

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

- Two-component epoxy high friction surfacing system: Part B component
- Liquid, straw coloured, ammonia odour
- Supplied in the kit with Part A, 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 B
Product name	Ground Pro 365 Epoxy Grip Kit - Part B
Product code	LM00071 (Buff), LM00072 (Green), LM00073 (Red), LM00074 (Grey), LM00075 (Blue)
Company name	CID Trading Limited
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PRODUCT VARIANTS

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

PHYSICAL AND CHEMICAL PROPERTIES

Property	Part B
Physical state	Liquid
Colour	Straw
Odour	Ammonia
Boiling point	Not stated
Melting point range	Not stated
Flash point	> 127 °C (closed cup)
Auto-ignition temperature	Not stated
Decomposition temperature	> 250 °C

Property	Part B
Vapour pressure	Not stated
Density	1.08 g/cm ³
Solubility in water	Insoluble in water
pH	Not stated
n-octanol/water partition coefficient (log Pow)	Not stated
Dynamic viscosity	Not stated
Electrical conductivity	Not stated

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

HAZARD IDENTIFICATION – PART B

Regulation	Regulation (EC) No 1272/2008
Signal word (Section 2)	Danger
Signal word (Section 15)	Toxic

Hazard statements

- H301 Toxic if swallowed
- H311 Toxic in contact with skin
- H314 Causes severe skin burns and eye damage
- H341 Suspected of causing genetic defects
- H373 May cause damage to organs through prolonged or repeated exposure
- H411 Toxic to aquatic life with long lasting effects

Precautionary statements

- P201 Obtain special instructions before use
- P202 Do not handle until all safety precautions have been read and understood
- P260 Do not breathe dust/fume/gas/mist/vapours/spray
- P264 Wash hands thoroughly after handling
- P270 Do not eat, drink or smoke when using this product
- P271 Use only outdoors or in a well-ventilated area
- P273 Avoid release to the environment
- P280 Wear protective gloves/protective clothing/eye protection/face protection
- P314 Get medical advice/attention if you feel unwell
- P330 Rinse mouth
- P361 Take off immediately all contaminated clothing
- P363 Wash contaminated clothing before reuse
- P405 Store locked up
- P501 Dispose of contents/container to authorised disposal site
- P301 + P310 IF SWALLOWED: Immediately call a doctor
- P302 + P352 IF ON SKIN: Wash with plenty of water
- P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing
- P308 + P311 IF exposed or concerned: Call a doctor
- P403 + P233 Store in a well-ventilated place. Keep container tightly closed

- P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
- P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

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 B

Chemical name	CAS No	EC No	Content %
Phenol, styrenated	61788-44-1	262-975-0	50–60
1,3-bis(aminomethyl)benzene	1477-55-0	Not stated	10–15
Phenol	108-95-2	Not stated	5–10
Trade secret	Not stated	Not stated	15–20
Benzyl alcohol	100-51-6	202-859-9	0–5

FIRST-AID MEASURES

Description of first-aid measures

Inhalation	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.
Ingestion	Seek medical advice immediately and show product label. Do not induce vomiting.
Skin contact	Immediately remove clothing. Wash contact areas with soap and water.
Eye contact	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.

Most important symptoms and effects, both acute and delayed

- Part B, phenol (108-95-2): anorexia, weight loss, lassitude
- Part B, 1,3-bis(aminomethyl)benzene (1477-55-0): liver, kidney and lung damage

Indication of any immediate medical attention and special treatment needed

Part B: the need to have special means for providing specific and immediate medical treatment available in the workplace.

FIRE-FIGHTING MEASURES

Extinguishing media	Extinguish with foam, dry powder, carbon dioxide (CO ₂) or a dry, non-combustible material such as dry sand or earth to extinguish flames.
Hazardous combustion products	May cause hazardous and toxic products such as chloride, carbon monoxide, methane, formaldehyde and acetic acid.
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. A vapour-suppressing foam may be used to reduce vapour. 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 B

- 1477-55-0 (1,3-bis(aminomethyl)benzene): C 0.1 mg/m³ (domestic regulations, ACGIH (TLV), NIOSH (REL))
- 108-95-2 (phenol): TWA 5 ppm (19 mg/m³) (ACGIH (TLV), NIOSH (REL), OSHA (PEL), skin); NIOSH (IDLH) 250 ppm

Exposure limits are not additive. 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 H₂S 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.
Conditions to avoid	Keep away from heat.
Incompatible materials	Acid, amine, anhydride, oxidising agent, chloroform, chloroform acid.
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 ₂), hydrogen, methane, methyl alcohol and flammable hydrocarbons.

TOXICOLOGICAL INFORMATION

Part B – acute toxicity

- Oral, 1477-55-0: LD₅₀ 980 mg/kg rat (female), 1090 mg/kg rat (male)
- Oral, 108-95-2: LD₅₀ 670 mg/kg rat; LD₅₀ 270 mg/kg mouse

- Oral, 61788-44-1: LD50 >2000 mg/kg rat
- Dermal, 1477-55-0: LD50 2000 mg/kg rabbit
- Dermal, 108-95-2: LD50 670 mg/kg rat
- Dermal, 61788-44-1: LD50 >2000 mg/kg rat
- Inhalation, 1477-55-0: LC50 2800 ppm, 4 hr, rat; LC50 0.8 mg/l (female), >1.42 mg/l (male), 4 hr, rat
- Inhalation, 108-95-2: LC50 (dust) 0.316 mg/l, 4 hr, rat
- Inhalation, 61788-44-1: 4.9 mg/kg rat

Part B – other effects

- Skin corrosive/irritant: 1477-55-0 corrosive to guinea pig skin, bleeding to rat skin; 108-95-2 corrosive (rabbit, human)
- Serious eye damage/irritation: 1477-55-0 corrosive to rat; 108-95-2 serious eye damage (rabbit)
- Respiratory: no data
- Skin sensitisation: 1477-55-0 sensitising; 108-95-2 no sensitisation
- Carcinogenicity: 108-95-2 not classifiable as to its carcinogenicity to humans
- Additional information is available on request.

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.

Toxicity	Harmful to aquatic organisms.
Persistence and degradability	Expected to be low persistence.
Bioaccumulative potential	Not bioaccumulative.
Mobility in soil	108-95-2 (phenol): highly mobile.
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 B

Not classified as hazardous for carriage unless heated above 100 °C, when the following information will apply.

Land (ADR/RID)

UN 3082, class 9, packing group III. Proper shipping name: amines, liquid, corrosive, n.o.s. or polyamines, liquid corrosive n.o.s. Environmental hazards: fish and tree. Special precautions for users: warning, miscellaneous dangerous substances and articles.

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

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 and www.opsi.gov.uk

ABBREVIATIONS

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

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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