



TEL 0844 800 4665

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Safety Data Sheet

1. Identification of product	
1.1 Product Name	Limpac 85/15
Other names	Hydrated lime, calcium hydroxide, slaked lime, calcium dehydrate <i>blended with</i> Powder Activated Carbon
1.2 Address/ tel	Blend-i-Pack Ltd, Unit 1, Tongue Lane Ind Est, Buxton, SK17 7LN tel 0844 800 4665
	In an emergency dial 999
2. Composition/ Information on ingredients	Calcium Hydroxide [Ca(OH) ₂] approx 85% Powder Activated Carbon approx 15%
	Hazardous ingredient calcium hydroxide R38, R41 (see detail in section 15) CAS No. 1305-62-0 EINECS No 215-137-3
3. Hazard Identification	Irritating to skin and eyes. Can cause burns in the presence of moisture. Risk of serious damage to eyes. It is advisable to ensure that eyewash facilities are available when hydrated lime is handled.
4. First Aid Measures	Remove from exposure. Irrigate nose & throat with water if possible for at least 20 minutes and seek further medical advice.
Inhalation	Always treat immediately if product has come into contact with eyes. Remove particles with cotton wool bud, irrigate with eyewash or clean water until medical help is obtained. Obtain medical attention immediately.
Eye contact	Avoid moisture when the powder has come into contact with skin. Wash skin quickly after it has been in contact with the product. SEEK MEDICAL ATTENTION IMMEDIATELY.
Skin contact	Symptomatic, if necessary. No known delayed effects. Prolonged or repeated contact with skin may result in more severe irritation or dermatitis.
Ingestion	Unlikely to cause any reactions. Larger doses may irritate gastrointestinal tract. Do not induce vomiting, wash out mouth with water and give copious quantities of water to drink.
Further medical treatment	No known delayed effects. Prolonged or repeated contact with skin may cause irritation or dermatitis. Prolonged or repeated inhalation of high dust concentrations may cause ulceration and perforation of the nasal septum and pneumonitis.
5. Fire fighting measures	Non combustible. Lime inhibits the spread of flame. No special fire fighting procedure, extinguisher media or explosion hazard is identified.
6. Accidental release measures	Spillages: contain spillage and keep DRY if possible. Use vacuum suction unit, or shovel into bags using appropriate protective equipment. Cover or enclose area if possible to avoid unnecessary dust hazard. Avoid contamination of drains and watercourses. Spillage into watercourses must be alerted to the Environment Agency or other appropriate

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	regulatory body.
7. Handling, ventilation & Storage	Avoid contact with skin and eyes. Avoid inhalation of high concentrations of dust.
Storage	Should be stored in a cool, dry environment, free from draughts. Bulk storage should be in a purpose built silo. Products in bags should be stored in a draught free brick or concrete building.
Handling:	Wear suitable gloves, overalls and eye/face protection. Wear suitable respiratory protection equipment if exposure to atmospheric dust levels above the occupational exposure standard is likely. Occupational exposure standard: 5mg/m ³ (8 hr TWA). Handling systems should be enclosed, or suitable ventilation installed to maintain atmospheric dust below OES. Rubber, leather or fabric /composite gloves provide suitable hand protection. Long sleeved overalls, close fitting at the openings. Wide vision full goggles with anti-mist for eye protection. Use approved dust respirators, or air-stream helmet.
8. Exposure control / personal protection	
Occupational Exposure Standard	5mg/m ³ (8 hr TWA)
	Handling systems should be enclosed or suitable ventilation installed to maintain atmospheric dust below OES. All ventilation systems should be filtered before discharge to atmosphere.
	If the atmospheric dust levels exceed the occupational exposure standard, wear suitable protective equipment. Use approved dust respirators to EN149 category FFP2, or air-stream helmet for heavy exposure and long sleeved overalls with close fittings at openings, boots that resist dust penetration. Rubber, leather or fabric lined/ impervious outer gloves provide suitable hand protection. Wide vision full goggles to BS 2092 grade 1 impact with anti mist for eye protection.
9. Physical and chemical properties.	Calcium hydroxide only
Form Colour Odour pH solubility vapour pressure relative density melting (decomposition) point	Fine dry powder Grey Faint earthy odour 12.4 (aqueous solution approx 2g/litre) 1.8g/ litre at 10 deg C 0 at 20 deg C 2.3 580 deg C
10. Stability & reactivity	Stable up to 580 deg C
Avoid:	Exposure to air to avoid degradation. Reacts vigorously with strong acids. Attacks aluminium, lead and brass in the presence of moisture.
Hazardous decomposition products:	Decomposes with loss of water at approx. 580°C to form calcium oxide (quicklime).
11. Toxicological Information	High concentration of dust may be irritant to the respiratory

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	tract.
Inhalation	Irritant in the presence of moisture.
Skin Contact	Painful irritant, with risk of severe and permanent damage to eyes.
Eye Contact	May cause irritation of the gastrointestinal tract.
Ingestion	Prolonged and repeated skin contact may cause dermatitis.
Long term exposure	
12. Ecological Information	The product is considered to be non toxic.
Mobility:	Sparingly soluble in water to form alkaline solution. Low mobility in most ground conditions.
Persistence & degradation:	Non-biodegradable – reacts with atmospheric and dissolved carbon dioxide to form calcium carbonate (chalk)
Eco Toxicity:	LC50 aquatic toxicity values are > 100mg/l. High concentrations (>100mg/l) may have a sterilizing effect in sewage works. Product is extensively used in treatment of acid wastes and sewage sludges.
Bio-accumulative Potential	The product has no potential to accumulate in the food chain.
13. Disposal Considerations	Disposal should be in accordance with current local and national legislation (normally only to be disposed of in licensed waste facilities.) Contaminated packaging can be incinerated.
14. Transport information	Not classified as hazardous for transport IMDG (Sea) Not classified ADR (Road) Not classified RID (Rail) Not classified IATA (Air) Not classified
15. Regulatory information	The Chemicals (Hazard Information & Packaging) Regulations 2002 Statutory Instrument 2002 no. 1689
	None
Classification for conveyance:	None
Classification for supply:	Irritant
Risk phrases:	R38 – irritating to skin R41- Risk of serious damage to eyes
Safety phrases:	S2 – Keep out of reach of children S22 – do not breathe dust S26 – in case of contact with eyes, rinse immediately with plenty of water and seek medical attention. S37 – wear suitable gloves S39 – wear face/ eye protection
	Occupation exposure limits 2002 – HSE Guidance note EH40/02 OES 5mg/m ³ (8 hour TWA)
	Data sheet prepared in accordance with Directive 2001/58/EC
16. Other information	Revised October 2010, supersedes all previous issues.