



Safety Data Sheet

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Loctite® Vinyl, Fabric and Plastic Adhesive

SDS No. : 252842

V001.0

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SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: Loctite® Vinyl, Fabric and Plastic Adhesive

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).

Classified as Dangerous Goods under the Land Transport Rule: Dangerous Goods 2005.

GHS Classification:

Hazard Class

Flammable liquids

Serious eye irritation

Target Organ Systemic Toxicant -

Single exposure

Hazard Category

Category 2

Category 2A

Category 3

Target organ

Central nervous system

Hazard pictogram:



Signal word:

Danger

Hazard statement(s):	H225 Highly flammable liquid and vapor. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.
Precautionary Statement(s):	
Prevention:	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion-proof electrical/ventilating/lighting equipment. P242 Use non-sparking tools. P243 Take action to prevent static discharges. P261 Avoid breathing mist/vapours. P264 Wash hands thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response:	P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. 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. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
Storage:	P403+P233 Store in a well-ventilated place. Keep container tightly closed. P403+P235 Store in a well-ventilated place. Keep cool. 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

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
Butanone	78-93-3	70- < 90 %
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7	0.1- < 1 %

SECTION 4 FIRST AID MEASURES

Ingestion:	Do not induce vomiting. Have victim rinse mouth thoroughly with water. Seek medical advice.
Skin:	Rinse with running water and soap. Seek medical advice.
Eyes:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical advice.
Inhalation:	Move to fresh air. Keep warm and in a quiet place. Seek medical advice.

Medical attention and special treatment: Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Water spray (fog), foam, dry chemical or carbon dioxide.

Improper extinguishing media: High pressure waterjet

Decomposition products in case of fire: Thermal decomposition can lead to release of irritating gases and vapors.
Carbon monoxide.
Carbon dioxide.

Particular danger in case of fire: WARNING FLAMMABLE!
Vapors may form explosive mixtures with air.

Special protective equipment for fire-fighters: Wear full protective clothing.
Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).

Additional fire fighting advice: Cool endangered containers with water spray jet.
Collect contaminated fire fighting water separately. It must not enter drains.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Keep away from sources of ignition.
Ensure adequate ventilation.
Avoid skin and eye contact.
Wear appropriate personal protective equipment.

Environmental precautions: Do not empty into drains / surface water / ground water.

Clean-up methods: Soak up with inert absorbent.
Use noncombustible absorbent material such as sand.
Dispose of contaminated material as waste according to Section 13.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling: Ventilate working rooms thoroughly. Avoid naked flames, sparking and sources of ignition. Switch off electrical devices. Do not smoke, do not weld. Do not empty waste into waste water drains.
Take measures to prevent the build-up of electrostatic charges.
Wear suitable protective clothing, gloves and eye/face protection.

Conditions for safe storage: Store in sealed original container.
Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
Do not expose to direct sunlight.
Refer to AS 1940: The Storage and Handling of Flammable and Combustible Liquids.

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)
METHYL ETHYL KETONE 78-93-3		150	445	-	-	-
METHYL ETHYL KETONE		-	-	-	300	890

Biological Exposure Indices:

Ingredient [Regulated substance]	Parameters	Biological specimen	Sampling time	Conc.	Basis of biol. exposure index	Remark	Additional Information
Butanone 78-93-3 [METHYL ETHYL KETONE (MEK)]	methyl ethyl ketone	Urine	Sampling time: End of shift.	2 mg/l	NZ BEI		

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Cream
	Liquid
Odor:	Ketone
Specific gravity:	1.101
Flash point:	-9 - -7 °C (15.8 - 19.4 °F)
(Supplier method)	
Solubility in water:	Insoluble (23 °C)

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Conditions to avoid:	Heat, flames, sparks and other sources of ignition.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide. Carbon dioxide.

