

Safety Data Sheet

LOCTITE 277 BO50ML EN/CH/JP

Page 1 of 13

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

Product name: LOCTITE 277 BO50ML EN/CH/JP

Other means of identification: LOCTITE 277 BO50ML EN/CH/JP

Product code: IDH236613 Recommended use of the chemical and restrictions on use

Intended use: Anaerobic Adhesive Manufacturer/Importer/Distributor Representative Company Henkel Thailand Ltd. The Offices at Centralworld, 35th Floor, 999/9 Rama 1 Rd., Kwang Patumwan, Khet Patumwan,

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Thailand

Phone:+66 (2209) 8000Fax-no.:+66 (2209) 8008

E-mail address of person responsible for Safety Data Sheet: ap-ua-psra.sea@henkel.com

Emergency Telephone for Chemical Accidents: FOR EMERGENCIES ONLY (Spill, major leak, Fire, Exposure, or Accident). Call CHEMTREC: +1 703-741-5970

Section 2. Hazards identification

GHS Classification:

Hazard Class

Serious eye damage/eye irritation Categor Specific target organ toxicity - Categor single exposure

Hazard Category Category 2 Category 3 <u>Target organ</u>

respiratory tract irritation

GHS label elements:

Hazard pictogram:



Hazard statement:

H319 Causes serious eye irritation. H335 May cause respiratory irritation.

Precaution:

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.
P280 Wear eye protection/face protection. **Response:**P304+P340+P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.
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. **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.

Section 3. Composition / information on ingredients

Substance or Mixture:

Mixture

Declaration of hazardous chemical:

Hazard component CAS-No.	Content	GHS Classification
α, α-dimethylbenzyl hydroperoxide 80-15-9	1- 10 %	Flammable liquids 4 H227
80-13-9		Organic peroxides E
		H242
		Acute toxicity 4; Oral H302
		Acute toxicity 2; Inhalation
		H330 A sute torrigity 4: Dermal
		Acute toxicity 4; Dermal H312
		Skin corrosion/irritation 1
		H314 Specific target organ toxicity - single exposure 3
		H335 Specific target organ toxicity - repeated exposure 2
		H373
		Acute hazards to the aquatic environment 2 H401
		Chronic hazards to the aquatic environment 2 H411
N,N-Diethyl-p-toluidine 613-48-9	0.1- 1 %	Flammable liquids 4 H227
015-46-9		Acute toxicity 3; Oral
		H301
		Acute toxicity 3; Inhalation H331
		Acute toxicity 3; Dermal
		H311 Skin corrosion/irritation 2
		H315
		Specific target organ toxicity - repeated exposure 2 H373
		Acute hazards to the aquatic environment 3 H402
		Chronic hazards to the aquatic environment 3 H412
N,N-dimethyl-o-toluidine	0.1- 1 %	Flammable liquids 4
609-72-3		H227 Acute toxicity 3; Oral
		H301
		Acute toxicity 3; Inhalation H331
		Acute toxicity 3; Dermal
		H311 Specific target organ toxicity - repeated exposure 2
		H373
		Acute hazards to the aquatic environment 3 H402
		Chronic hazards to the aquatic environment 3 H412
methacrylic acid	0.1- 1%	Flammable liquids 4
79-41-4		H227
		Acute toxicity 4; Oral H302
		Acute toxicity 4; Inhalation
		H332 Aguta taxiaity 3: Dormal
		Acute toxicity 3; Dermal H311
		Skin corrosion/irritation 1 H314
		Serious eye damage/eye irritation 1 H318
		Specific target organ toxicity - single exposure 3 H335
		Acute hazards to the aquatic environment 3 H402

Section 4. First aid measures

Inhalation:

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

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.

Ingestion:

Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting. Seek medical advice.

Section 5. Fire fighting measures

Suitable extinguishing media:

Carbon dioxide, foam, powder Fine water spray

Specific hazards arising from the chemical:

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO2) can be released. In case of fire, keep containers cool with water spray.

