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## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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### 1.1 Product identifier

**Product name** DIAREX EVO PLUS EV-9 KNIFE GRADE  
**Synonyms** EV-9 KNIFE GRADE • SUP.EV9 - PRODUCT CODE

### 1.2 Uses and uses advised against

**Uses** ADHESIVE • FILLER

### 1.3 Details of the supplier of the product

**Supplier name** CDK STONE PTY LTD  
**Address** 4 - 6 Freighter Rd, Moorabbin, VIC, 3189, AUSTRALIA  
**Telephone** (03) 8552 6000  
**Fax** (03) 8552 6001  
**Email** [help@cdkstone.com.au](mailto:help@cdkstone.com.au)  
**Website** <http://www.cdkstone.com.au>

### 1.4 Emergency telephone numbers

**Emergency** 13 11 26

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## 2. HAZARDS IDENTIFICATION

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### 2.1 Classification of the substance or mixture

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

#### Physical Hazards

Flammable Liquids: Category 3

#### Health Hazards

Skin Corrosion/Irritation: Category 2  
Skin Sensitisation: Category 1  
Specific Target Organ Toxicity (Single Exposure): Category 3 (Respiratory Irritation)

#### Environmental Hazards

Aquatic Toxicity (Acute): Category 3

### 2.2 GHS Label elements

**Signal word** WARNING

#### Pictograms



#### Hazard statements

H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H335 May cause respiratory irritation.  
H402 Harmful to aquatic life.

## PRODUCT NAME DIAREX EVO PLUS EV-9 KNIFE GRADE

### Prevention statements

|      |  |
|------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P233 | Keep container tightly closed.   |
| P240 | Ground and bond container and receiving equipment.   |
| P241 | Use explosion-proof electrical/ventilating/lighting equipment.                                 |
| P242 | Use non-sparking tools.  |
| P243 | Take action to prevent static discharges.  |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray.  |
| P264 | Wash thoroughly after handling.  |
| P271 | Use only outdoors or in a well-ventilated area.  |
| P272 | Contaminated work clothing should not be allowed out of the workplace.                         |
| P273 | Avoid release to the environment.  |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection.                     |

### Response statements

|                    |   |
|--------------------|---|
| P303 + P361 + P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P304 + P340        | IF INHALED: Remove person to fresh air and keep comfortable for breathing.                          |
| P312               | Call a POISON CENTRE or doctor/physician if you feel unwell.  |
| P321               | Specific treatment is advised - see first aid instructions.   |
| P333 + P313        | If skin irritation or rash occurs: Get medical advice/attention.                                    |
| P362 + P364        | Take off contaminated clothing and wash it before reuse.  |
| P370 + P378        | In case of fire: Use appropriate media to extinguish.   |

### Storage statements

|                    |   |
|--------------------|---|
| P403 + P233 + P235 | Store in a well-ventilated place. Keep cool. Keep container tightly closed. |
| P405               | Store locked up.  |

### Disposal statements

|      |  |
|------|--|
| P501 | Dispose of contents/container in accordance with relevant regulations. |
|------|--|

### 2.3 Other hazards

Polymerization with heat evolution may occur in the presence of radical forming substances (e.g., peroxides), reducing substances, and/or heavy metal ions.

## 3. COMPOSITION/ INFORMATION ON INGREDIENTS

### 3.1 Substances / Mixtures

| Ingredient                | CAS Number    | EC Number     | Content   |
|---------------------------|---------------|---------------|-----------|
| METHYL METHACRYLATE       | 80-62-6       | 201-297-1     | 30 to 35% |
| NON HAZARDOUS INGREDIENTS | Not Available | Not Available | Remainder |

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

|                             |  |
|-----------------------------|--|
| <b>Eye</b>                  | If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.                       |
| <b>Inhalation</b>           | If inhaled, remove from contaminated area. To protect rescuer, use a Type A (Organic vapour) respirator or an Air-line respirator (in poorly ventilated areas). Apply artificial respiration if not breathing. |
| <b>Skin</b>                 | If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.       |
| <b>Ingestion</b>            | For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.   |
| <b>First aid facilities</b> | Eye wash facilities and safety shower should be available.   |

### 4.2 Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

### 4.3 Immediate medical attention and special treatment needed

Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

## PRODUCT NAME DIAREX EVO PLUS EV-9 KNIFE GRADE

### 5.1 Extinguishing media

Dry agent, carbon dioxide or foam. Prevent contamination of drains and waterways.

### 5.2 Special hazards arising from the substance or mixture

Flammable. May evolve carbon oxides and hydrocarbons when heated to decomposition. Vapour may form explosive mixtures with air. Eliminate all ignition sources including cigarettes, open flames, spark producing switches/tools, pilot lights, heaters, naked lights, etc when handling. Earth containers when dispensing fluids.

