

Ground Pro 365 Epoxy Grip Kit Part A is the resin component of the two-component epoxy high friction surfacing system used for anti-skid patch repair. It is supplied in the kit alongside Part B, a resin spreader, a mixing stick, a pair of latex gloves and coloured aggregate. This data sheet sets out the safety information for Part A.

- Two-component epoxy high friction surfacing system: Part A component
- Liquid, pale yellow, slight odour
- Supplied in the kit with Part B, coloured aggregate and mixing tools
- Available in five colours: Buff, Green, Red, Grey and Blue



### DOCUMENT SCOPE

|               |                                                                                |
|---------------|--------------------------------------------------------------------------------|
| Document type | Safety data sheet (SDS) - product information summary, Part A                  |
| Product name  | Ground Pro 365 Epoxy Grip Kit - Part A                                         |
| Product code  | LM00071 (Buff), LM00072 (Green), LM00073 (Red), LM00074 (Grey), LM00075 (Blue) |
| Company name  | CID Trading Limited                                                            |
| Address       | Friden House, Unit 1, Clayton Wood Bank, Horsforth, Leeds, LS16 6QZ            |
| Telephone     | 0113 201 1340                                                                  |
| Email         | sales@cidgroup.co.uk                                                           |

### PRODUCT VARIANTS

| Colour | Product code |
|--------|--------------|
| Buff   | LM00071      |
| Green  | LM00072      |
| Red    | LM00073      |
| Grey   | LM00074      |
| Blue   | LM00075      |

### PHYSICAL AND CHEMICAL PROPERTIES

| Property                  | Part A      |
|---------------------------|-------------|
| Physical state            | Liquid      |
| Colour                    | Pale yellow |
| Odour                     | Slight      |
| Boiling point             | > 200 °C    |
| Melting point range       | Not stated  |
| Flash point               | > 150 °C    |
| Auto-ignition temperature | > 300 °C    |
| Decomposition temperature | Not stated  |

| Property                                        | Part A                                  |
|-------------------------------------------------|-----------------------------------------|
| Vapour pressure                                 | < 0.01 Pa at 20 °C                      |
| Density                                         | Typical 1160 kg/m <sup>3</sup> at 25 °C |
| Solubility in water                             | ca. 0.009 kg/m <sup>3</sup> at 23 °C    |
| pH                                              | ca. 7                                   |
| n-octanol/water partition coefficient (log Pow) | > 3                                     |
| Dynamic viscosity                               | 12–14 Pa.s at 25 °C (ASTM D-445)        |
| Electrical conductivity                         | 1150 pS/m at 22 °C                      |

Typical values only. They do not constitute a specification; refer to the manufacturer for the supply specification.

### HAZARD IDENTIFICATION – PART A

**Regulation** Regulation (EC) No 1272/2008

**Signal word** Danger

#### Hazard statements

- H317 May cause an allergic skin reaction
- H319 Causes serious eye irritation

#### Precautionary statements

- P305 B If in eyes separate eyelids with finger tips
- P314 Get medical advice/attention if you feel unwell
- P351 Rinse cautiously with water for several minutes
- P302 + P352 IF ON SKIN: Wash with plenty of water

#### Classification and labelling

Directives 67/548/EEC or 1999/45/EC: this substance is not classified as dangerous according to Directive 67/548/EEC.

**Label elements** Toxic. Environmentally hazardous according to EU Directive 67/548/EEC or 1999/45/EC

### COMPOSITION – PART A

| Chemical name                                                                            | CAS No     | EC No      | Content % |
|------------------------------------------------------------------------------------------|------------|------------|-----------|
| 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane | 25068-38-6 | Not stated | 100       |

### FIRST-AID MEASURES

#### Description of first-aid measures

|                     |                                                                                                                                                                                                                                                                                                       |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Immediately remove from further exposure. Get immediate medical assistance. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. Give supplemental oxygen, if available. If breathing has stopped, assist ventilation with a mechanical device. |
| <b>Ingestion</b>    | Seek medical advice immediately and show product label. Do not induce vomiting.                                                                                                                                                                                                                       |
| <b>Skin contact</b> | Immediately remove clothing. Wash contact areas with soap and water.                                                                                                                                                                                                                                  |
| <b>Eye contact</b>  | Flush thoroughly with water for at least 15 minutes. Get medical assistance.                                                                                                                                                                                                                          |

### Inhalation (alternative)

Supply fresh air and consult a doctor. If unconscious put patient into recovery position.

