

GEMCUTS PTY LTD

Date of Issue 6-04-2020

**SAFETY DATA SHEET
DISC CEMENT**

IMPORTANT NOTICE: This Safety Data Sheet (SDS) is issued by Gemcuts Pty Ltd in accordance with National Occupational Health and Safety Commission guidelines. The information contained in this document must not be added to, deleted or altered. Gemcuts Pty Ltd will issue a new SDS when there is a change in the product specifications and/or with the National Occupational Health and Safety Commission guidelines/ regulations. Gemcuts Pty Ltd will not accept any responsibility for any changes made to its SDS in content by any other person or organisation.

CLASSIFICATION OF MATERIAL

This Material is Hazardous according to Safe Work Australia

1. IDENTIFICATION OF THE MATERIAL & SUPPLIER

Product	Disc Cement
Recommended Use	Adhesive
Supplier/Importer	Gemcuts Pty Ltd
ABN	43 780 687 841
Manufacturer	Gemcuts Pty Ltd
Address	36A Smith Drive, West Ballina NSW 2478
Telephone Number	02 66811686
Facsimile	N/A
Email	admin@gemcuts.com.au
Emergency Telephone	131126 Poisons Information Centre 0427012014

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2. HAZARDS IDENTIFICATION

WARNING: Danger

2.1 Hazards Classification:

Flammable Liquid: Cat 2

Aspiration Hazard - Category 1

Skin Corrosion/Irritation - Category 2

Toxic to Reproduction - Category 1A

Specific Target Organ Toxicity (Single Exposure) - Category 3

Narcotic Effects Specific Target Organ Toxicity (Repeated Exposure) - Category 2

Chronic Hazard to the Aquatic Environment - Category 2

2.2 Hazard Category:

Dangerous good, Hazardous substance

2.3 Hazard Phrase(s):

H225: Highly flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H336: May cause drowsiness or dizziness.

H360: May damage fertility or the unborn child.

H373: May cause damage to organs through prolonged or repeated exposure.

H411: Toxic to aquatic life with long lasting effects.

2.4 Precautionary Phrase(s):

P102: Keep out of reach of children.

P103: Read label before use.

P202: Do not handle until all safety precautions have been read and understood.

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical, ventilating, lighting and all other equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P260: Do not breathe fume, gas, mist, vapours or spray.

P261: Avoid breathing fume, mist, vapours or spray.

Hazards Identification Continued...

P264: Wash hands, face and all exposed skin thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective clothing, gloves, eye/face protection and suitable respirator.

P101: If medical advice is needed, have product container or label at hand.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P308+P313: IF exposed or concerned: Get medical advice/attention.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P314: Get medical advice/attention if you feel unwell.

P331: Do NOT induce vomiting.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

P370+P378: In case of fire: Use alcohol resistant foam, normal protein foam or dry agent for extinction.

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.

P501: Dispose of contents/container in accordance with local, regional, national and international regulations.

Emergency Overview: Always seek medical attention if unwell or irritated by the use of this product.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Product Description: Clear to Yellow Liquid, Solvent smell. For Bonding or Adhesion.

3.2 Contents

Chemical Name	CAS Number	Proportion %
Benzene, methyl- Polymeric ester	108-88-3	1-10 %
Solvent naphtha, petroleum, light aliphatic	64742-89-8	70-90 %
Ingredients determined to be Non-Hazardous		Balance

4. FIRST AID MEASURES

**For advice, contact a Poisons Information Centre,
Phone (Australia) 131 126**

Inhalation: Inhalation: Remove victim to fresh air. Remove any contaminated clothing. If not breathing give artificial respiration. Seek medical attention.

Skin Contact: Wash area(s) with soap and water. Remove contaminated clothing. Seek medical attention if irritation, swelling or blisters occur.

Eye Contact: Hold eyelids open and immediately flush eyes continuously with running water for 15 minutes. Seek medical attention (doctor or hospital) immediately.

Ingestion: Ingestion: If swallowed do NOT induce vomiting. Rinse mouth with water. May give patient a glass of water. Never give anything by mouth to an unconscious victim. Contact a doctor or Poisons Information Centre immediately while keeping victim at rest.

Seek immediate medical assistance if symptoms persist or in the case of over exposure.

Notes to Doctor: Treat symptomatically.

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5. FIRE FIGHTING MEASURES

5.1 Special Hazard: Highly flammable liquid and vapour. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.

5.2 Suitable Extinguishing Media: If material is involved in a fire use alcohol resistant foam or dry agent (carbon dioxide, dry chemical powder).

5.3 Fire Fighting Advice: Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

6. ACCIDENTAL RELEASE MEASURES

Emergency Action:

SMALL SPILLS Contain and absorb spill with sand, earth, inert material or vermiculite. Wipe up and place in a suitable, labelled container for waste disposal.

LARGE SPILLS Put on personal protective equipment (suitable respiratory protection, face and eye protection, protective suit, gloves and impermeable boots). Control source of leakage (where applicable). Dike the spill to prevent spreading and to contain additions of decontaminating solution. Prevent the material from entering drains. Estimate spill pool volume or area. Absorb and decontaminate. - Completely cover the spill with dry sand, dry earth, vermiculite or other similar absorbent.

Dangerous Goods - Initial Emergency Response Guide No: 14

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7. HANDLING & STORAGE

7.1 Handling Advice: Keep out of reach of children. Avoid contact with the eyes and skin. Use only in well ventilated areas. Keep receptacles tightly sealed. Keep away from heat and direct sunlight.

7.2 Storage Advice: Store in cool and dry condition.

This material is classified as a Class 3 Flammable Liquid as per the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and/or the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations.