Special protection equipment and precautions for firefighters:

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

Hazardous combustion products:

Trace amounts of toxic and/or irritating fumes may be released and the use of breathing apparatus is recommended. Oxides of carbon.

Additional fire fighting advice:

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

Section 6. Accidental release measures

Personal precautions:

Avoid skin and eye contact. Ensure adequate ventilation. Wear protective equipment. See advice in section 8

Environmental precautions:

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

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. Dispose of contaminated material as waste according to Section 13.

Section 7. Handling and storage

Handling:

Use only with adequate ventilation. Avoid skin and eye contact. Prolonged or repeated skin contact should be avoided to minimise any risk of sensitisation. See advice in section 8

Storage:

Ensure good ventilation/extraction.

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.

Section 8. Exposure controls / personal protection

Components with specific control parameters for workplace:

METHACRYLIC ACID 79-41-4	Value type	Time Weighted Average (TWA):
	ppm	20
	Remarks	ACGIH

Respiratory protection:

Ensure adequate ventilation.

Filter type: A (EN 14387)

An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area

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:

Wear protective glasses. Protective eye equipment should conform to EN166.

Body protection:

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

Engineering controls:

Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

General protection and hygiene measures:

The workplace should be equipped with an emergency shower and eye-rinsing facility.

Hygienic measures:

Wash hands before work breaks and after finishing work. Do not eat, drink or smoke while working. Take off contaminated clothing and wash before reuse.

Section 9. Physical and chemical properties				
Appearance:	red			
Appearance.	liquid			
Odor:	mild, Acrylic			
Odor threshold (CA):	No data available.			
pH:	Not applicable, Product is non-polar/aprotic.			
Melting point / freezing point:	Not applicable, Product is a liquid			
Specific gravity:	1.1			
Boiling point:	> 150 °C (> 302 °F)			
Flash point:	> 100.00 °C (> 212 °F)			
(Tagliabue closed cup)	No flash point up to 100 °C165 °C (329 °F)			
(Cleveland open cup)				
Evaporation rate:	No data available.			
Flammability (solid, gas):	No data available.			
Lower explosive limit:	No data available.			
Upper explosive limit:	No data available.			
Vapor pressure:	< 0.1300000 mbar			
(; 20.0 °C (68 °F); 27 °C (80.6	< 5 mm hg			
°F); 25.0 °C (77 °F)no method /	< 13 Pa			
method unknown; 50 °C (122	< 300 mbar			
°F))				
Vapor density:	>1			
Density:	1.0800 g/cm3			
Solubility:	Slightly soluble (20 °C)			
Partition coefficient: n-	No data available.			
octanol/water:				
Auto ignition:	No data available.			
Decomposition temperature:	No data available.			
Viscosity:	No data available.			
VOC content:	< 3 %			
(2010/75/EC)				

Section 10. Stability and reactivity

Reactivity/Incompatible materials: Peroxides. Chemical stability: Stable under recommended storage conditions. Conditions to avoid: Stable Hazardous decomposition products: Oxides of carbon.

Section 11. Toxicological information

Oral toxicity:	Acute toxicity estimate (ATE) : > 2,000 mg/kg Method: Calculation method
Inhalative toxicity:	Acute toxicity estimate (ATE) : > 20 mg/l Exposure time: 4 h Test atmosphere: Vapor. Method: Calculation method

Dermal toxicity:	Acute toxicity estimate (ATE) : > 2,000 mg/kg Method: Calculation method
Symptoms of Overexposure:	EYE: Irritation, conjunctivitis. RESPIRATORY: Irritation, coughing, shortness of breath, chest tightness. Prolonged or repeated contact may cause skin irritation.

