



Revision Number: 001.0

Issue date: 07/05/2012

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite Stik'n Seal Outdoor
Product use: Adhesive
IDH number: 1716815
Region: Canada
Company address: Henkel Canada Corporation
 2515 Meadowpine Boulevard
 Mississauga, Ontario L5N 6C3
Contact information: Telephone: 800.624.7767
 MEDICAL EMERGENCY Phone: Poison Control Center
 1-877-671-4608 (toll free) or 1-303-592-1711
 TRANSPORT EMERGENCY Phone: CHEMTREC
 1-800-424-9300 (toll free) or 1-703-527-3887

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Liquid, gel-like, Clear
Color: Colorless
Odor: Solvent, Sweet, Mild
WHMIS hazard class: B.2, D.2.A, D.2.B

DANGER: EXTREMELY FLAMMABLE LIQUID AND VAPOR.
 VAPOR MAY CAUSE FLASH FIRE.
 HARMFUL IF SWALLOWED OR INHALED.
 MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: Vapors may cause headaches, nausea, dizziness and respiratory tract irritation. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Prolonged exposure to solvents may cause adverse effects to the liver, urinary, and reproductive systems. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Skin contact: Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitisation of susceptible persons.

Eye contact: Symptoms can include irritation, redness, scratching of the cornea, and tearing.

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

Existing conditions aggravated by exposure: Not available.

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
n-Heptane	142-82-5	10 - 30
Propyl acetate	109-60-4	10 - 30
Methylcyclohexane	108-87-2	1 - 5
Octane	111-65-9	1 - 5

4. FIRST AID MEASURES

Inhalation: Move to fresh air in case of accidental inhalation of vapours. Administer oxygen or artificial respiration as needed. Get immediate medical attention.

Skin contact:	Rinse with running water. Apply skin care product. Remove contaminated clothes immediately.
Eye contact:	Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.
Ingestion:	Do not induce vomiting. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

Flash point:	-10 °C (14°F) ASTM D56 22.1 TAG-4
Autoignition temperature:	Not available.
Flammable/Explosive limits - lower:	1 %
Flammable/Explosive limits - upper:	6.5 %
Extinguishing media:	carbon dioxide foam Dry chemical. Water spray or fog.
Special firefighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Unusual fire or explosion hazards:	Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. Vapors are heavier than air and may travel along floor to an ignition source.
Hazardous combustion products:	Oxides of carbon. Carbon dioxide.
Sensitivity to Mechanical Impact:	Not available.
Sensitivity to static discharge:	Not available.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Sweep up or gather material and place in appropriate container for disposal. Wash spill area thoroughly. Wear appropriate protective equipment during cleanup. Remove all sources of ignition.
Clean-up methods:	Not available.

7. HANDLING AND STORAGE

Handling:	Keep away from heat, spark and flame. Keep container closed. Do not reuse container. Keep out of the reach of children. Use only with adequate ventilation. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode.
Storage:	For safe storage, store between -18 °C (0.4 °F) and 35 °C (95°F) Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
n-Heptane	400 ppm TWA 500 ppm STEL	500 ppm (2,000 mg/m3) TWA	None	None
Propyl acetate	200 ppm TWA 250 ppm STEL	200 ppm (840 mg/m3) TWA	None	None
Methylcyclohexane	400 ppm TWA	500 ppm (2,000 mg/m3) TWA	None	None
Octane	300 ppm TWA	500 ppm (2,350 mg/m3) TWA	None	None

Engineering controls: Use only in well ventilated areas. Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Eye/face protection: Wear safety glasses with side shields.

Skin protection: Solvent impermeable gloves are required for repeated or prolonged contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid, gel-like, Clear
Color: Colorless
Odor: Solvent, Sweet, Mild
Odor threshold: Not available.
pH: Not applicable
Vapor pressure: Not available.
Boiling point/range: 94 °C (201.2 °F) Supplier method
Melting point/ range: Not available.
Specific gravity: 0.86
Vapor density: Heavier than air.
Flash point: -10 °C (14°F) ASTM D56 22.1 TAG-4
Flammable/Explosive limits - lower: 1 %
Flammable/Explosive limits - upper: 6.5 %
Autoignition temperature: Not available.
Evaporation rate: > 1 (Butyl acetate = 1)
Solubility in water: Slight
Partition coefficient (n-octanol/water): Not available.
VOC content: 48 %; 409 g/l (calculated)
Viscosity: 13,000 - 20,000 mPa.s

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and use.

Hazardous reactions: Will not occur.

Hazardous decomposition products: Carbon dioxide, carbon monoxide and irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

Incompatible materials: Strong oxidizing agents.

Conditions to avoid: Keep away from open flames, hot surfaces and sources of ignition.

11. TOXICOLOGICAL INFORMATION

Toxicologically synergistic products: Not available.

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)	ACGIH Carcinogen
n-Heptane	No	No	No	No
Propyl acetate	No	No	No	No
Methylcyclohexane	No	No	No	No
Octane	No	No	No	No

Hazardous components	LD50s and LC50s	Health Effects/Target Organs
n-Heptane	Inhalation LC50 (RAT, 4 h) = 103 mg/l	Central nervous system, Irritant
Propyl acetate	Oral LD50 (RAT) = 9,370 mg/kg Oral LD50 (rabbit) = 6.64 g/kg	Central nervous system, Irritant
Methylcyclohexane	None	Central nervous system, Irritant, Kidney, Liver
Octane	Inhalation LC50 (RAT, 4 h) = 118 mg/l	Central nervous system, Irritant, Lung

12. ECOLOGICAL INFORMATION

Ecological information: Not available.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal.

14. TRANSPORT INFORMATION

The shipping classification in this section are for bulk packaging only. Shipping classification may be different for non-bulk packaging as exceptions may apply. Refer to shipping documents for package specific transportation classification.

Canada Transportation of Dangerous Goods - Ground

Proper shipping name: ADHESIVES
Hazard class or division: 3
Identification number: UN 1133
Packing group: II

International Air Transportation (ICAO/IATA)

Proper shipping name: Adhesives
Hazard class or division: 3
Identification number: UN 1133
Packing group: II

Water Transportation (IMO/IMDG)

Proper shipping name: ADHESIVES (n-Heptane)
Hazard class or division: 3
Identification number: UN 1133
Packing group: II
Marine pollutant: n-Heptane

15. REGULATORY INFORMATION

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: First issue.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR), and the MSDS contains all the information required by the CPR.

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