

RepairPro FCB



SECTION 1:	IDENTIFICATION OF SUBSTANCE / PREPARATION AND ON THE COMPANY / UNDERTAKING		
Product name:	RepairPro FCB		
	Recommended use: Cementitious blow hole filler		
Company:	North Construction FZ LLC		
Address:	Compass Building, AL Hulaila Industrial Zone-FZ, Ras Al Khaimah, United Arab Emirates		
Email:	info@northconstructiongroup.com		
Telephone:	+971 600 5 88224		
SECTION 2:	HAZARDS IDENTIFICATION		
Classification of the substance or mixture			
Classification (EC 1272/2008)			
Physical hazards	Not Classified		
Health hazards	Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 STOT SE 3 - H335		
Environmental hazards	Not Classified		
Human health	Dust or splashes from the mixture may cause permanent eye damage. Dust may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing. Dust has an irritating effect on moist skin. Prolonged contact with moist or wet product may cause burns. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.		
Environmental	The product will harden into a solid mass in contact with water and moisture. The resultant material is not biodegradable.		
Label elements			
Hazard pictograms	 		
Signal word	Danger		
Hazard statements	H315 Causes skin irritation.		
	H318 Causes serious eye damage.		
	H317 May cause an allergic skin reaction.		
	H335 May cause respiratory irritation.		
Precautionary statements	P271 Use only outdoors or in a well-ventilated area.		
	P280 Wear protective gloves/ protective clothing/ eye/ face protection.		
	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		
	P501 Dispose of contents/ container in accordance with national regulations.		
Contains	SILICA SAND, ORDINARY PORTLAND CEMENT		
Other hazards	This product does not contain any substances classified as PBT or vPvB.		
SECTION 3:	COMPOSITION / INFORMATION ON INGREDIENTS		
Mixtures			
Name	Concentration (% w/w)	Ident. Numb.	Classification
SILICA SAND	30-60%	CAS:14808-60-7	Eye Irrit. 2 - H319 STOT SE 3 - H335
ORDINARY PORTLAND CEMENT	30-60%	CAS:65997-15-1 EC : 266-043-4	Skin Irrit. 2, H315; Eye Dam 1, H318; Skin Sens. 1, H317; STOT SE 3 - H335
	The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.		

SECTION 4:		FIRST AID MEASURES
Description of necessary first-aid measures		
Inhalation	Move affected person to fresh air at once. Dust in throat and nasal passages should clear spontaneously. Get medical attention if irritation persists or later develops, or if discomfort, coughing or other symptoms persist.	
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.	
Skin contact	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Get medical attention promptly if symptoms occur after washing.	
Eye contact	Do not rub eye. Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse at least 15 minutes. Get medical attention. Show this Safety Data Sheet to the medical personnel.	
Most important symptoms/effects, both acute and delayed		
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.	
Inhalation	Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.	
Ingestion	Ingestion of large doses may result in irritation to the gastrointestinal tract.	
Skin contact	May have an irritating effect on moist skin after prolonged contact, or may cause dermatitis after repeated contact. Prolonged skin contact with wet preparation may cause serious burns without pain being felt, including through clothing.	
Eye contact	Eye contact may cause serious and potentially irreversible injuries.	
Indication of any immediate medical attention and special treatment needed		
Notes for the doctor	Treat symptomatically.	
SECTION 5:		FIRE FIGHTING MEASURES
Extinguishing media:		
Suitable extinguishing media:	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.	
Special hazards arising from the substance or mixture		
Specific hazards	Water used for fire extinguishing, which has been in contact with the product, may be corrosive. No unusual fire or explosion hazards noted.	
Hazardous combustion products	No known hazardous decomposition products.	
Advice for firefighters		
Protective actions during firefighting	No specific firefighting precautions known.	
Special protective equipment for firefighters	Use protective equipment appropriate for surrounding materials.	
SECTION 6:		ACCIDENTAL RELEASE MEASURES
Personal precautions, protective equipment and emergency procedures	Avoid inhalation of dust. Use work methods which minimize dust production. Avoid contact with eyes and prolonged skin contact. Wear protective clothing as described in Section 8 of this safety data sheet.	
Environmental precautions	Collect and dispose of spillage as indicated in Section 13. Do not discharge into drains or watercourses or onto the ground.	
Methods and material for containment and cleaning up	Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into suitable waste disposal containers and seal securely. Dry material: Collect powder using special dust vacuum cleaner with particle filter. Alternatively, damp powder with fine spray (to avoid dust formation) and remove slurry. Place into container and allow to solidify before disposal as described in section 13. Wet material: Clean up wet material and place in a container. Allow to dry and solidify before disposal as described in section 13.	
Reference to other sections	For personal protection, see Section 8. For waste disposal, see section 13	
SECTION 7:		HANDLING AND STORAGE
Precautions for safe handling	Avoid contact with skin and eyes. Avoid generation and spreading of dust. Avoid inhalation of dust. Mechanical ventilation or local exhaust ventilation may be required. Change contaminated clothing. Do not eat, drink or smoke when using the product.	
Conditions for safe storage, including any incompatibilities	Store in tightly-closed, original container in a dry and cool place. Seal opened containers and use up as soon as possible. To be stored out of reach of children in its original packaging in a dry place.	
Storage class	Chemical storage.	
Specific end use(s)	The identified uses for this product are detailed in Section 1	

