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| **Company Name:**  Site: | |  | **COSHH**  **Assessment** | |
|  |  |  |  |  |
| Supplier: |  | | COSHH Number | 14 |
|  |  | | | page 1 |
| Assessment By: | Activity: | | Review Date | Assessment Date |
|  | Use of hydrated lime for lime mortar | |  |  |
|  | Persons/Groups at Risk | |  |  |
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| **NAME OF HAZARDOUS SUBSTANCE USED OR CREATED** |
| **Substance: HYDRATED LIME** |

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| Flammable | |  | Oxidising | |  |  | |  | http://www.hse.gov.uk/chemical-classification/images/pictogram-gallery/irritant.gif | |  | Health hazard | |  | Corrosive | | |
| **FLAMMABLE** | |  | **OXIDISING** | |  | **EXPLOSIVE** | |  | **IRRITANT** | |  | **HARMFUL** | |  | **CORROSIVE** | | |
| **YES** | **NO** |  | **YES** | **NO** |  | **YES** | **NO** |  | **YES** | **NO** |  | **YES** | **NO** |  | **YES** | NO | |
|  |  |  |  |  |  |  |  |  | **✓** |  |  | **✓** |  |  | **✓** |  | |
| Insert ✓ in appropriate boxes | | | | | | | | | | | | | | | | | |
|  | |  | Toxic | |  |  | |  |  | |  |  | |  |  | | |
| **COMPRESSED GAS** | |  | **TOXIC** | |  | **HARMFUL TO THE EINVIRONMENT** | |  |  | |  |  | |  |  | | |
| **YES** | **NO** |  | **YES** | **NO** |  | **YES** | **NO** |  | **YES** | **NO** |  | **YES** | **NO** |  | **YES** | NO | |
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| Insert ✓ in appropriate boxes | | | | | | | | | | | | | | | | | |

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| Please add comments into boxes where required. | | Insert ✓ in appropriate boxes | | **YES** | **NO** | |
| Is Manufacturers Safety Data Sheet available? | | |  | ✓ |  | |
| Does the Substance have a Workplace Exposure Limit (WEL)? | | |  | ✓ |  | |
| If the substance has a WEL please state. if un-sure check HSE document – EH40 | | | 5 mg.m-3 | ✓ |  | |
| Can a safer substance be used or can the substance be enclosed or extracted. | | |  | ✓ |  | |
| Will employees be given information and training? | | |  |  | ✓ | |
| Will Personal Protective Equipment be provided for employees? | | |  | | | |
| State the standard of RPE (respirators) | | | FFP3 mask when mixing dry powder | ✓ |  | |
| State the standard of Goggles or Spectacles | | | BS EN 166 goggles or glasses | ✓ |  | |
| State the standard of Gloves | | | Use impervious, abrasion  and alkali resistant gloves (made of low  soluble Cr (VI) containing material),  internally lined with cotton | ✓ |  | |
| State the standard of Overalls | | |  |  | ✓ | |
| State the standard of Boots | | | BS EN 345 | ✓ |  | |
| Other Equipment | | | Attach details if YES |  | ✓ | |
| Will Exposure Monitoring and/or Control Measures be required? | | | Attach details if YES |  | ✓ | |
| Will Health Surveillance be necessary? | | | Attach details if YES |  | ✓ | |
| Does this Substance need to be disposed of by a Waste Disposal Contractor? | | | | ✓ |  | |
| Have all necessary First-aid requirements been provided? | | |  | ✓ |  | |
| Have Storage requirements for the substance been provided/arranged on site? | | |  | ✓ |  | |
| **FIRST AID, FIRE FIGHTING, STORAGE & HANDLING, DISPOSAL AND ACCIDENTAL RELEASE INSTRUCTIONS ARE PROVIDED ON PAGES 2 & 3** | | | **Number of Sheets attached to this Assessment** | | |  |
| FIRST AID INSTRUCTIONS | | | | | | |
| **Route of Exposure, or**  **Type of Injury** | **First Aid Treatment** | | | | | |
| Skin Contact | For dry hydrated lime, remove and rinse abundantly with water. For wet hydrated lime, wash skin with water. Remove contaminated clothing, footwear, watches, etc. and clean thoroughly before re-using them. Seek medical treatment in all cases of irritation or burns. | | | | | |
| Eye Contact | Do not rub eyes, as additional cornea damage is possible by mechanical stress. Remove any contact lenses and open the eyelid(s) widely to flush eye(s) immediately by thoroughly rinsing with plenty of lean water for at least 45 minutes to remove all particles. If possible, use isotonic water (0.9% NaCl). Contact a specialist of occupational medicine or an eye specialist. | | | | | |
| Inhalation | Move person to fresh air. Dust in throat and nasal passages should clear spontaneously. Contact a physician if irritation persists or later develops or if discomfort, coughing or other symptoms subside. | | | | | |
| Ingestion | Do not induce vomiting. If person is conscious, wash out mouth with water and give plenty of water to drink. Get immediate medical attention or contact anti poison centre. | | | | | |
| General Information | None | | | | | |

