



Safety Data Sheet

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LOCTITE 55 40X160M EN

SDS No. : 168432

V001.4

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SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: LOCTITE 55 40X160M EN

Intended use: Adhesive

Supplier:
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SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not 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:

No classification required.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

General chemical description: Mixture
Type of preparation: Coated Nylon Thread

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
Limestone	1317-65-3	30- < 50 %
Talc	14807-96-6	1- < 10 %
Non-hazardous ingredients~		remainder up to 100%

SECTION 4 FIRST AID MEASURES

Ingestion:	In case of adverse health effects seek medical advice.
Skin:	Rinse with running water and soap.
Eyes:	None expected.
Inhalation:	No specific treatment is necessary since material is not likely to be hazardous by inhalation.
First Aid facilities:	Normal washroom facilities
Medical attention and special treatment:	Treat symptomatically and supportively.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	water, carbon dioxide, foam, powder
Improper extinguishing media:	None known
Decomposition products in case of fire:	carbon oxides.
Particular danger in case of fire:	None
Special protective equipment for fire-fighters:	Keep unnecessary personnel away. Wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	See advice in section 8
Environmental precautions:	No special environmental precautions required.
Clean-up methods:	Dispose of contaminated material as waste according to Section 13.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:	No particular measures required.
Conditions for safe storage:	Refer to Technical Data Sheet. Store in a cool, dry place. Keep container tightly sealed. Storage at -20 to 50°C is recommended.

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)
Limestone(Calcium carbonate) 1317-65-3		10		-	-	-
TALC (CONTAINING NO ASBESTOS FIBRES), RESPIRABLE DUST 14807-96-6	Respirable dust.		2	-	-	-

Biological Exposure Indices:

None

Engineering controls: Ensure good ventilation/extraction.

Eye protection: None required in normal use.

Skin protection: Suitable protective gloves.

Respiratory protection: Ensure adequate ventilation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Opaque solid
Odor:	Mineral-oil-like
pH:	Not applicable, Product is non-polar/aprotic.
Melting point / freezing point:	Not applicable, Determination technically not possible
Specific gravity:	1.25
Boiling point:	> 150 °C (> 302 °F)
Flash point: (Closed cup)	> 93 °C (> 199.4 °F)
Vapor pressure: (; 20 °C (68 °F))	< 0.13 mbar
Vapor density:	Not applicable, Product is a solid
Solubility in water:	Partially soluble (23 °C)
Viscosity (dynamic):	(; 20 °C (68 °F))11,000 cp(; 120 °C (248 °F))
VOC content (2010/75/EC)	0.0 % (VOCV 814.018 VOC regulation CH)
VOC content:	1 % 12.75 g/l

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Conditions to avoid: Stable

Incompatible materials: Oxidizing agents.
Heat, sunlight, UV light, contamination or an oxygen free atmosphere.

Hazardous decomposition products: carbon oxides.

Hazardous polymerization: Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Health Effects:
Ingestion: Not expected to be harmful by ingestion.
Skin: May cause skin irritation.
Eyes: May cause irritation.
Inhalation: Not expected under normal conditions of use.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Limestone 1317-65-3	LD50 LC50 LD50	> 2,000 mg/kg > 3 mg/l > 2,000 mg/kg	oral inhalation dermal	4 h	rat rat rat	OECD Guideline 420 (Acute Oral Toxicity) OECD Guideline 403 (Acute Inhalation Toxicity) OECD Guideline 402 (Acute Dermal Toxicity)
Talc 14807-96-6	LD50 LC50 LD50	> 5,000 mg/kg > 2.1 mg/l > 2,000 mg/kg	oral inhalation dermal	4 h	rat rat rat	OECD Guideline 423 (Acute Oral toxicity) OECD Guideline 403 (Acute Inhalation Toxicity) OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Limestone 1317-65-3	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Talc 14807-96-6	slightly irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Limestone 1317-65-3	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Talc 14807-96-6	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Limestone 1317-65-3	not sensitising	Mouse local lymph node assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
Talc 14807-96-6	not sensitising	Guinea pig maximisation 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
Limestone 1317-65-3	negative negative negative	bacterial reverse mutation assay (e.g Ames test) in vitro mammalian chromosome aberration test mammalian cell gene mutation assay	with and without with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Talc 14807-96-6	negative negative	bacterial reverse mutation assay (e.g Ames test) in vitro mammalian cell transformation assay	with and without without		equivalent or similar to OECD Guideline 471 (Bacterial Reverse Mutation Assay) equivalent or similar to OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Talc 14807-96-6	negative	oral: gavage		rat	equivalent or similar to 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
Limestone 1317-65-3	NOAEL=1,000 mg/kg	oral: gavage	48 ddaily	rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
Talc 14807-96-6	NOAEL=100 mg/kg	oral: feed	101 d7 d/w	rat	equivalent or similar to OECD Guideline 452 (Chronic Toxicity Studies)

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
Limestone 1317-65-3	LC50	Toxicity > Water solubility	Fish	96 h	Oncorhynchus mykiss	not specified
Limestone 1317-65-3	EC50	Toxicity > Water solubility	Daphnia	48 h	Daphnia magna	not specified
Limestone 1317-65-3	EC50	Toxicity > Water solubility	Algae	72 h	Desmodesmus subspicatus	not specified
Limestone 1317-65-3	EC50	Toxicity > Water solubility > 1,000 mg/l	Bacteria	3 h	activated sludge of a predominantly domestic sewage	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Talc 14807-96-6	LC50	Toxicity > Water solubility	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	OECD Guideline 203 (Fish, Acute Toxicity Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Talc 14807-96-6	-9.4				25 °C	QSAR (Quantitative Structure Activity Relationship)

SECTION 13. DISPOSAL CONSIDERATIONS

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

Air transport IATA:

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

New Zealand regulatory information:

Not classified as hazardous under the New Zealand Hazardous Substances and New Organisms Act (HSNO).

SECTION 16.

OTHER INFORMATION

Abbreviations/acronyms:

CAS: Chemical Abstracts Service
GHS: Globally Harmonized System
HSNO: Hazardous Substances and New Organisms
IATA : International Air Transport Association – Dangerous Goods Regulations
IMDG: International Maritime Dangerous Goods code
LC 50: Lethal Concentration 50%
LD 50: Lethal Dose 50%
STEL - Short term exposure limit
TWA - Time weighted average

Reason for issue:

Reviewed MSDS. Reissued with new date. involved chapters: 1 - 16

Date of previous issue:

04.01.2022

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.

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