Acute oral toxicity:

α , α -dimethylbenzyl hydroperoxide	Value type	LD50
80-15-9	Value	382 mg/kg
	Species	rat
	Method	other guideline:
N,N-Diethyl-p-toluidine	Value type	Acute toxicity estimate (ATE)
613-48-9	Value	100 mg/kg
	Species	
	Method	Expert judgement
N,N-dimethyl-o-toluidine	Value type	Acute toxicity estimate (ATE)
609-72-3	Value	100 mg/kg
	Species	
	Method	Expert judgement
methacrylic acid	Value type	LD50
79-41-4	Value	1,320 mg/kg
	Species	rat
	Method	equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity)

Acute inhalative toxicity:

α , α -dimethylbenzyl hydroperoxide	Value type	LC50
80-15-9	Value	1.370 mg/l
	Exposure time	4 h
	Species	rat
	Method	not specified
N,N-Diethyl-p-toluidine	Value type	Acute toxicity estimate (ATE)
613-48-9	Value	3 mg/l
	Exposure time	
	Species	
	Method	Expert judgement
N,N-dimethyl-o-toluidine	Value type	Acute toxicity estimate (ATE)
609-72-3	Value	1.5 mg/l
	Exposure time	4 h
	Species	
	Method	Expert judgement
methacrylic acid	Value type	LC50
79-41-4	Value	> 3.6 mg/l
	Exposure time	4 h
	Species	rat
	Method	OECD Guideline 403 (Acute Inhalation Toxicity)
methacrylic acid	Value type	Acute toxicity estimate (ATE)
79-41-4	Value	3.61 mg/l
	Exposure time	
	Species	
	Method	Expert judgement

Acute dermal toxicity:

α , α -dimethylbenzyl hydroperoxide	Value type	Acute toxicity estimate (ATE)
80-15-9	Value	1,100 mg/kg
	Species	
	Method	Expert judgement
N,N-Diethyl-p-toluidine	Value type	Acute toxicity estimate (ATE)
613-48-9	Value	300 mg/kg
	Species	
	Method	Expert judgement
N,N-dimethyl-o-toluidine	Value type	Acute toxicity estimate (ATE)
609-72-3	Value	300 mg/kg
	Species	
	Method	Expert judgement
methacrylic acid	Value type	LD50
79-41-4	Value	500 - 1,000 mg/kg
	Species	rabbit
	Method	Dermal Toxicity Screening
methacrylic acid	Value type	Acute toxicity estimate (ATE)
79-41-4	Value	500 mg/kg
	Species	
	Method	Expert judgement

Skin corrosion/irritation:

α, α-dimethylbenzyl hydroperoxide	Result	corrosive
80-15-9	Exposure time	
	Species	rabbit
	Method	Draize Test
N,N-Diethyl-p-toluidine	Result	irritating
613-48-9	Exposure time	4 h
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
methacrylic acid	Result	corrosive
79-41-4	Exposure time	3 min
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

methacrylic acid	Result	corrosive
79-41-4	Exposure time	
	Species	rabbit
	Method	Draize Test

Respiratory or skin sensitization:

methacrylic acid	Result	not sensitising
79-41-4	Test type	Buehler test
	Species	guinea pig
	Method	equivalent or similar to OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity:

α, α-dimethylbenzyl	Result	positive	
hydroperoxide	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)	
80-15-9	Metabolic activation / Exposure time	without	
	Method	OECD Guideline 471 (Bacterial Reverse Mutation Assay)	
α, α-dimethylbenzyl	Result	negative	
hydroperoxide	Type of study / Route of administration	dermal	
80-15-9	Metabolic activation / Exposure time		
	Species	mouse	
	Method	not specified	
methacrylic acid	Result	negative	
79-41-4	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)	
	Metabolic activation / Exposure time	with and without	
	Method	equivalent or similar to OECD Guideline 471 (Bacterial	
		Reverse Mutation Assay)	
methacrylic acid	Result	negative	
79-41-4	Type of study / Route of administration	inhalation	
	Metabolic activation / Exposure time		
	Species	mouse	
	Method	equivalent or similar to OECD Guideline 478 (Genetic	
		Toxicology: Rodent Dominant Lethal Test)	
methacrylic acid	Result	negative	
79-41-4	Type of study / Route of administration	oral: gavage	
	Metabolic activation / Exposure time		
	Species	mouse	
	Method	equivalent or similar to OECD Guideline 474	
		(Mammalian Erythrocyte Micronucleus Test)	

