



Safety Data Sheet

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LOCTITE 242 250ML 2/CASE M/L

MSDS-No. : 150233
V001.3

Revision: 04.05.2012
printing date: 09.07.2012

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

Product name: LOCTITE 242 250ML 2/CASE M/L

Identification of manufacturer, importer or distributor

Importer: Henkel Malaysia Sdn Bhd 46th Floor, Menara TM, Jalan Pantai Baharu, 59200 Kuala Lumpur, Malaysia. Phone : + 603 22461000 Fax : + 60322461188

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

Section 2. Composition / information on ingredients

General chemical description:

Anaerobic Sealant

Declaration of ingredients:

Hazardous components CAS-No.	EINECS	content	Classification
Cumene hydroperoxide 80-15-9	201-254-7	1 - 10 %	T - Toxic; R23 Xn - Harmful; R21/22, R48/20/22 O - Oxidizing; R7 C - Corrosive; R34 N - Dangerous for the environment; R51/53
Cumene 98-82-8	202-704-5	0,1 - 1 %	R10 Xn - Harmful; R65 Xi - Irritant; R37 N - Dangerous for the environment; R51/53

Section 3. Hazards identification

Hazard classification: Xi - Irritant

Risk phrases: R36/37 Irritating to eyes and respiratory system.

Section 4. First aid measures

Inhalation: Should not be a problem as product is of low volatility. However, if feeling unwell remove patient to fresh air.

Skin contact: Wash skin with water
In case of adverse health effects seek medical advice.

Eye contact: Flush eyes with plenty of water for at least 5 minutes. If irritation persists seek medical attention.

Ingestion: Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting.
In case of adverse health effects seek medical advice.

Section 5. Fire fighting measures

Suitable extinguishing media: Foam, extinguishing powder, carbon dioxide.

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

Combustion behaviour: Non flammable product (flash point is greater than 100°C (CC))

Section 6. Accidental release measures

Personal precautions: Ensure adequate ventilation.

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

Handling: Use only in well-ventilated areas.
Gloves and safety glasses should be worn
Prolonged or repeated skin contact should be avoided to minimise any risk of sensitisation.

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.

Section 8. Exposure controls / personal protection

Components with specific control parameters for workplace:

Ingredient	Type	ppm	mg/m ³	Remarks
CUMENE 98-82-8	Time Weighted Average (TWA):	50		ACGIH

Respiratory protection: Use only in well-ventilated areas.

Hand protection: In circumstances where there is a potential for prolonged or repeated skin contact, the use of polyvinyl chloride or nitrile rubber gauntlets or equivalent solvent resistant gloves is recommended.

Eye protection: Wear protective glasses.

Body protection: Wear suitable protective clothing.

Hygienic measures: Good industrial hygiene practices should be observed.

Section 9. Physical and chemical properties

Appearance: blue
liquid

Odor: mild

Specific gravity: 1,1

pH: Not available.

Boiling point: > 149 °C (> 300.2 °F)

Flash point: > 93,3 °C (> 199.94 °F)
(Tagliabue closed cup)

Vapor pressure: < 6,67 mbar
(; 27 °C (80.6 °F))

Density: 1,1 g/cm³
Solubility: Solvent: Water, Slight
 Solvent: Acetone, Not available.
VOC content (1999/13/EC) < 3 %

Section 10. Stability and reactivity

Conditions to avoid: Stable under normal conditions of storage and use.
Materials to avoid: None if used for intended purpose.
Hazardous decomposition products: No decomposition if used according to specifications.

Section 11. Toxicological information

Oral toxicity: This material is considered to have low toxicity if swallowed., May cause irritation to the digestive tract.
Inhalative toxicity: Irritating to respiratory system
Skin irritation: Although it is not a common sensitizer there may be a risk of sensitization on prolonged or repeated contact with damaged skin
Eye irritation: Irritating to eyes.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Cumene hydroperoxide 80-15-9	LD50	550 mg/kg	oral	4 h	rat	
	LC50	220 ppm	inhalation		rat	
	LD50	500 mg/kg	dermal		rat	

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Cumene hydroperoxide 80-15-9	corrosive		rabbit	

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Cumene hydroperoxide 80-15-9	positive	bacterial reverse mutation assay (e.g Ames test)	without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Cumene hydroperoxide 80-15-9	negative	dermal		mouse	

Section 12. Ecological information

Mobility: Cured adhesives are immobile.
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
Cumene hydroperoxide 80-15-9	LC50	3,9 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Cumene hydroperoxide 80-15-9	EC50	18 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Cumene hydroperoxide 80-15-9	ErC50	3,1 mg/l	Algae	72 h	Pseudokirchnerella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Cumene 98-82-8	LC50	4,8 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Cumene 98-82-8	EC50	4 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Cumene 98-82-8	EC50	2,6 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Cumene hydroperoxide 80-15-9			18 %	OECD Guideline 301 E (Ready biodegradability: Modified OECD Screening Test)
Cumene 98-82-8		aerobic	86 %	

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Cumene hydroperoxide 80-15-9		9,1		calculation		OECD Guideline 305 (Bioconcentration: Flow-through Fish Test)
Cumene hydroperoxide 80-15-9	2,16					
Cumene 98-82-8		35,5		Carassius auratus		OECD Guideline 305 (Bioconcentration: Flow-through Fish Test)
Cumene 98-82-8	3,55				23 °C	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.
Contribution of this product to waste is very insignificant in comparison to article in which it is used

Packaging**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

General information:

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

Section 15. Regulations - classification and identification

Indication of danger: Xi - Irritant

Risk phrases: R36/37 Irritating to eyes and respiratory system.

Safety phrases: S23 Do not breathe vapour.
S25 Avoid contact with eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S51 Use only in well-ventilated areas.

Global inventory status:

Regulatory list	Notification
TSCA	yes
AICS	yes
DSL	yes
KECI (KR)	yes
PICCS (PH)	yes
INV (CN)	yes
NZIOC	yes

Section 16. Other information

Issue date: 09.07.2012

Disclaimer This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties. This safety data sheet was prepared in accordance with Council Directive 67/548/EEC and its subsequent amendments, and Commission Directive 1999/45/EC.