SECTION 11 TOXICOLOGICAL INFORMATION**Acute toxicity:**

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Butanone 78-93-3	LD50	2,737 mg/kg	oral	4 h	rat	not specified
	LC50	> 20 mg/l	inhalation		rat	not specified
	LD50	> 6,400 mg/kg	dermal		rabbit	not specified
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate 41556-26-7	LD50	2,369 - 3,920 mg/kg	oral		rat	not specified

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Butanone 78-93-3	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Butanone 78-93-3	irritating		rabbit	equivalent or similar to OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Butanone 78-93-3	not sensitising	Buehler test	guinea pig	equivalent or similar to 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
Butanone 78-93-3	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 not applicable with and 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) equivalent or similar to OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Butanone 78-93-3	negative	intraperitoneal		mouse	equivalent or similar to OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

Repeated dose toxicity:

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Butanone 78-93-3	NOAEL=2500 ppm	inhalation	90 days 6 hours/day, 5 days/week	rat	not specified
Butanone 78-93-3	LOAEL=5000 ppm	inhalation	90 days 6 hours/day, 5 days/week	rat	not specified

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
Butanone 78-93-3	LC50	3,220 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Butanone 78-93-3	EC50	5,091 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Butanone 78-93-3	EC50	2,029 mg/l	Algae	96 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Butanone 78-93-3	EC10	1,289 mg/l	Algae	96 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Butanone 78-93-3	EC50	1,150 mg/l	Bacteria	16 h	Pseudomonas putida	DIN 38412, part 8 (Pseudomonas Zellvermehrungshe- mm-Test)
Bis(1,2,2,6,6-pentamethyl-4- piperidyl) sebacate 41556-26-7	LC50	0.9 mg/l	Fish	96 h	Danio rerio	OECD Guideline 203 (Fish, Acute Toxicity Test)
Bis(1,2,2,6,6-pentamethyl-4- piperidyl) sebacate 41556-26-7	NOEC	0.22 mg/l	Algae	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth Inhibition Test)
Bis(1,2,2,6,6-pentamethyl-4- piperidyl) sebacate 41556-26-7	EC50	1.68 mg/l	Algae	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth Inhibition Test)
Bis(1,2,2,6,6-pentamethyl-4- piperidyl) sebacate 41556-26-7	EC50	> 100 mg/l	Bacteria	3 h	not specified	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Butanone 78-93-3	readily biodegradable	aerobic	98 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Bis(1,2,2,6,6-pentamethyl-4- piperidyl) sebacate 41556-26-7	not readily biodegradable.	aerobic	38 %	OECD Guideline 301 E (Ready biodegradability: Modified OECD Screening Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
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Butanone 78-93-3	0.3				40 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate 41556-26-7		< 31.4	56 d	Cyprinus carpio		other guideline:
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate 41556-26-7	> 2.37 - 2.77				25 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal of product: In consultation with the responsible local authority, must be subjected to special treatment.

Disposal for uncleaned package: Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

SECTION 14. TRANSPORT INFORMATION**Dangerous Goods information:****Land Transport:**

Classified as Dangerous Goods under the Land Transport Rule: Dangerous Goods 2005.

Land Transport:

UN no.: 1133
Proper shipping name: ADHESIVES
Class or division: 3
Packing group: II

Marine transport IMDG:

UN no.: 1133
Proper shipping name: ADHESIVES
Class or division: 3
Packing group: II
EmS: F-E ,S-D
Seawater pollutant: -

Air transport IATA:

UN no.: 1133
Proper shipping name: Adhesives
Class or division: 3
Packing group: II
Packing instructions (passenger) 353
Packing instructions (cargo) 364

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: HSR002662

NZIoC: Compliant for NZIOC

SECTION 16. OTHER INFORMATION

Abbreviations/acronyms:

STEL - Short term exposure limit
TWA - Time weighted average
HSNO - Hazardous Substances and New Organisms
CAS: Chemical Abstracts Service

Disclaimer:

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