## FIRE-FIGHTING MEASURES

### Extinguishing media

Extinguish with foam, dry powder, carbon dioxide (CO<sub>2</sub>) or a dry, non-combustible material such as dry sand or earth to extinguish flames.

### Hazardous combustion products

Aldehydes and acids.

### Advice for firefighters

Do not inhale explosion gases or combustion gases. Wear self-contained breathing apparatus. Isolate from heat, electrical equipment, sparks and open flame.

## ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: wear protective clothing as described in Section 8 of this data sheet.

### Environmental precautions

Large spills: dyke far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

### Methods and material for containment and clean-up

Land spill: stop leak if you can do so without risk. Do not touch or walk through spilled material. Prevent entry into waterways, sewer, basements or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Water spill: stop leak if you can do so without risk. Consult an expert.

Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature (and in the case of a water spill, wave and current direction and speed) may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Local regulations may prescribe or limit action to be taken.

### Reference to other sections

See Sections 8 and 13.

## HANDLING AND STORAGE

### Precautions for safe handling

Ensure good ventilation.

### Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Individuals having sensitive skin may find it beneficial to use a barrier cream or moisturiser when excessive or prolonged contact with the skin is likely. See also Section 8 for additional information on hygiene measures.

### Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see Section 10) and food and drink. Store under cover where possible to prevent moisture ingress into material. Keep container tightly closed and sealed until ready for use. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

### Specific end use(s)

The identified end use is a two-component epoxy high friction surfacing system. No industrial or sector-specific guidance available.

### EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### Control parameters – Part A

Domestic regulations: TWA 60 ppm. Information about recommended monitoring procedures can be obtained from the Health and Safety Executive (HSE), UK.

#### Engineering controls

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. No special requirements under ordinary conditions of use and with adequate ventilation.

#### Respiratory protection

If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use and maintenance must be in accordance with regulatory requirements, if applicable. Positive-pressure, air-supplied respirator in areas where H<sub>2</sub>S vapours may accumulate is recommended. CEN standards EN 136, 140 and 405 provide respirator masks and EN 149 and 143 provide filter recommendations. For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

#### Hand protection

Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. CEN standards EN 420 and EN 374 provide general requirements and lists of glove types.

#### Eye protection

If contact with material may occur, safety glasses and face shield are recommended.

#### Skin and body protection

Chemical-resistant clothing. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved, and should be approved by a specialist before handling this product.

#### Specific hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practise good housekeeping.

#### Environmental controls

Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.

### STABILITY AND REACTIVITY

|                                    |                                                                                                                                                                                                                                                       |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                         | Material is stable under normal storage conditions (Parts A and B).                                                                                                                                                                                   |
| Chemical stability                 | No decomposition if used as directed.                                                                                                                                                                                                                 |
| Possibility of hazardous reactions | Hazardous polymerisation will not occur.                                                                                                                                                                                                              |
| Incompatible materials             | Strong acids and bases, strong oxidisers.                                                                                                                                                                                                             |
| Hazardous decomposition products   | Material does not decompose at ambient temperatures. In case of fire, hazardous decomposition products may be produced such as carbon monoxide (CO), carbon dioxide (CO <sub>2</sub> ), hydrogen, methane, methyl alcohol and flammable hydrocarbons. |

### TOXICOLOGICAL INFORMATION

#### Part A

Acute data: LD50 oral rat 11.4 g/kg. LD50 dermal rabbit >20 g/kg.

### ECOLOGICAL INFORMATION

The environmental impact of this product has not been fully investigated. The information given is based on data available for the material, the components of the material, and similar materials.

**Other adverse effects** No adverse effects are expected.

### DISPOSAL CONSIDERATIONS

Disposal recommendations are based on the material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at the time of disposal.