Repeated dose toxicity:

α, α-dimethylbenzyl	Result		
hydroperoxide	Route of application	inhalation: aerosol	
80-15-9	Exposure time / Frequency of treatment	6 h/d5 d/w	
	Species	rat	
	Method	not specified	
methacrylic acid	Result		
79-41-4	Route of application	inhalation	
	Exposure time / Frequency of treatment	90 d6 h/d, 5 d/w	
	Species	rat	
	Method	OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-	
		Day)	

Section 12. Ecological information

Ecotoxicity:

Toxicity:

α, α-dimethylbenzyl hydroperoxide	Value type	LC50
80-15-9	Value	3.9 mg/l
00-13-9	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Oncorhynchus mykiss
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
1' 41 11 1 1 1 '1		
α , α -dimethylbenzyl hydroperoxide	Value type	EC50
80-15-9	Value	18.84 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
α, α-dimethylbenzyl hydroperoxide	Value type	EC50
80-15-9	Value	3.1 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Desmodesmus subspicatus (reported as Scenedesmus subspicatus)
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
	Value type	NOEC
	Value	1 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Desmodesmus subspicatus (reported as Scenedesmus subspicatus)
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
		EC10
α, α-dimethylbenzyl hydroperoxide 80-15-9	Value type	
80-15-9	Value	70 mg/l
	Acute Toxicity Study	Bacteria
	Exposure time	30 min
	Species	not specified
	Method	not specified
N,N-Diethyl-p-toluidine	Value type	LC50
613-48-9	Value	78.62 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Danio rerio
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
N,N-Diethyl-p-toluidine	Value type	EC50
613-48-9	Value	10.34 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
N,N-Diethyl-p-toluidine	Value type	EC50
613-48-9	Value	7.42 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Desmodesmus subspicatus
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
	Value type	EC50
	Value	23.69 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	· ·	Raphidocelis subcapitata (new name: Pseudokirchneriella subcapitata)
	Species	
	Species Method	
N N-dimethyl-o-toluidine	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
	Method Value type	OECD Guideline 201 (Alga, Growth Inhibition Test) LC 50
N,N-dimethyl-o-toluidine 609-72-3	Method Value type Value	OECD Guideline 201 (Alga, Growth Inhibition Test) LC 50 46 mg/l
	Method Value type Value Acute Toxicity Study	OECD Guideline 201 (Alga, Growth Inhibition Test) LC 50 46 mg/1 Fish
N,N-dimethyl-o-toluidine 609-72-3	Method Value type Value Acute Toxicity Study Exposure time	OECD Guideline 201 (Alga, Growth Inhibition Test) LC 50 46 mg/1 Fish 96 h
	Method Value type Value Acute Toxicity Study Exposure time Species	OECD Guideline 201 (Alga, Growth Inhibition Test) LC 50 46 mg/1 Fish
609-72-3	Method Value type Value Acute Toxicity Study Exposure time Species Method	OECD Guideline 201 (Alga, Growth Inhibition Test) LC 50 46 mg/1 Fish 96 h Fathead minnow (Pimephales promelas)
609-72-3 methacrylic acid	Method Value type Value Acute Toxicity Study Exposure time Species Method Value type	OECD Guideline 201 (Alga, Growth Inhibition Test) LC 50 46 mg/1 Fish 96 h Fathead minnow (Pimephales promelas) LC50
609-72-3	Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value	OECD Guideline 201 (Alga, Growth Inhibition Test) LC 50 46 mg/1 Fish 96 h Fathead minnow (Pimephales promelas) LC50 85 mg/1
609-72-3 methacrylic acid	Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study	OECD Guideline 201 (Alga, Growth Inhibition Test) LC 50 46 mg/1 Fish 96 h Fathead minnow (Pimephales promelas) LC50
609-72-3 methacrylic acid	Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value	OECD Guideline 201 (Alga, Growth Inhibition Test) LC 50 46 mg/1 Fish 96 h Fathead minnow (Pimephales promelas) LC50 85 mg/1

