MSDS ATTACHMENT

PLEASE ATTACH THIS COMPLETED SHEET TO THE MSDS FOR:

PRODUCT:

LOCTITE 577

DATE:

(MSDS date)

16/01/2023

1. Manufacturer/Supplier:

PPS Industries Limited

86 Hugo Johnston Drive, Auckland

New Zealand

P.O.Box 12823, Penrose, Auckland 1642

Phone: 64 9 579-1001 Facsimile: 64 9 579-9497

Emergency Phone: 0800 657-894 Website: www.ppsindustries.co.nz

Emergency Information:

National Poison Centre

0800 764-766

Chemcall 24/7 Emergency Response Service :

0800 243-622

13. Disposal Considerations:

Product

Recommendation - Consult local or national regulations to ensure proper disposal.

Packaging

Disposal must be made according to official regulations.

16. Other Information:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.



Safety Data Sheet

Page 1 of 10

SDS No.: 541371

V001.0

Revision: 16.01.2023 printing date: 24.04.2024

LOCTITE 577 TB250ML AU

IDENTIFICATION OF THE MATERIAL AND SUPPLIER **SECTION 1**

Product name:

LOCTITE 577 TB250ML AU

Intended use:

Adhesive

Supplier:

Henkel New Zealand Ltd

2 Allens Rd Auckland, 2013 New Zealand

Phone: +64 (9) 272-6710

Emergency information:

24 HOUR EMERGENCY CONTACT NUMBER 0800 243 622

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classified as hazardous under the New Zealand Hazardous Substances and New Organisms Act (HSNO). Not classified as Dangerous Goods under the Land Transport Rule: Dangerous Goods 2005.

GHS Classification:

Hazard Class

Hazard Category

Target organ

respiratory tract irritation

Skin irritation

Category 2

Serious eye irritation

Category 2A

Skin sensitizer

Category 1

Target Organ Systemic Toxicant -

Single exposure

Category 3

Acute hazards to the aquatic environment

Category 3

Hazard pictogram:

Signal word:

Warning

SDS No.: 541371

V001.0

LOCTITE 577 TB250ML AU

Hazard statement(s):

H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H402 Harmful to aquatic life.

Precautionary Statement(s):

Prevention:

P261 Avoid breathing mist/vapours.

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, eye protection, and face protection.

Response:

P302+P352 IF ON SKIN: Wash with plenty of water.

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.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: 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.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

General chemical description:

Mixture

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
Tetramethylene dimethacrylate	2082-81-7	10- < 20 %
2,2'-Ethylenedioxydiethyl dimethacrylate	109-16-0	1- < 10 %
Ethene, homopolymer	9002-88-4	1- < 10 %
Silica, amorphous, fumed, crystfree	112945-52-5	1- < 10 %
Acetic acid, 2-phenylhydrazide	114-83-0	0.1-< 1 %
α, α-dimethylbenzyl hydroperoxide	80-15-9	0.1- < 1 %
maleic acid	110-16-7	0,1-< 1 %
non hazardous ingredients~		30-<= 60 %

SECTION 4 FIRST AID MEASURES

Ingestion:

Do not induce vomiting.

Have victim rinse mouth thoroughly with water. Seek medical advice, symptomatic treatment.

Skin:

Rinse with running water and soap

Remove contaminated clothing and footwear. If skin irritation persists, call a physician.

Eyes:

Wash with plenty of water immediately and continue for several minutes, holding eyelid

open. Consult a doctor.

Inhalation:

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

SDS No.: 541371

V001.0

LOCTITE 577 TB250ML AU

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

Improper extinguishing media:

Water spray jet

Decomposition products in case of Thermal decomposition may release toxic and/or hazardous gases.

Carbon dioxide.

carbon monoxide Irritating fumes.

Particular danger in case of fire:

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

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.

Ensure adequate ventilation.

Wear adequate personal protective clothing and equipment.

Keep unnecessary personnel away.

Environmental precautions:

Do not allow spill to enter sewage systems or open bodies of 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.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:

Use only in well-ventilated areas.

Avoid breathing vapors or mists of this product.

Avoid skin and eye contact.

Wear suitable protective clothing, safety glasses and gloves.

Conditions for safe 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.

LOCTITE 577 TB250ML AU

V001.0

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace exposure standards:

Ingredient [Regulated substance]	form of exposure	TWA (ppm)	TWA (mg/m3)	Ceiling	STEL (ppm)	STEL (mg/m3)
PARTICULATES NOT OTHERWISE CLASSIFIED, RESPIRABLE DUST 9002-88-4	Respirable dust.		3			,
PARTICULATES NOT OTHERWISE CLASSIFIED, INHALABLE DUST	Inhalable dust.		10			
Particulates not otherwise classified, respirable dust Respirable dust (not otherwise classified) 112945-52-5	Respirable dust.		3			
Particulates not otherwise classified, inhalable dust Inhalable dust (not otherwise classified)	Inhalable dust.		10			

Biological Exposure Indices:

None

Eye protection:

Safety goggles or safety glasses with side shields.