### 5.3 Advice for firefighters

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

### 5.4 Hazchem code

- 3Y
- 3 Alcohol Resistant Foam is the preferred firefighting medium but, if it is not available, normal foam can be used.
- Y Risk of violent reaction or explosion. Wear full fire kit and breathing apparatus. Contain spill and run-off.

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## 6. ACCIDENTAL RELEASE MEASURES

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### 6.1 Personal precautions, protective equipment and emergency procedures

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Ventilate area where possible. Contact emergency services where appropriate.

### 6.2 Environmental precautions

Prevent product from entering drains and waterways.

### 6.3 Methods of cleaning up

Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal. Only trained personnel should undertake clean up.

### 6.4 Reference to other sections

See Sections 8 and 13 for exposure controls and disposal.

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## 7. HANDLING AND STORAGE

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### 7.1 Precautions for safe handling

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas. Take precautionary measures against static discharge.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should have appropriate ventilation and fire protection systems.

### 7.3 Specific end uses

No information provided.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### 8.1 Control parameters

#### Exposure standards

| Ingredient          | Reference | TWA |                   | STEL |                   |
|---------------------|-----------|-----|-------------------|------|-------------------|
|                     |           | ppm | mg/m <sup>3</sup> | ppm  | mg/m <sup>3</sup> |
| Methyl methacrylate | SWA [AUS] | 50  | 208               | 100  | 416               |

#### Biological limits

No biological limit values have been entered for this product.

**8.2 Exposure controls**

**Engineering controls** Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical explosion proof extraction ventilation is recommended. Flammable/explosive vapours may accumulate in poorly ventilated areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back.

**PPE**

|                    |   |
|--------------------|---|
| <b>Eye / Face</b>  | Wear splash-proof goggles.  |
| <b>Hands</b>       | Wear nitrile or neoprene or butyl gloves.   |
| <b>Body</b>        | Wear coveralls.   |
| <b>Respiratory</b> | Where an inhalation risk exists, wear a Type A (Organic vapour) respirator. If spraying, wear a Full-face Type A-Class P1 (Organic gases/vapours and Particulate) respirator or an Air-line respirator. |



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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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**9.1 Information on basic physical and chemical properties**

|                                  |                         |
|----------------------------------|-------------------------|
| <b>Appearance</b>                | YELLOW/WHITE PASTE      |
| <b>Odour</b>                     | ACRID, FRUITY ODOUR     |
| <b>Flammability</b>              | FLAMMABLE               |
| <b>Flash point</b>               | 24°C                    |
| <b>Boiling point</b>             | 100.3°C                 |
| <b>Melting point</b>             | -48°C                   |
| <b>Evaporation rate</b>          | 3.1 (Butyl acetate = 1) |
| <b>pH</b>                        | NOT AVAILABLE           |
| <b>Vapour density</b>            | 3.5 (Air = 1)           |
| <b>Relative density</b>          | 0.94                    |
| <b>Solubility (water)</b>        | INSOLUBLE               |
| <b>Vapour pressure</b>           | 29 mm Hg @ 20°C         |
| <b>Upper explosion limit</b>     | 12.5 %                  |
| <b>Lower explosion limit</b>     | 2.1 %                   |
| <b>Partition coefficient</b>     | NOT AVAILABLE           |
| <b>Autoignition temperature</b>  | 421°C                   |
| <b>Decomposition temperature</b> | NOT AVAILABLE           |
| <b>Viscosity</b>                 | NOT AVAILABLE           |
| <b>Explosive properties</b>      | NOT AVAILABLE           |
| <b>Oxidising properties</b>      | NOT AVAILABLE           |
| <b>Odour threshold</b>           | 0.05 ppm                |

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**10. STABILITY AND REACTIVITY**

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**10.1 Reactivity**

Carefully review all information provided in sections 10.2 to 10.6.

**10.2 Chemical stability**

Stable under recommended conditions of storage.

**10.3 Possibility of hazardous reactions**

May polymerise with violent rupture/explosion. Polymerization with heat evolution may occur in the presence of radical forming substances (e.g., peroxides), reducing substances, and/or heavy metal ions.

**10.4 Conditions to avoid**

Avoid heat, sparks, open flames and other ignition sources.

**10.5 Incompatible materials**

May polymerise in contact with oxidising agents (e.g. nitrates), acids (e.g. nitric acid), amines, UV light, alkalis (e.g. sodium hydroxide), or if heated. Polymerisation may generate heat with potential for fire-explosion.

**10.6 Hazardous decomposition products**

May evolve carbon oxides and hydrocarbons when heated to decomposition.

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**11. TOXICOLOGICAL INFORMATION**

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**11.1 Information on toxicological effects**

**Acute toxicity** Acute oral exposure may result in irritation of the mouth, throat, oesophagus and gastrointestinal tract.