SECTION 8:		EXPOSURE CONTROLS / PERSONAL PROTECTION
Control parameters		
Occupational exposure limits		
SILICA SAND	Long-term exposure limit (8-hour TWA): WEL 0,1 mg/m ³	
ORDINARY PORTLAND CEMENT	Long-term exposure limit (8-hour TWA): WEL 10 mg/m ³ inhalable dust Long-term exposure limit (8-hour TWA): WEL 4 mg/m ³ respirable dust WEL = Workplace Exposure Limit.	
ORDINARY PORTLAND CEMENT (CAS: 65997-15-1)	DNEL	Workers - Inhalation; Short term : 3 mg/m ³
Exposure controls		
Protective equipment	  	
Appropriate engineering controls:	Atmospheric levels of dust must be maintained within the Occupational Exposure Limit. Where mechanical methods are inadequate or impractical, appropriate personal protective equipment must be used.	
Personal protection	Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. This product may present a chromate (VI) allergy risk. Users should wear appropriate personal protective equipment.	
Eye/face protection	The following protection should be worn: Chemical splash goggles. (Conform EN 166)	
Hand protection	Use impervious, abrasion and alkali resistant gloves. Barrier cream applied before work may make it easier to clean the skin after exposure but does not prevent absorption through the skin.	
Other skin and body protection	Use barrier creams to minimise skin contact. Wear appropriate clothing to prevent repeated or prolonged skin contact.	
Hygiene measures	This product contains silica sands. The grain size distribution of silica sand present means that it is not classified as hazardous. However, any respirable crystalline dust generated by secondary processing may cause health effects. Prolonged and /or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness. Occupational exposure to respirable crystalline silica dust should be monitored and controlled.	
Respiratory protection	Wear a respirator fitted with the following cartridge: Particulate filter, type P2.	
SECTION 9:		PHYSICAL AND CHEMICAL PROPERTIES
Information on basic physical and chemical properties		
Appearance:	Dusty powder.	
Odour:	Odourless.	
Odour threshold:	Not relevant.	
Melting point / freezing point:	Not applicable.	
Initial boiling point and boiling range:	Not applicable.	
Flash point	Not applicable.	
Evaporation rate	Not applicable.	
Evaporation factor	Not applicable.	
Flammability (solid, gas)	Not applicable.	
Upper/lower flammability or explosive limits	The product is not flammable.	
Other flammability	Not applicable.	
Vapour pressure	Not applicable.	
Vapour density	Not applicable.	
Bulk Density	Not determined.	
Solubility(ies)	Soluble in water.	
Auto-ignition temperature	Not determined.	
Decomposition Temperature	Not determined.	
Viscosity	Not applicable.	
Explosive properties	Not considered to be explosive.	
Explosive under the influence of a flame	Not considered to be explosive.	
Oxidising properties	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.	
Comments	Information given is applicable to the product as supplied.	
Other information	Not available.	