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| **FIRE FIGHTING MEASURES** | |
| **Hazard** | **Measures** |
| Fire | Hydrated limes are non-combustible and non-explosive and will not facilitate nor support combustion of other materials. |
| Stability | Dry hydrated limes are stable as long as they are stored properly (see Heading 7) and compatible with most other building materials. |
| Decomposition Products | Hydrated limes will not decompose into other hazardous by-products and do not polymerise. |

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| **MANUFACTURERS INFORMATION** | |
| **Manufacturers Name and Address** | Lafarge Hydrated lime United Kingdom  Portland House  Bickenhill Lane  Birmingham B37 7BQ |
| **Manufacturers Health & Safety Data Sheet Reference** | N/A |
| **24 Hour Emergency Telephone Number** | 0845 812 6232 |
| **Regulatory Information: Warning Label Phrases** | H315 - Causes skin irritation.  H318 - Causes serious eye damage.  H335 - May cause respiratory irritation.  H350 - May cause cancer (Inhalation).  H402 - Harmful to aquatic life  P202 - Do not handle until all safety precautions have been read and understood.  P260 - Do not breathe dust.  P264 - Wash hands, forearms, and exposed areas thoroughly after handling.  P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment.  P280 - Wear eye protection, protective clothing, protective gloves, respiratory protection. 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.  P304+P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  P310 - Immediately call a POISON CENTER, a doctor. P363 - Wash contaminated clothing before reuse. P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  P405 - Store locked up.  P501 - Dispose of contents/container in accordance with local, state, regional, national, provincial, territorial, and international regulations. |

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| **STORAGE AND HANDLING** | |
| **Hazard** | **Measures** |
| Handling | ***General:*** During work avoid kneeling in fresh mortar or concrete wherever possible. If kneeling is absolutely necessary then appropriate waterproof personal protective equipment must be worn.  Do not eat, drink or smoke when working with hydrated lime to avoid contact with skin or mouth. Immediately after working with hydrated lime or hydrated lime containing materials, workers should wash or shower or use skin moisturizers. Remove contaminated clothing, footwear, watches, etc. and clean thoroughly before re-using them.  For (bagged) hydrated lime used in open-ended mixers: Keep the height of the fall low. Start the mixing smoothly. Do not compress empty bags, except when contained in another clean bag. |
| Storage | Packed products should be stored in unopened bags clear of the ground in cool, dry conditions and protected from excessive draught in order to avoid degradation of quality. Bags should be stacked in a stable manner. |

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| DISPOSAL MEASURES | |
| **Hazard** | Measures |
| Pollution of water courses or drains | ***1 Product - hydrated lime that has***  ***exceeded its shelf life***  Disposal should be in accordance with current local and national legislation. Hydrated lime can normally be disposed only to licensed waste facilities.  ***2 Product - unused residue or dry***  ***spillage***  Pick up dry. Mark the containers. Possibly reuse depending upon shelf life considerations and the requirement to avoid dust exposure. In case of disposal, expose to water and dispose according to 4.  ***3 Product – slurries***  Avoid entry in sewage and drainage systems or into bodies of water (e.g. streams) and dispose of as indicated in 4.  ***4 Product - after addition of water***  Dispose of according to the local legislation. Avoid entry into the sewage water system. Not classified as hazardous for transport. |

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| ACCIDENTAL RELEASE MEASURES | |
| **Hazard** | Measures |
| Spillage | Do not wash hydrated lime down sewage and drainage systems or into bodies of water (e.g. streams).  Recover the spillage in a dry state if possible.  ***Dry hydrated lime:*** Use dry cleanup methods that do not cause airborne dispersion, e.g.:  • Vacuum cleaner (Industrial portable units, equipped with high efficiency particulate filters (HEPA filter) or equivalent technique).  • Wipe-up the dust by mopping, wet brushing or water sprays or hoses (fine mist to avoid that the dust becomes airborne) and remove slurry. If not possible, remove by slurrying with water (see wet hydrated lime). When wet cleaning or vacuum cleaning is not possible and only dry cleaning with brushes can be done, ensure that the workers wear appropriate personal protective equipment and  prevent dust from spreading. Avoid inhalation of hydrated lime and contact with skin. |

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| USAGE/EXPOSURE | |
| **Frequency and Duration of use** |  |
| **Maximum number of people involved in activity** |  |
| **Quantities stored/used** |  |
| **Exposure levels** |  |

**Safe System of Work**

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**Operatives Acknowledgement**

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| **Name:** | **Signature:** | **Date:** | **Name:** | **Signature:** | **Date:** |
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