Skin protection:

Use impermeable gloves and protective clothing as necessary to prevent skin contact.

Neoprene gloves.

Butyl rubber gloves.

Natural rubber gloves.

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:

yellow

high viscosity

Odor:

Mild

pH:

Not applicable, Product is non-polar/aprotic.

Melting point / freezing point:

Not available. > 150 °C (> 302 °F)

Boiling point: Flash point:

> 100 °C (> 212 °F)

(no method)
Vapor pressure:

< 0.13 mbar

(; 20 °C (68 °F)) Vapor density:

> 1

Density:

1.15 - 1.2 g/cm3

SECTION 10.

STABILITY AND REACTIVITY

Conditions to avoid:

Extremes of temperature.

SDS No.: 541371

V001.0

LOCTITE 577 TB250ML AU

Incompatible materials:

Reacts with strong oxidants.

Will attack some forms of plastic, rubber, and coatings.

Hazardous decomposition

products:

Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

carbon monoxide carbon dioxide

SECTION 11 TOXICOLOGICAL INFORMATION

Health Effects:

Ingestion:

Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

May cause allergic skin reaction.

Skin: Eyes:

Causes skin irritation. Causes eye irritation.

Inhalation:

Inhalation of product mist may cause irritation of the nose, throat, and respiratory tract.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Tetramethylene dimethacrylate 2082-81-7	LD50 LD50	10,066 mg/kg > 3,000 mg/kg	oral dermal		rat rabbit	equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity) not specified
2,2'-Ethylenedioxydiethyl dimethacrylate 109-16-0	LD50 Acute toxicity estimate (ATE) Acute toxicity estimate (ATE)	10,837 mg/kg 28.17 mg/l > 5,000 mg/kg	oral inhalation dermal		rat	not specified Expert judgement Expert judgement
Ethene, homopolymer 9002-88-4	Acute toxicity estimate (ATE) Acute toxicity estimate (ATE) Acute toxicity estimate (ATE) Acute toxicity estimate (ATE)	> 5,000 mg/kg > 5 mg/l > 5,000 mg/kg	oral inhalation dermal	4 h		Expert judgement Expert judgement Expert judgement
Silica, amorphous, fumed, crystfree 112945-52-5	LD50 LC0 LD50	> 5,000 mg/kg 0.139 mg/l > 2,000 mg/kg	oral inhalation dermal	4 h	rat rat rabbit	OECD Guideline 401 (Acute Oral Toxicity) not specified OECD Guideline 402 (Acute Dermal Toxicity)
Acetic acid, 2- phenylhydrazide 114-83-0	LD50	270 mg/kg	oral		rat	not specified
α, α-dimethylbenzyl hydroperoxide 80-15-9	LD50 LC50 Acute toxicity estimate (ATE)	382 mg/kg 1,370 mg/l 1,100 mg/kg	oral inhalation dermal	4 h	rat rat	other guideline: not specified Expert judgement
maleic acid 110-16-7	LD50 LD50	708 mg/kg 1,560 mg/kg	oral dermal		rat rabbit	not specified not specified

SDS No.: 541371 V001.0

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
2,2'-Ethylenedioxydiethyl dimethacrylate 109-16-0	not irritating	24 h	rabbit	Draize Test
Silica, amorphous, fumed, crystfree 112945-52-5	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
α, α-dimethylbenzyl hydroperoxide 80-15-9	corrosive		rabbit	Draize Test
maleic acid 110-16-7	irritating	24 h	human	Patch Test

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
2,2'-Ethylenedioxydiethyl dimethacrylate 109-16-0	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Ethene, homopolymer 9002-88-4	not irritating	24 h	rabbit	FDA Guideline
Silica, amorphous, fumed, crystfree 112945-52-5	not irritating		rabbit	OECD Guideline 405 (Acute Bye Irritation / Corrosion)
maleic acid 110-16-7	highly irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Tetramethylene dimethacrylate 2082-81-7	sensitising	Mouse local lymphnod e assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
2,2'-Ethylenedioxydiethyl dimethacrylate 109-16-0	sensitising	Mouse local lymphnod e assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
Ethene, homopolymer 9002-88-4	not sensitising	Mouse local lymphnod e assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
maleic acid 110-16-7	sensitising	Mouse local lymphnod e assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
maleic acid 110-16-7	sensitising	Mouse local lymphnod e assay (LLNA)	guinea pig	OECD Guideline 406 (Skin Sensitisation)