SECTION 10:		STABILITY AND REACTIVITY	
Reactivity	When mixed with water, hardens to form a stable mass that is not reactive in normal conditions.		
Chemical stability	Stable under the prescribed storage conditions. This product has a shelf life. If not stored in accordance with packaging instructions (sealed and dry) There is a risk of the presence of hexavalent chromate leading to a risk of an allergic reaction		
Possibility of hazardous reactions	Not known. Will not polymerise.		
Conditions to avoid	Water, moisture.		
Incompatible materials	Materials to avoid: Acids. Chemically-active metals.		
Hazardous decomposition products	No known hazardous decomposition products.		
SECTION 11:		INFORMATION ON TOXICITY	
Skin sensitisation	Some individuals may exhibit eczema upon exposure to wet cement caused either by the high pH which induces irritant contact dermatitis, or by an immunological reaction to soluble Cr (VI) which elicits allergic contact dermatitis.		
Inhalation	Irritating to respiratory system. Inflammation of the nasal mucous membrane by exposure to cement dust.		
Ingestion	May cause irritation of mouth, throat and digestive tract.		
Skin contact	This product is strongly irritating. Prolonged contact may cause burns. May cause sensitisation by skin contact.		
Eye contact	Irritating and may injure eye tissue if not removed promptly.		
Acute and chronic health hazards	Repeated and/or prolonged contact may lead to dermatitis.		
Toxicological information on ingredients.			
ORDINARY PORTLAND CEMENT	Acute toxicity - dermal	Acute toxicity dermal (LD ₅₀ mg/kg): 2,000 Species Rabbit	
SECTION 12:		INFORMATION ON ECOLOGICAL EFFECTS	
Ecological information on ingredients.	As listed below.		
Component	Toxicity	Acute aquatic toxicity	
ORDINARY PORTLAND CEMENT	Acute toxicity - fish	Not determined.	
Persistence and degradability	The product is not biodegradable.		
Bio accumulative potential	The product is not bioaccumulating.		
Mobility in soil	The product hardens to a solid, immobile substance. The product is not volatile but may be spread by dust-raising handling.		
Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria.		
Other adverse effects	None known.		
SECTION 13:		DISPOSAL CONSIDERATION	
General information	Do not empty into drains, sewers or water courses.		
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.		
SECTION 14:		TRANSPORTATION INFORMATION	
General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).		
UN number	Not relevant.		
UN proper shipping name	Not relevant.		
Transport hazard class(es)	Not relevant.		
Transport labels	No transport warning sign required.		
Packing group	Not relevant.		
Environmentally hazardous substance/marine pollutant	No		
Special precautions for user:	Not relevant.		
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not relevant.		

SECTION 15:	REGULATORY INFORMATION
Safety, health and environmental regulations/legislation specific for the substance or mixture	
EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
SECTION 16:	OTHER INFORMATION
Code	Description
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Other	Any training related to safety in the workplace must in any case refer to a risk assessment that must be carried out by a company safety officer taking into account the specific operating and environmental conditions in which the products are used. The information contained herein is based on our state of knowledge at the above- specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.
Legend to abbreviations and acronyms:	
ACGIH:	American Conference of Governmental Industrial Hygienists
ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN:	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
BCF:	Biological Concentration Factor
BEI:	Biological Exposure Index
BOD:	Biochemical Oxygen Demand
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CAV:	Poison Center
CE:	European Community
CLP:	Classification, Labeling, Packaging.
CMR:	Carcinogenic, Mutagenic and Reprotoxic
COD:	Chemical Oxygen Demand
COV:	Volatile Organic Compound
CSA:	Chemical Safety Assessment
CSR:	Chemical Safety Report
DMEL:	Derived Minimal Effect Level
DNEL:	Derived No Effect Level.
DPD:	Dangerous Preparations Directive
DSD:	Dangerous Substances Directive
EC50:	Half Maximal Effective Concentration
ECHA:	European Chemicals Agency
EINECS:	European Inventory of Existing Commercial Chemical Substances.

ES:	Exposure Scenario
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
IC50:	Half maximal inhibitory concentration
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
IRCCS:	Scientific Institute for Research, Hospitalization and Health Care
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LDLo:	Lethal Dose Low
N.A.:	Not Applicable
N/A:	Not Applicable
N/D:	Not defined/ Not available
NA:	Not available
NIOSH:	National Institute for Occupational Safety and Health
NOAEL:	No Observed Adverse Effect Level
OSHA:	Occupational Safety and Health Administration.
PBT:	Persistent, Bio accumulative and Toxic
PGK:	Packaging Instruction
PNEC:	Predicted No Effect Concentration.
PSG:	Passengers
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
vPvB:	Very Persistent, Very Bio accumulative.
WGK:	German Water Hazard Class.