Safety Data Sheet

HIGH STRENGTH THREADLOCKER STICK 268

MSDS-No. : 153641
V001.3
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Section 1. Identification of the substance/preparation and of the company/undertaking

Product name: HIGH STRENGTH THREADLOCKER STICK 268

Intended use: Threadlocker

Supplier:
Henkel Australia Pty Ltd
135-141 Canterbury Road
Kilsyth, Victoria, 3137
Australia

Phone: +61 (3) 9724 6444

Emergency information: 24 HOUR EMERGENCY CONTACT NUMBER 03 9724 6556

Section 2. Hazards identification

Classification of the substance or mixture
Hazardous according to the criteria of ASCC.

GHS Classification:

Hazard Class	Hazard Category
Skin irritation	Category 2
Serious eye irritation	Category 2
Skin sensitizer	Category 1

Hazard pictogram:

Signal word: Warning

Hazard statement(s):
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Precautionary Statement(s):

Prevention:
P261 Avoid breathing dust/fume/vapours.
P264 Wash skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/eye protection.

Response:
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical attention.
P337+P313 If eye irritation persists: Get medical attention.
P362 Take off contaminated clothing.

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.

Classification of material Xi - Irritant

Risk phrases:
R36/38 Irritating to eyes and skin.
R43 May cause sensitisation by skin contact.

Safety phrases:
S24/25 Avoid contact with skin and eyes.
S37/39 Wear suitable gloves and eye/face protection.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Dangerous Goods information:
Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

Section 3. Composition / information on ingredients

General chemical description: Mixture

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
2-Propenoic acid, 2-methyl-, (1-methylethylidene)	24448-20-2	30- <= 60 %
Cumene	98-82-8	< 1 %
non hazardous ingredients~		60- <= 100 %

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:
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.

First Aid facilities:
Eye wash and safety shower
Normal washroom facilities

Medical attention and special treatment: Treat symptomatically and supportively.

Section 5. Fire fighting measures

Suitable extinguishing media: Carbon dioxide, foam, powder
Fine water spray

Improper extinguishing media: None known

Decomposition products in case of fire:: Thermal decomposition may release toxic and/or hazardous gases.
carbon monoxide
Carbon dioxide.
Oxides of nitrogen.
Oxides of sulfur.

Particular danger in case of fire:: In case of fire, keep containers cool with water spray.

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

Section 6. Accidental release measures

Personal precautions: Avoid skin and eye contact.
Ensure adequate ventilation.
Wear protective equipment.

Environmental precautions: Waste disposal with the approval of the responsible local authority.

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 skin and eye contact.
Gloves and safety glasses should be worn
Prolonged or repeated skin contact should be avoided to minimise any risk of sensitisation.

Conditions for safe storage: Ensure good ventilation/extraction.
Store in a cool, well-ventilated place.
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.

Unsuitable materials with product: plastic

Section 8. Exposure controls / personal protection

National exposure standards:

Ingredient	form of exposure	TWA (ppm)	TWA (mg/m3)	Peak Limit. (ppm)	Peak Limit. (mg/m3)	STEL (ppm)	STEL (mg/m3)
CUMENE 98-82-8		25	125	-	-	-	-
CUMENE 98-82-8		-	-	-	-	75	375

Engineering controls:	No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed occupational exposure limits.
Eye protection:	Wear protective glasses.
Skin protection:	Wear suitable protective clothing. The use of chemical resistant gloves such as Nitrile is recommended. Please note that in practice the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed then the gloves should be replaced.
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:	red wax
Odor:	mild
Specific gravity:	1.0687
Boiling point:	> 149 °C (> 300.2 °F)
Vapor pressure: (; 20 °C (68 °F))	< 6.67 mbar
Density:	1.07 g/cm3
VOC content: (1999/13/EC)	< 3 %

Section 10. Stability and reactivity

Stability:	Stable under normal conditions of temperature and pressure.
Conditions to avoid:	Keep away from heat, ignition sources and incompatible materials.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	Thermal decomposition can lead to release of irritating gases and vapors. carbon monoxide Carbon dioxide. Oxides of sulfur. Oxides of nitrogen.
Hazardous polymerization:	None under normal processing. Polymerization may occur at elevated temperature or in the presence of incompatible materials.
Hazardous polymerization:	Will not occur.

Section 11. Toxicological information

Health Effects:

Ingestion: May cause gastrointestinal disturbances such as headache nausea, vomiting, abdominal pain, and diarrhea, with delayed effects of skin redness and peeling.

Skin: This product is irritating to the skin.
May cause an allergic skin reaction.

Eyes: Causes serious eye irritation.
Symptoms may include severe irritation, pain, tearing, blurred vision.

Inhalation: May cause respiratory tract irritation.
Inhalation of product mist may cause mucous membrane irritation.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Cumene 98-82-8	LD50 LD50	2,910 mg/kg 12,300 mg/kg	oral dermal		rat rabbit	

Section 12. Ecological information

General ecological information: Do not empty into drains / surface water / ground water., In the cured state contribution of this product to Environmental Hazards is insignificant in comparison to articles in which it is used.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
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 98-82-8		aerobic	86 %	ISO 10708 (BODIS-Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
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

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

Road and Rail Transport:

Dangerous Goods information: Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

General information:
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

Section 15. Regulatory information

SUSMP Poisons Schedule None

AICS: All components are listed or are exempt from listing on the Australian Inventory of Chemical Substances (AICS).

Section 16. Other information

Abbreviations/acronyms:
ADGC - Australian Dangerous Goods Code
ASCC - Australian Safety and Compensation Council
STEL - Short term exposure limit
TWA - Time weighted average

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Disclaimer:

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