**Information available for the ingredients:**

| Ingredient          | Oral LD50            | Dermal LD50           | Inhalation LC50 |
|---------------------|----------------------|-----------------------|-----------------|
| METHYL METHACRYLATE | > 5000 mg/kg (mouse) | > 5000 mg/kg (rabbit) | > 25 mg/L (rat) |

**Skin** Contact may result in drying and defatting of the skin, rash and dermatitis.  
**Eye** Contact may result in irritation, lacrimation, pain and redness.  
**Sensitisation** May cause an allergic skin reaction. This product is not classified as a respiratory sensitiser.  
**Mutagenicity** Not classified as a mutagen.  
**Carcinogenicity** Not classified as a carcinogen.  
**Reproductive** Not classified as a reproductive toxin.  
**STOT - single exposure** Over exposure may result in irritation of the nose and throat, coughing, nausea and headache. High level exposure may result in dizziness, drowsiness, breathing difficulties and unconsciousness.  
**STOT - repeated exposure** Not classified as causing organ damage from repeated exposure.  
**Aspiration** Not classified as causing aspiration.

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**12. ECOLOGICAL INFORMATION**

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**12.1 Toxicity**

Harmful to aquatic life.

**12.2 Persistence and degradability**

No information provided.

**12.3 Bioaccumulative potential**

The bioaccumulation potential of styrene is low.

**12.4 Mobility in soil**

No information provided.

**12.5 Other adverse effects**

No information provided.

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**13. DISPOSAL CONSIDERATIONS**

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**13.1 Waste treatment methods**

**Waste disposal** For small amounts, absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Contact the manufacturer/supplier for additional information if disposing of large quantities (if required). Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result.

**Legislation** Dispose of in accordance with relevant local legislation.

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**14. TRANSPORT INFORMATION**

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CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE



|                                    | LAND TRANSPORT (ADG)      | SEA TRANSPORT (IMDG / IMO) | AIR TRANSPORT (IATA / ICAO) |
|------------------------------------|---------------------------|----------------------------|-----------------------------|
| <b>14.1 UN Number</b>              | 1866                      | 1866                       | 1866                        |
| <b>14.2 Proper Shipping Name</b>   | RESIN SOLUTION, flammable | RESIN SOLUTION, flammable  | RESIN SOLUTION, flammable   |
| <b>14.3 Transport hazard class</b> | 3                         | 3                          | 3                           |
| <b>14.4 Packing Group</b>          | III                       | III                        | III                         |

**14.5 Environmental hazards**

Not a Marine Pollutant.

**14.6 Special precautions for user**

**Hazchem code**           ●3Y  
**GTEPG**                    3A1  
**EmS**                        F-E, S-E

**15. REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Poison schedule**       Classified as a Schedule 5 (S5) Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Classifications**       Safe Work Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals (GHS Revision 7).

**Inventory listings**     **AUSTRALIA: AIIC (Australian Inventory of Industrial Chemicals)**  
 All components are listed on AIIC, or are exempt.  
**UNITED STATES: TSCA (US Toxic Substances Control Act)**  
 All components are listed on the TSCA inventory, or are exempt.

**16. OTHER INFORMATION**

**Additional information**   **WORKPLACE CONTROLS AND PRACTICES:** Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

**RESPIRATORS:** In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**  
 The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**HEALTH EFFECTS FROM EXPOSURE:**

It should be noted that the effects from exposure to this product will depend on several factors including: form of product; frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**Abbreviations**

|                   |   |
|-------------------|---|
| ACGIH             | American Conference of Governmental Industrial Hygienists                                       |
| CAS #             | Chemical Abstract Service number - used to uniquely identify chemical compounds                 |
| CNS               | Central Nervous System  |
| EC No.            | EC No - European Community Number   |
| EMS               | Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)                   |
| GHS               | Globally Harmonized System  |
| GTEPG             | Group Text Emergency Procedure Guide  |
| IARC              | International Agency for Research on Cancer   |
| LC50              | Lethal Concentration, 50% / Median Lethal Concentration   |
| LD50              | Lethal Dose, 50% / Median Lethal Dose   |
| mg/m <sup>3</sup> | Milligrams per Cubic Metre  |
| OEL               | Occupational Exposure Limit   |
| pH                | relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline). |
| ppm               | Parts Per Million   |
| STEL              | Short-Term Exposure Limit   |
| STOT-RE           | Specific target organ toxicity (repeated exposure)  |
| STOT-SE           | Specific target organ toxicity (single exposure)  |
| SUSMP             | Standard for the Uniform Scheduling of Medicines and Poisons                                    |
| SWA               | Safe Work Australia   |
| TLV               | Threshold Limit Value   |
| TWA               | Time Weighted Average   |

**Report status**

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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