V001.0

SDS No.: 541371

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Tetramethylene dimethacrylate 2082-81-7	negative negative positive	in vitro mammalian chromosome aberration test bacterial reverse mutation assay (e.g Ames test) in vitro mammalian chromosome aberration test	with and without with and without with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
2,2'-Ethylenedioxydiethyl dimethacrylate 109-16-0	negative negative negative	mammalian cell gene mutation assay bacterial reverse mutation assay (e.g Ames test) in vitro mammalian cell micronucleus test	with and without with and without with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 487 (In vitro Mammalian Cell Micronucleus Test)
Ethene, homopolymer 9002-88-4	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		Ames Test
Silica, amorphous, fumed, crystfree 112945-52-5	negative negative negative	bacterial reverse mutation assay (e.g Ames test) in vitro mammalian chromosome aberration test DNA damage and repair assay, unscheduled DNA synthesis in mammalian cells in vitro			not specified not specified not specified
α, α-dimethylbenzyl 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
maleic acid 110-16-7	negative negative	bacterial reverse mutation assay (e.g Ames test) mammalian cell gene mutation assay	no data with and without		Ames Test OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)

Repeated dose toxicity:

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
2,2'-Ethylenedioxydiethyl dimethacrylate 109-16-0	NOAEL=1,000 mg/kg	oral: gavage	daily	rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
α, α-dimethylbenzyl hydroperoxide 80-15-9		inhalation: aerosol	6 h/d5 d/w	rat	not specified
maleic acid 110-16-7	NOAEL=>= 40 mg/kg	oral: feed	90 ddaily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

SECTION 12.

ECOLOGICAL INFORMATION

SDS No.: 541371 V001.0

General ecological information:

Do not empty into drains / surface water / ground water., Cured Loctite products are typical polymers and do not pose any immediate environmental hazards.

Toxicity:

Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
LC50	32.5 mg/l	Fish	48 h		DIN 38412-15
EC50	9.79 mg/l	Algae	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth
NOEC	2.11 mg/l	Algae	72 h	Desmodesmus subspicatus	Inhibition Test) OECD Guideline 201 (Alga, Growth
NOEC	20 mg/l	Bacteria	28 d	activated sludge, domestic	Inhibition Test) not specified
LC50	16.4 mg/l	Fish	96 h	Danio rerio	OECD Guideline 203 (Fish, Acute
EC50	> 100 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	Toxicity Test) OECD Guideline 201 (Alga, Growth
NOEC	18.6 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	Inhibition Test) OECD Guideline 201 (Alga, Growth
LC50	> 100 mg/l	Fish	96 h	Leuciscus idus	Inhibition Test) OECD Guideline 203 (Fish, Acute
EC0	> 1,000 mg/l	Bacteria	3 h	not specified	Toxicity Test) OECD Guideline 209 (Activated
					Sludge, Respiration Inhibition Test)
LC50	$> 10,000 \mathrm{\ mg/l}$	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	OECD Guideline 203 (Fish, Acute
LC50	3.9 mg/l	Fish	96 h	Oncorhynchus mykiss	Toxicity Test) OECD Guideline 203 (Fish, Acute
EC50	18.84 mg/l	Daphnia	48 h	Daphnia magna	Toxicity Test) OECD Guideline 202 (Daphnia sp. Acute
					Immobilisation
EC50	3.1 mg/l	Algae	72 h	Desmodesmus subspicatus (reported as Scenedesmus	Test) OECD Guideline 201 (Alga, Growth
NOEC	1 mg/l	Algae	72 h	Desmodesmus subspicatus (reported as Scenedesmus	Inhibition Test) OECD Guideline 201 (Alga, Growth
EC10	70 mg/l	Bacteria	30 min	subspicatus) not specified	Inhibition Test) not specified
LC50	> 245 mg/l	Fish	48 h	Leuciscus idus	DIN 38412-15
EC50	42.81 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp.
EC50	74.35 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	Acute Immobilisation Test) OECD Guideline 201 (Alga, Growtl
EC10	11.8 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	201 (Alga, Growtl
EC10	44.6 mg/l	Bacteria	18 h	Pseudomonas putida	Inhibition Test) DIN 38412, part 8 (Pseudomonas
	type	type LC50	type Toxicity Study LC50 32.5 mg/l Fish EC50 9.79 mg/l Algae NOEC 2.11 mg/l Algae NOEC 20 mg/l Bacteria LC50 16.4 mg/l Fish EC50 > 100 mg/l Algae NOEC 18.6 mg/l Algae LC50 > 100 mg/l Fish EC0 > 1,000 mg/l Fish LC50 3.9 mg/l Fish EC50 18.84 mg/l Daphnia EC50 3.1 mg/l Algae NOEC 1 mg/l Algae EC10 70 mg/l Bacteria LC50 > 245 mg/l Fish EC50 42.81 mg/l Daphnia EC50 74.35 mg/l Algae EC10 11.8 mg/l Algae	type Toxicity Study time Study LC50 32.5 mg/l Fish 48 h EC50 9.79 mg/l Algae 72 h NOEC 2.11 mg/l Algae 72 h NOEC 20 mg/l Bacteria 28 d LC50 16.4 mg/l Fish 96 h EC50 > 100 mg/l Algae 72 h NOEC 18.6 mg/l Algae 72 h LC50 > 100 mg/l Fish 96 h EC0 > 1,000 mg/l Fish 96 h LC50 3.9 mg/l Fish 96 h LC50 3.9 mg/l Fish 96 h EC50 18.84 mg/l Daphnia 48 h EC50 3.1 mg/l Algae 72 h NOEC 1 mg/l Algae 72 h EC10 70 mg/l Bacteria 30 min LC50 >245 mg/l Fish 48 h EC50 42.81 mg/l Daphnia 48 h	Toxicity Study Execution Commonstrates Commonstrates

