



Safety Data Sheet

Page 1 of 8

LOC 1OZ STIKNSEAL OUTDOOR 6SC A

MSDS-No. : 450499

V001.0

Date of issue: 13.07.2015

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

Product name: LOC 1OZ STIKNSEAL OUTDOOR 6SC A

Intended use: Contact adhesive

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: 1800 032 379

Section 2. Hazards identification

Classification of the substance or mixture

Hazardous according to the criteria of Safe Work Australia.

GHS Classification:

Hazard Class

Flammable liquids
Skin irritation
Serious eye irritation
Target Organ Systemic Toxicant -
Single exposure
Acute hazards to the aquatic
environment
Chronic hazards to the aquatic
environment

Hazard Category

Category 2
Category 2
Category 2A
Category 3

Category 1
Category 1

Target organ

Central Nervous System

Hazard pictogram:



Signal word:

Danger

Hazard statement(s):	H225 Highly flammable liquid and vapor. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H410 Very toxic to aquatic life with long lasting effects.
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/bond container and receiving equipment. P241 Use explosion-proof electrical/ventilating/lighting/equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash hands thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves, eye protection, and face protection.
Response:	P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ 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. P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P362 Take off contaminated clothing. P370+P378 In case of fire: Use water spray (fog), foam, dry chemical or carbon dioxide to extinguish. P391 Collect spillage.
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.

Classification of material F - Highly flammable Xi - Irritant N - Dangerous for the environment

Risk phrases:

R11 Highly flammable.
R36/38 Irritating to eyes and skin.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67 Vapours may cause drowsiness and dizziness.

Safety phrases:

S7 Keep container tightly closed.
S16 Keep away from sources of ignition - No smoking.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin, wash immediately with plenty of water.
S29 Do not empty into drains.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S46 If swallowed, seek medical advice immediately and show this container or label.

Dangerous Goods information:

Classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

Signal word:
HAZARDOUS

Section 3. Composition / information on ingredients

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
n-Heptane	142-82-5	10- 30 %
Propyl acetate	109-60-4	10- 30 %
Methylcyclohexane	108-87-2	< 3 %
octane [and isomers]	111-65-9	< 3 %
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.
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.
First Aid facilities:	Eye wash and safety shower Normal washroom facilities
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.
Hazchem code:	•3YE

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

National exposure standards:

Ingredient [Regulated substance]	form of exposure	TWA (ppm)	TWA (mg/m3)	Peak Limit. (ppm)	Peak Limit. (mg/m3)	STEL (ppm)	STEL (mg/m3)
HEPTANE (N-HEPTANE) 142-82-5		400	1,640	-	-	-	-
HEPTANE (N-HEPTANE) 142-82-5		-	-	-	-	500	2,050
N-PROPYL ACETATE 109-60-4		200	835	-	-	-	-
N-PROPYL ACETATE 109-60-4		-	-	-	-	250	1,040
METHYLCYCLOHEXANE 108-87-2		400	1,610	-	-	-	-
OCTANE 111-65-9		300	1,400	-	-	-	-
OCTANE 111-65-9		-	-	-	-	375	1,750

Engineering controls:	Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.
Eye protection:	Protective goggles
Skin protection:	<p>Wear suitable protective clothing.</p> <p>Suitable protective gloves.</p> <p>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.</p>
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.
General protection measures:	Use only in well-ventilated areas.

Section 9. Physical and chemical properties

Appearance:	Colorless Liquid, gel-like
Odor:	Solvent, Sweet, Mild
Specific gravity:	0.86
Boiling point:	94 °C (201.2 °F)
Flash point:	-10 °C (14 °F)
Evaporation rate:	1 (Butyl acetate = 1)
Lower explosive limit:	1.00 % (V)
Upper explosive limit:	6.50 % (V)
Vapor density:	Heavier than air.
Density:	0.84 - 0.88 g/cm ³
Solubility in water:	Slight
max. VOC content:	409 g/l
VOC content:	48 % 409 g/l

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:	<p>Thermal decomposition can lead to release of irritating gases and vapors.</p> <p>Carbon monoxide.</p> <p>Carbon dioxide.</p>
Hazardous polymerization:	Will not occur.

Section 11. Toxicological information**Health Effects:****Ingestion:**

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

Skin:

Irritating to skin.

Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Eyes:

Causes serious eye irritation.

Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Inhalation:

Vapours may cause drowsiness and dizziness.

Vapors may cause headaches, nausea, dizziness and respiratory tract irritation.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Methylcyclohexane 108-87-2	LD50	> 5,840 mg/kg	oral		rat	

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
n-Heptane 142-82-5	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		Ames Test

Section 12. Ecological information**General ecological information:**

Do not empty into drains / surface water / ground water.

Ecotoxicity:

Very toxic to aquatic life with long lasting effects.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
n-Heptane 142-82-5	LC50	> 220 - 270 mg/l	Fish	96 h	Leuciscus idus	OECD Guideline 203 (Fish, Acute Toxicity Test)
n-Heptane 142-82-5	EC50	1.5 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Propyl acetate 109-60-4	LC50	56 - 64 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Propyl acetate 109-60-4	EC50	318 mg/l	Daphnia	24 h	Daphnia magna	
Methylcyclohexane 108-87-2	EC50	147,000 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
octane [and isomers] 111-65-9	EC50	0.38 mg/l	Daphnia		Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Propyl acetate 109-60-4	readily biodegradable	aerobic	72 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
n-Heptane 142-82-5	4.66					OECD Guideline 107 (Partition Coefficient (n- octanol / water), Shake Flask Method)
Propyl acetate 109-60-4	1.24					
Methylcyclohexane 108-87-2	3.61					
octane [and isomers] 111-65-9	5.18					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**Road and Rail Transport:**

Dangerous Goods information: Classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

UN no.: 1133

Proper shipping name: ADHESIVES

Class or division: 3

Packing group: II

Hazchem code: •3YE

Emergency information: Refer to the Dangerous Goods - Initial Emergency Response Guide HB 76.

Marine transport IMDG:

UN no.: 1133

Proper shipping name: ADHESIVES (n-Heptane)

Class or division: 3

Packing group: II

EmS: F-E ,S-D

Seawater pollutant: Marine 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**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
IMDG: International Maritime Dangerous Goods code
STEL - Short term exposure limit
TWA - Time weighted average
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations

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 Australia Pty. 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 Australia Pty. Limited concerning the properties of the material. The information contained in the 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 Australia Pty. Limited assumes no legal responsibility for reliance upon same. Henkel Australia Pty. 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 either Commonwealth or State 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.