

COSHH ASSESSMENT

Task	Use of Saint Astier Natural Hydraulic Limes (NHL)3.5		
Area / Location	Fraser House	ASSESSMENT No	COSHH
Assessed By	John Russell & Jordan Beasley	Date	12 th July 2022
Title	Health and safety advisor	Review date	As required
Signal Word		Danger	
The Substance – Hazard Identification			
Please denote the properties of the substances used in the task			
 X Corrosive (causes severe skin burns and eye damage), serious eye damage	 Respiratory sensitiser, mutagen, carcinogen, reproductive toxicity, systemic target organ toxicity, aspiration hazard	 Acute toxicity, Very toxic (fatal), Toxic etc	 X Harmful skin irritation, serious eye irritation
 Harmful to the Environment	 Flammable gasses, liquids, solids, aerosols, organic peroxides, self-reactive, pyrophoric, self-heating etc	 Explosive, self reactive, organic peroxide	 oxidising gases, liquids, solids
 Gasses under pressure			
First Aid Requirements			
Details to be found on the Material Safety Data Sheet			
Exposure Via	First Aid Treatment		
Inhalation	Move away the source generating dust or bring the victim away from the source of dust and place the victim outside to breathe fresh air. Consult a doctor without delay.		
Ingestion	Rinse mouth with clean water. Drink water abundantly. Do not induce vomiting. Call a doctor as soon as possible.		
Skin Contact	Gently and carefully brush off all traces of the substance on the affected areas. Abundantly wash with clean running water the affected area. Take off contaminated clothing. If necessary seek medical advice.		
Eye Contact	Wash eyes immediately with clean water or, if possible, with an isotonic liquid. Obtain medical advice.		
General advice	No delayed effects known. Consult a doctor/physician in all case of severe exposure to the substance or in case of doubt. NHL lime does not have acute toxicity in respect of oral, skin or respiratory exposure. The substance is classified as irritant for the skin and respiratory ways and presents a risk of serious eyes damage. No deadly effects are suspected; the principal danger is restricted to localised effects (effect pH).		
The effects of the substance on the body.			
Take into account any changes in the substances state, during the task			
Substance (s) Used In Task (List below)	Nature of Hazard(s) Associated with Substance Detail the effect of the substance on the body throughout the duration of its use and changing states.		
Saint Astier (NHL)3.5	Causes skin irritation		
Saint Astier (NHL)3.5	Causes serious eye damage		

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Saint Astier (NHL)3.5	May cause respiratory irritation
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Source, Duration and Risk of Exposure			
Identify at what stage of the task the exposure will happen and how. E.g. Inhalation of Rock wool fibres whilst opening bag.			
Substance(s)	Source(s) of Exposure (include route of entry)	Duration of Exposure (Min / Hrs)	Risk from Exposure (High, Med, Low)
Saint Astier (NHL)3.5	Inhalation, eye and skin contact when handling bags for storage		
Saint Astier (NHL)3.5	Inhalation, eye and skin contact when mixing		
Saint Astier (NHL)3.5	Eye and skin contact when applying		
Saint Astier (NHL)3.5	Inhalation, eye and skin contact when containing spill		
Emergency and Disposal			
Detail the requirements to deal with accidental release and disposal of the substance.			
Accidental release	Ensure adequate ventilation, Avoid release of dust as much as possible. Keep away persons not wearing appropriate protective equipment. Avoid all contact with skin, eyes and clothing. Wear appropriate protective equipment. Avoid inhaling dust Ensure adequate ventilation or wear respiration masks Wear appropriate protective clothing		
Disposal	Dispose of bags content/empty bags at a point of refuse collection. Before disposal, NHL lime should be made inert by wetting it to induce hardening and bags should be completely emptied.		
Fire Fighting	The product is not combustible. Use all methods appropriate to the source of the fire.		
Control Measures			
Identify actions to eliminate the hazard, substitute the hazardous for the less harmful, engineering control, competency or specific PPE required.			
Control Measure(s) required to work safely			Completed
Keep out of reach of children			
Store in a dry place. Keep product dry if possible			
NHLs produce an exothermic reaction in contact with acids to form salts. In presence of humidity the NHLs react with aluminium and brass producing hydrogen $\text{Ca(OH)}_2 + 2\text{Al} + 6\text{H}_2\text{O} \rightarrow \text{Ca[Al(OH)}_4\text{]}_2 + 3\text{H}_2$			
Dispose of bags content/empty bags at a point of refuse collection. Before disposal, NHL lime should be made inert by wetting it to induce hardening and bags should be completely emptied.			
Label all recipients where dust has been collected			
Wear protective gloves/clothing/eye and face protection			
Appropriate barrier creams can be used.			
Wash hands after each manipulation.			
General measures of hygiene at work are essential to ensure safe handling of the product. These include: Good personal practices, regular cleaning of the place of work, no alcohol drinking, eating or smoking at the place of work.			
Shower and change clothing at the end of work.			
Separate work clothing from other clothing. Clean them separately. Do not bring home any contaminated clothing.			
Authorised by The Responsible Manager	Name:	Signed:	Dated: