



MATERIAL SAFETY DATA SHEET

VULCANIZING CEMENT

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Vulcanizing Cement
Product Code	14008, 14004, 14032
Other Names	-
Product Use	Vulcanising rubber patches
Importer Name	Sealtite International Pty Ltd
Address	24-26 Claremont Street South Yarra VIC 3141
Telephone Number	03 9826 0555
Emergency Telephone	0419 185 338

2. HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE. DANGEROUS GOODS.

Classified as hazardous according to the criteria of ASCC.

Hazards	F - Flammable T - Toxic N - Dangerous for the Environment
Risk Phrases	R11 - Highly flammable. R38 - Irritating to skin. R50 - Very toxic to aquatic organisms. R53 - May cause long-term adverse effects in the aquatic environment. R65 - Harmful: May cause lung damage if swallowed. R67 - Vapours may cause drowsiness and dizziness.
Safety Phrases	S2 - Keep out of reach of children. S9 - Keep container in a well-ventilated place. S16 - Keep away from sources of ignition - No smoking. S29 - Do not empty into drains. S33 - Take precautionary measures against static discharges. S60 - This material and its container must be disposed of as hazardous waste. S61 - Avoid release to the environment. Refer to special instructions/Material Safety Data Sheets. S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.



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3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient (common name)	CAS Number	Proportion by weight
Heptane	142-82-5	80-90%
Methylcyclohexane	108-87-2	0.5%
Uncured Natural Rubber	-	10-15%

4. FIRST AID MEASURES

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Seek immediate medical attention.
Skin	Remove contaminated clothing and wash affected areas with soap and water. Seek medical attention if symptoms persist.
Eyes	In case of eye contact, check for and remove any contact lenses. Immediately irrigate eyes with plenty of running water for at least 15 minutes, keeping eyelids open. Seek medical attention if symptoms persist.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	For major fires call the Fire Brigade. Ensure that an escape path is available from any fire. Foam, carbon dioxide or dry chemical.
Hazardous Combustion Products	If water spray is used, use fog nozzle. Carbon monoxide and carbon dioxide.
Firefighting Equipment	Wear ASCC approved self-contained breathing apparatus and full protective clothing.
Unusual Fire or Explosion Hazards	Extremely flammable. May be ignited by heat, sparks, flame or other source of ignition.
Hazchem Code	3[Y]

6. ACCIDENTAL RELEASE MEASURES

Spills	Use personal protective equipment. Avoid contact with the skin and the eyes and inhalation. Ventilate and keep traffic from area. Extinguish all ignition sources. Contain spill to prevent entry into drains, sewers or waterways. Cover liquid spill with sand, earth or other inert (non-combustible) absorbent material, pick up and transfer to properly labelled containers.
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7. HANDLING AND STORAGE

Handling	Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating.
Storage	Keep containers tightly closed. Store in a cool, dry, ventilated area away from heat, sparks, pilot lights, static electricity and open flame. No smoking.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards (ASCC)	Heptane: TWA: 400 ppm / 1640 mg/m ³ STEL: 500 ppm / 2050 mg/m ³ Methylcyclohexane: TWA: 400 ppm / 1610 mg/m ³ STEL: - ppm / - mg/m ³
Engineering Controls	Local exhaust ventilation is recommended when vapours can be released in excess of established airborne exposure limits.
Respiratory Protection	Use an ASCC approved gas mask or respirator if the ventilation is not sufficient. See Australian Standards AS/NZS 1715 and 1716 for more information.
Eye Protection	Chemical splash goggles.
Skin Protection	Impermeable gloves and protective clothing.
Hygienic Practices	Food, beverages and tobacco products should not be stored or consumed where this material is in use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Cloudy liquid
Odour	Solvent odour
Evaporation Rate	4.5
Boiling Point	93°C - 98°C
Freezing Point	No information available
Vapour Pressure (mm Hg @ 20°C)	No information available
Percent Volatiles by Volume	75 - 85
Specific Gravity (Water=1 @ 20°C)	No information available
V.O.C.	75 - 85%
Flash Point (TCC)	-10°C
Lower Explosive Limit (LEL)	1
Upper Explosive Limit (UEL)	7



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10. STABILITY AND REACTIVITY

Chemical Stability	Stable.
Incompatible Materials	Strong acids, bases and amines.
Hazardous Decomposition Products	Carbon monoxide and/or carbon dioxide.
Hazardous Polymerization Conditions to Avoid	Will not occur. Heat, sources of ignition, flames.

11. TOXICOLOGICAL INFORMATION

Toxicity	Heptane: Inhalation LC ₅₀ (rat) = 103g/m ³ – 4h Intravenous LD ₅₀ (mouse) = 222 mg/kg
Routes of Exposure	Inhalation, ingestion, eye and skin
Health effects from likely routes of exposure	Inhalation: Harmful if inhaled. May cause dizziness. Ingestion: Harmful if ingested. May cause irritation of the gastrointestinal tract. Eye: May cause eye irritation. Skin: May cause skin irritation.
Effects of Overexposure	Repeated contact may cause dermatitis.
Existing Conditions	No information available.
Aggravated by Exposure	
Carcinogenicity	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity	No information available.
Mobility	No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods and containers	Dispose according to applicable local and state government regulations.
Special precautions for landfill or incineration	Please consult your state Land Waste Management Authority for more information

14. TRANSPORT INFORMATION

Classified as a dangerous good according to the Australian Code for the Transport of Dangerous goods by road or rail.

UN Number	1993
Proper Shipping Name	FLAMMABLE LIQUID, N.O.S.
Dangerous Goods Class	3



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Hazchem Code 3[Y]
Packing Group I
Special Precautions Not applicable

15. REGULATORY INFORMATION

Heptane and methylcyclohexane are listed in the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Last Revision of MSDS Rev 1.0 (10/06/2009)
Prepared by MSDS.COM.AU Pty Ltd www.msds.com.au
Abbreviations Used IARC: International Agency for Research on Cancer
ASCC: Australian Safety and Compensation Council
NTP: National Toxicology Program (U.S.)
OSHA: Occupational Safety and Health Administration (U.S.)
STEL: Short term exposure limit
TWA: Time weighted average

Emergency Contacts

Sealtite International Pty Ltd 03 9826 0555
Sealtite International Pty Ltd – Emergency Number 0419 185 338
Police and Fire Brigade 000
Poisons Information Centre 13 11 26

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Please read instructions / label before using product.