	Method	EPA OTS 797.1400 (Fish Acute Toxicity Test)
	Value type	NOEC
	Value	10 mg/l
	Acute Toxicity Study	Fish
	Exposure time	35 d
	Species	Danio rerio
	Method	OECD Guideline 210 (fish early lite stage toxicity test)
methacrylic acid	Value type	EC50
79-41-4	Value	> 130 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test,
		Freshwater Daphnids)
methacrylic acid	Value type	NOEC
79-41-4	Value	8.2 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
	Value type	EC50
	Value	45 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
methacrylic acid	Value type	EC10
79-41-4	Value	100 mg/l
	Acute Toxicity Study	Bacteria
	Exposure time	17 h
	Species	Pseudomonas putida
	Method	DIN 38412, part 8 (Pseudomonas Zellvermehrungshemm-Test)

Persistence and degradability:

α, α-dimethylbenzyl	Result	not readily biodegradable.
hydroperoxide	Route of application	aerobic
80-15-9	Degradability	3 %
	Method	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
N,N-Diethyl-p-toluidine	Result	not readily biodegradable.
613-48-9	Route of application	not specified
	Degradability	1 %
	Method	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))
N,N-dimethyl-o-toluidine	Result	not readily biodegradable.
609-72-3	Route of application	
	Degradability	1 %
	Method	other guideline:
methacrylic acid	Result	readily biodegradable
79-41-4	Route of application	aerobic
	Degradability	86 %
	Method	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
	Result	inherently biodegradable
	Route of application	aerobic
	Degradability	100 %
	Method	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)

Bioaccumulative potential / Mobility in soil:

α, α-dimethylbenzyl	Bioconcentration factor (BCF)	9.1
hydroperoxide	Exposure time	
80-15-9	Species	calculation
	Temperature	
	Method	OECD Guideline 305 (Bioconcentration: Flow-through Fish Test)
α, α-dimethylbenzyl	LogPow	1.6
hydroperoxide	Temperature	25 °C
80-15-9	Method	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC
		Method)

LOCTITE 277 BO50ML EN/CH/JP

N,N-Diethyl-p-toluidine	LogPow	3.7
613-48-9	Temperature	
	Method	QSAR (Quantitative Structure Activity Relationship)
methacrylic acid	LogPow	0.93
79-41-4	Temperature	22 °C
	Method	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake
		Flask Method)

Section 13. Disposal considerations

Product

Method of disposal:

Dispose of in accordance with local and national regulations.

Packaging

Disposal of uncleaned packages:

Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

Section 14. Transport information

Road transport ADR: Not dangerous goods

Railroad transport RID: Not dangerous goods

Inland water transport ADN: Not dangerous goods

Marine transport IMDG: Not dangerous goods

Air transport IATA: Not dangerous goods

Section 15. Regulatory information

Regulatory Information:

Ministry of Industry Notice. The system to classify and communicate the hazard of hazardous material, BE. 2555

Global inventory status:

Regulatory list	Notification
TSCA	yes
DSL	yes
KECI (KR)	yes
ENCS (JP)	yes
ISHL (JP)	yes
IECSC	yes
AIIC	yes
NZIOC	yes
TCSI	yes
PICCS (PH)	yes
EINECS	yes

Section 16. Other information

Disclaimer:

This Safety Data Sheet has been generated based on Ministry of Industry Notice. The system to classify and communicate the hazard of hazardous material, BE. 2555 only. No warranty or representation of any kind is given with respect to the substantive or export laws of any other jurisdiction or country. Please confirm that the information provided herein conforms to the substantive export or other law of any other jurisdiction prior to export. Please contact Henkel Product Safety and Regulatory Affairs for additional assistance.

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