - 1,000 mg/kg dermal mg/kg rat OECD Guideline 401 (Acute rat Oral Toxicity) OECD Guideline 403 (Acute Inhalation Toxicity) Expert judgement							
Methacrylic acid 1.D50							
79-41-4 LC50 > 3.6 mg/l inhalation Acute 500 mg/kg dermal toxicity estimate mg/kg losses are simulated as follows: LC50 > 3.6 mg/l inhalation dermal dermal dermal mg/kg losses are simulated as follows: Acute 500 mg/kg dermal rabbit losses are simulated as follows: Barbara A h and a loss are simulated as follows: A h and a loss are simulated as follows: Barbara A h and a loss are simulated	34 4 1 1		1 220 //	1			OFCD C '11' 401 (A 4
Acute 500 mg/kg dermal toxicity 500 - 1,000 dermal estimate mg/kg dermal rabbit Inhalation Toxicity) Expert judgement	,				4.1		`
toxicity 500 - 1,000 dermal rabbit Inhalation Toxicity estimate mg/kg Expert judgement	/9-41-4		Ç		4 n	rat	3 /
estimate mg/kg Expert judgement							
		-		dermai		rabbit	
			mg/kg				1 3 6
LD50							Definal Toxicity Screening
Acetic acid, 2- LD50 270 mg/kg oral rat not specified	Acetic acid 2		270 mg/kg	oral		rat	not specified
phenylhydrazide	,	LD30	270 mg/kg	Oral		iat	not specified
	114-83-0						

Skin corrosion/irritation:

Hazardous components	Result	Exposure	Species	Method
CAS-No.		time		
Methacrylic acid, monoester with propane- 1,2-diol 27813-02-1	not irritating	24 h	rabbit	Draize Test
Acrylic acid 79-10-7	highly corrosive	3 min	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Methacrylic acid 79-41-4	Category 1A (corrosive)	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
Methacrylic acid 79-41-4	Category I		rabbit	Draize Test

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Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Methacrylate Monomer Proprietary	sensitising	Mouse local lymphnod e assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
Acrylic acid 79-10-7	not sensitising	Skin painting test	guinea pig	not specified
Methacrylic acid 79-41-4	not sensitising	Buehler test	guinea pig	OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Methacrylic acid, monoester with propane- 1,2-diol 27813-02-1	negative negative	bacterial reverse mutation assay (e.g Ames test) mammalian cell gene mutation assay	with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Methacrylic acid, monoester with propane- 1,2-diol 27813-02-1	negative	oral: gavage		rat	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Acrylic acid 79-10-7	negative negative	mammalian cell gene mutation assay DNA damage and repair assay, unscheduled DNA synthesis in mammalian cells in vitro	with and without without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) 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)
Methacrylic acid 79-41-4	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Methacrylic acid 79-41-4	negative	inhalation		mouse	OECD Guideline 478 (Genetic Toxicology: Rodent Dominant Lethal Test)

Repeated dose toxicity:

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Methacrylic acid, monoester with propane- 1,2-diol 27813-02-1	NOAEL=300 mg/kg	oral: gavage		rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

12. Ecological information

General ecological information:

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

Ecotoxicity:

No data available.

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Other adverse effects:

Not available.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Methacrylate Monomer	LC50	32.5 mg/l	Fish	48 h		DIN 38412-15
Proprietary Methacrylate Monomer Proprietary	EC50	9.79 mg/l	Algae	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth Inhibition Test)
Methacrylate Monomer Proprietary	NOEC	2.11 mg/l	Algae	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth Inhibition Test)
Methacrylate Monomer Proprietary	NOEC	20 mg/l	Bacteria	28 d	activated sludge, domestic	not specified
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	LC50	493 mg/l	Fish	48 h	Leuciscus idus melanotus	DIN 38412-15
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	EC50	> 143 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	EC50	> 97.2 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	NOEC	> 97.2 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	EC10	1,140 mg/l	Bacteria	16 h		not specified
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)
Acrylic acid 79-10-7	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
Surfactant Proprietary	LC50	1.5 mg/l	Fish	48 h	Ide, silver or golden orfe (Leuciscus idus)	Activated Sludge) OECD Guideline 203 (Fish, Acute
Methacrylic acid 79-41-4	LC50	85 mg/l	Fish	96 h	Salmo gairdneri (new name: Oncorhynchus mykiss)	Toxicity Test) EPA OTS 797.1400 (Fish Acute Toxicity
Methacrylic acid 79-41-4	EC50	> 130 mg/l	Daphnia	48 h	Daphnia magna	Test) EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater
Methacrylic acid 79-41-4	NOEC	8.2 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	Daphnids) OECD Guideline 201 (Alga, Growth Inhibition Test)
Methacrylic acid	EC50	45 mg/l	Algae	72 h	Selenastrum capricornutum	OECD Guideline