**Waste treatment methods** Suitable routes of disposal are supervised incineration, preferentially with energy recovery, or appropriate recycling methods in accordance with applicable regulations and material characteristics at the time of disposal.

**Regulatory disposal information** Dispose of according to local and national regulations.

**Special precautions** This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Do NOT pour material down drains.

### TRANSPORT INFORMATION

Transport product in compliance with the provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2013 – IMDG 2012 – ICAO/IATA 2014).

#### Part A

Not classified as hazardous for carriage.

**Road and rail (ADR/RID)** Class 9, item 11(C), miscellaneous substances, Kemler number 90, UN 3082, environmentally hazardous substance, liquid, n.o.s. (epoxy resin)

**Maritime (IMO)** UN 3082, class 9, packing group III, miscellaneous substances, marine pollutant: No, environmentally hazardous substance, liquid, n.o.s. (epoxy resin)

**Air (ICAO/IATA)** UN 3082, class 9, packing group III, miscellaneous substances, environmentally hazardous substance, liquid, n.o.s. (epoxy resin)

### REGULATORY INFORMATION

Applicable EU directives and regulations: Regulation (EC) No 1907/2006 (REACH), on the registration, evaluation, authorisation and restriction of chemicals, and amendments thereto; Regulation (EC) No 1272/2008 (CLP), on classification, labelling and packaging of substances and mixtures, and amendments thereto.

Refer to the relevant EU or national regulation for details of any actions or restrictions required by the above regulations and directives.

**REACH information** A chemical safety assessment has been carried out for one or more of the substances present in the material.

### GUIDANCE NOTES AND REFERENCES

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Sources of information used in preparing this data sheet included one or more of the following: results from in-house or supplier toxicology studies, CONCAWE product dossiers, publications from other trade associations such as the EU Hydrocarbon Solvents REACH Consortium, U.S. HPV Program Robust Summaries, the EU IUCLID Data Base, U.S. NTP publications, and other sources, as appropriate.

- Preventing Dermatitis at Work, INDG 233
- Medical aspects of occupational skin disease, MS 24
- Workplace Exposure Limits, EH 40
- Available from HMSO and HSE sources: [www.hse.gov.uk](http://www.hse.gov.uk) and [www.opsi.gov.uk](http://www.opsi.gov.uk)

### ABBREVIATIONS

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AICS Australian Inventory of Chemical Substances · AIHA WEEL American Industrial Hygiene Association Workplace Environmental Exposure Limits · ASTM ASTM International · DSL Domestic Substance List (Canada) · EINECS European Inventory of Existing Commercial Substances · ELINCS European List of Notified Chemical Substances · ENCS Existing and New Chemical Substances (Japan) · IECSC Inventory of Existing Chemical Substances in China · KECI Korean Existing Chemicals Inventory · NDSL Non-Domestic Substances List (Canada) · NZIoC New Zealand Inventory of Chemicals · PICCS Philippine Inventory of Chemicals and Chemical Substances · TLV Threshold Limit Value (ACGIH) · TSCA Toxic Substances Control Act (U.S.) · UVCB Substances of Unknown or Variable composition, Complex reaction products or Biological materials · LC Lethal Concentration · LD Lethal Dose · LL Lethal Loading · EC Effective Concentration · EL Effective Loading · NOEC No Observable Effect Concentration · NOELR No Observable Effect Loading Rate · VOC Volatile Organic Compound · N/A Not applicable · N/D Not determined · NE Not established.

### NOTICE TO THE READER

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The information and recommendations contained herein are, to the best of the manufacturer's knowledge and belief, accurate and reliable as of the date issued. Contact CID Trading LTD to ensure that this document is the most current available. The information and recommendations are offered for the user's consideration and examination. It is the user's responsibility to satisfy itself that the product is suitable for the intended use. If buyer repackages this product, it is the user's responsibility to ensure proper health, safety and other necessary information is included with and/or on the container. Appropriate warnings and safe-handling procedures should be provided to handlers and users. Alteration of this document is strictly prohibited. Except to the extent required by law, re-publication or retransmission of this document, in whole or in part, is not permitted.

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