LOCTITE 577 TB250ML AU

V001.0

SDS No.: 541371

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Tetramethylene dimethacrylate 2082-81-7	readily biodegradable	aerobic	84 %	OECD Guideline 310 (Ready BiodegradabilityCO2 in Sealed Vessels (Headspace Test)
2,2'-Ethylenedioxydiethyl dimethacrylate 109-16-0	readily biodegradable	aerobic	85 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Ethene, homopolymer 9002-88-4	not readily biodegradable.	aerobic	1 %	ISO 10708 (BODIS-Test)
α, α-dimethylbenzyl hydroperoxide 80-15-9	not readily biodegradable.	aerobic	3 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
maleic acid 110-16-7	readily biodegradable	aerobic	97.08 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Tetramethylene dimethacrylate 2082-81-7	3.1					OECD Guideline 117 (Partition Coefficient (noctanol / water), HPLC Method)
2,2'-Ethylenedioxydiethyl dimethacrylate 109-16-0	2.3	,				OECD Guideline 117 (Partition Coefficient (n- octanol / water), HPLC Method)
Acetic acid, 2- phenylhydrazide 114-83-0	0.74	,				not specified
α, α-dimethylbenzyl hydroperoxide 80-15-9		9.1		calculation		OECD Guideline 305 (Bioconcentration: Flow- through Fish Test)
a, α-dimethylbenzyl hydroperoxide 80-15-9	1.6				25 °C	OECD Guideline 117 (Partition Coefficient (n- octanol / water), HPLC Method)
maleic acid 110-16-7	-1.3				20 °C	OECD Guideline 107 (Partition Coefficient (noctanol / water), Shake Flask Method)

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

Dangerous Goods information:

Land Transport:

Not classified as Dangerous Goods under the Land Transport Rule: Dangerous Goods 2005.

Marine transport IMDG:

Not dangerous goods

V001.0

Air transport IATA: Not dangerous goods

SECTION 15.

REGULATORY INFORMATION

New Zealand regulatory information:

Classified as hazardous under the New Zealand Hazardous Substances and New Organisms Act (HSNO).

HSNO Approval Number:

HSR002670

NZIoC:

Compliant for NZIOC

SECTION 16.

OTHER INFORMATION

Abbreviations/acronyms:

HSNO - Hazardous Substances and New Organisms

CAS: Chemical Abstracts Service GHS: Globally Harmonized System

IMDG: International Maritime Dangerous Goods code

Reason for issue:

First issue. involved chapters: 1-16

Disclaimer:

The percentage weight (% w/w) of ingredients is not to be taken as a specification guaranteed by Henkel New Zealand Limited, but only as an approximate guide to the content of hazardous ingredients in the material. The information contained herein does not constitute a guarantee by Henkel New Zealand Limited concerning the properties of the material

The information contained in this Safety Data Sheet is offered in good faith and has been developed from what is believed to be accurate and reliable sources. The information is offered without warranty, representation, inducement or licence and Henkel New Zealand Limited assumes no legal responsibility for reliance upon same. Henkel New Zealand Limited disclaims any liability for loss, injury or damage incurred in connection with the use of the material or its associated Safety Data Sheet.

This information is not to be construed as a representation that the material is suitable for any particular purpose or use except those conditions and warranties implied by Government statutes. Customers are encouraged to make their own enquiries as to the material's characteristics and, where appropriate, to conduct their own tests in the specific context of the material's intended use.

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.