This material is a Scheduled Poison Schedule 5 (Caution) and must be stored, maintained and used in accordance with the relevant regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Occupational Exposure Limits:

Toluene 108-88-3 TWA 191mg/m³ STEL 574mg/m³

8.2 Engineering Control Measures: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator. Vapour heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected.

8.3 Personal Protective Equipment:

CHEMICAL RESISTANT GLOVES, CHEMICAL GOGGLES OR FACE SHIELD, APRON OR OVERALLS, ENCLOSED BOOTS, AIR RESPIRATOR (AS/NZS 1715 and AS/NZS 1716)

Complete personal protection from exposure of both contact and inhalation should be taken especially in prolonged contact.

SAFETY DATA SHEET**9. PHYSICAL & CHEMICAL PROPERTIES**

Physical State:	Liquid
Colour:	Clear to Yellowish
Odour:	Solvent
Solubility:	Insoluble
Size	Approx. 80x80mm or 100x100mm
Weight	400 – 520g
Density to Air	3
Self-Ignition Point (°C):	>350°C
Flash Point (°C)	Unknown
Boiling Point (°C)	35-160°C

10. STABILITY & REACTIVITY

Chemical Stability: Stable under normal conditions, use and storage.

Conditions to Avoid: Excessive heat and ignition source.

Hazardous Reactions: None Known.

Incompatible Materials: Oxidising Agents.

Hazardous decomposition products: Oxides of carbon, nitrogen, smoke and other toxic fumes.

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11. TOXICOLOGY INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: This material may produce irritation of the respiratory system. Inhalation of vapour can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness. Inhalation of vapour can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness.

Skin contact: Harmful in contact with skin. Can be absorbed through the skin and contact with the skin will result in irritation.

Ingestion: Swallowing of the liquid may cause aspiration of vomit into the lungs with the risk of haemorrhaging, pulmonary oedema, progressing to chemical pneumonitis; serious consequences may result. May cause lung damage if swallowed. Small amounts of liquid aspirated into the respiratory system during ingestion or vomiting may cause bronchopneumonia or pulmonary oedema. May cause lung damage if swallowed. Small amounts of liquid aspirated into the respiratory system during ingestion or vomiting may cause bronchopneumonia or pulmonary oedema.

Eye contact: The material may cause eye irritation in a substantial number of individuals and/or is expected to produce significant ocular lesions which are present twenty-four hours or more after instillation into the eye(s) of experimental animals. Repeated or prolonged eye contact may cause inflammation characterised by temporary redness (similar to windburn) of the conjunctiva (conjunctivitis).

Acute toxicity

Inhalation: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >20 mg/L

LC50 (Rat): > 20 mg/L

Skin contact: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw

LD50 (Rat): >2000 mg/Kg

Ingestion: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw

LD50 (Rat): > 2000mg/kg

Corrosion/Irritancy: Eye: this material has been classified as not corrosive or irritating to eyes.

Skin: this material has been classified as a Category 2 Hazard (reversible effects to skin).

Sensitisation: Inhalation: this material has been classified as not a respiratory sensitiser. **Skin:** this material has been classified as not a skin sensitiser.

Aspiration hazard: This material has been classified as Aspiration Hazard - Category 1

Specific target organ toxicity (single exposure): This material has been classified as a Category 3 Hazard. Exposure via inhalation may result in depression of the central nervous system.

Toxicology Information Continued...

Chronic Toxicity

Mutagenicity: This material has been classified as non-hazardous.

Carcinogenicity: This material has been classified as non-hazardous.

Reproductive toxicity (including via lactation): This material has been classified as a Category 1A Hazard.

Specific target organ toxicity (repeat exposure): This material has been classified as a Category 2 Hazard.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways. Acute aquatic hazard: Slightly hazardous for water

24hr EC50 (algae): > 100 mg/L 24hr EC50 (fish): > 100 mg/L

Long-term aquatic hazard: Hazardous for Algae or other aquatic plants after 72 Hrs.

48hr EC50 (algae): > 10 mg/L 96hr EC50 (fish): > 10 mg/L

Ecotoxicity: Harmful to terrestrial species. Harmful to bees.

Persistence and degradability: The product is partially biodegradable.

Bio accumulative potential: Risk of bioaccumulation in an aquatic species is moderate.

Mobility: Low mobility in soil. Cured adhesives are immobile.

13 DISPOSAL CONSIDERATIONS

Commonwealth, State and Local laws governing disposal of material can differ. Ensure proper disposal compliance with the proper authority before disposal.

Do not allow to enter waterways.

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14. TRANSPORT INFORMATION

Road and Rail:

Proper shipping name: Adhesives
Dangerous Goods Class: 3
UN/ID Number: 1133
Packing group: II
Emergency Response Guide: No.14

Segregation Dangerous Goods: Not to be loaded with explosives (Class 1), flammable gases (Class 2.1), if both are in bulk, toxic gases (Class 2.3), spontaneously combustible substances (Class 4.2), oxidising agents (Class 5.1), organic peroxides (Class 5.2), toxic substances (Class 6.1), infectious substances (Class 6.2) or radioactive substances (Class 7). Exemptions may apply.

Marine:

Proper Shipping Name: Adhesives
Dangerous Goods Class: 3
UN No: 1133
Packing Group: II

Air:

Proper Shipping Name: Adhesives
Dangerous Goods Class: 3
UN No: 1133
Packing Group: II

15. REGULATORY INFORMATION

Work Health and Safety Regulation 2017
Safe Work Australia HCIS
IMDG
NTC
ADG

16. OTHER INFORMATION

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Gemcuts Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. If clarification or further information is needed, the user should contact Gemcuts Pty Ltd at the contact details on page 1.

Gemcuts Pty Ltd responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.