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79-41-4	ĺ		Ĭ		(new name: Pseudokirchneriella	201 (Alga, Growth
Methacrylic acid	EC10	100 mg/l	Bacteria	17 h	subcapitata)	Inhibition Test) not specified
79-41-4						

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Methacrylate Monomer Proprietary	readily biodegradable	aerobic	84 %	OECD Guideline 310 (Ready BiodegradabilityCO2 in Sealed Vessels (Headspace Test)
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	readily biodegradable	aerobic	94.2 %	OECD Guideline 301 E (Ready biodegradability: Modified OECD Screening Test)
Acrylic acid 79-10-7	inherently biodegradable	aerobic	100 %	OECD Guideline 302 B (Inherent biodegradability: Zahn- Wellens/EMPA Test)
Acrylic acid 79-10-7	readily biodegradable	aerobic	81 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Methacrylic acid 79-41-4	inherently biodegradable	aerobic	100 %	OECD Guideline 302 B (Inherent biodegradability: Zahn- Wellens/EMPA Test)
Methacrylic acid 79-41-4	readily biodegradable	aerobic	86 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogPow	Bioconcentration	Exposure	Species	Temperature	Method
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	0.97	factor (BCF)	time		20 °C	not specified
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 (noctanol / water), Shake Flask Method)
Methacrylic acid 79-41-4	0.93				22 °C	OECD Guideline 107 (Partition Coefficient (noctanol / water), Shake Flask Method)
Acetic acid, 2- phenylhydrazide 114-83-0	0.74					not specified

13. Disposal considerations

Product disposal:

If the waste is classified as hazardous waste according to GB 5085.7-2007 (Identification standards for hazardous wastes, General Specifications). Dispose of as hazardous waste in compliance with "Regulation on the Safety Management of Hazardous Chemicals", "Law of the People's Republic of China on the prevention and control of Environmental Pollution by Solid Waste", "National Catalogue of Hazardous Waste".

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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.

14. Transport information

General information:

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

Notice For Transportation: Transport according to local and national regulations. Ensure

containers will not leak, collapse, or being damaged when transported. DO NOT transport with incompatible materials. Transportation vehicle should be equipped with right fire-fighting equipment in case of emergency. Avoid solarization, drenched and high temperature when

transported.

15. Regulatory information

The following laws and regulations lay down provisions in terms of chemicals safety use, storage, transportation, loading/unloading, classification as well as symbol.

"Law of the People's Republic of China on Work Safety" (Adopted by the 28th meeting of 9th NPC standing committee on 29th June 2002, revised by 10th meeting of 12nd NPC standing committee on 31st Aug 2014).

"Law of the People's Republic of China on the Prevention and Treatment of Occupational Diseases" (Adopted by the 24th meeting of 9th NPC standing committee on 27th October 2001, revised by 21st meeting of 12nd NPC standing committee on 2nd Jul 2016).

"Law of the People's Republic of China on environmental protection" (Adopted by 11st meeting of 7th NPC standing committee on 26th December 1989, revised by 8th meeting of 12nd NPC standing committee on 24th Apr 2014).

"Regulation on the Safety Management of Hazardous Chemicals" (Adopted by 32nd State Council executive meeting on 4th December 2013).

"Regulations on License to Work Safety" (Adopted by 54th State Council executive meeting on 29th July 2014).

16. Other information

Issue date: 19.02.2019

Issue department: Dayong Tian, Product Safety & Regulatory Affairs Specialist for Greater China

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SDS No.: 153475 V001.9

LOCTITE 603 RETAINING COMPOUND known as 603 Retaining Compd 50ML E/C/J

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Others:

The full text of all abbreviations indicated by codes in this safety data sheet section 3 are as follows:

H226 Flammable liquid and vapor.

H227 Combustible liquid.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H312 Harmful in contact with skin.

H313 May be harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H351 Suspected of causing cancer.

H400 Very toxic to aquatic life.

H401 Toxic to aquatic life.

H402 Harmful to aquatic life.

H411 Toxic to aquatic life with long lasting effects.