



## MATERIAL SAFETY DATA SHEET

### NX CEMENT-BASED ADHESIVES & LEVELLING COMPOUND

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER: NX 3-50mm Floor Leveller

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:  
Intended use: PC1 Cement-based adhesives floor leveller

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

NORCROS ADHESIVES  
Harewood Street  
Tunstall  
Stoke on Trent  
Staffordshire  
ST6 5JZ  
Tel: 01782 524 140  
Fax: 01782 524141  
E-mail: technical@norcross-adhesives.com

1.4 EMERGENCY TELEPHONE NUMBER: 44 (0) 1782 524 140

#### SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

CLASSIFICATION UNDER CHIP

Xi Irritant

R36/38 Irritating to eyes and skin

R41 Risk of serious damage to eyes

Contains Chromium VI – may produce an allergic reaction

CLASSIFICATION UNDER CLP

Skin corrosion/irritation, Category 2, H315

Serious eye damage/Eye irritation, Category 1, H318



## 2.2 LABEL ELEMENTS:

LABEL ELEMENTS UNDER CHIP

HAZARD SYMBOLS: Irritant



RISK PHRASES:	P14 R36/38 R41	Contains Chromium VI. May produce an allergic reaction Irritating to eyes and skin Risk of serious damage to eyes.
SAFETY PHRASES:	S-2 S-25 S-26 S-28 S-36/37/39 S-46 S-56	Keep out of reach of children Avoid contact with eyes In case of contact with eyes rinse immediately with plenty of water and seek medical advice After contact with skin, wash immediately with plenty of water Wear suitable protective clothing, gloves and eye/face protection If swallowed seek medical advice immediately and show the container or label Dispose of this material and its container to hazardous or special waste collection point



## 2.3 OTHER HAZARDS

### HUMAN HEALTH

When the cement-based powder is mixed with water, a strong alkaline paste is produced. When set, cement-based products may cause both irritant and allergic dermatitis. Irritant contact dermatitis is due to a combination of the wetness, alkalinity and abrasiveness of the constituent materials. Allergic contact dermatitis is caused mainly by the sensitivity of the individuals skin to hexavalent chromium salts.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 MIXTURES:

NAME	CAS -No	EINECS No	CHIP Classification	CLP Classification	Content
Calcium Hydroxide	1305-62-0	215-137-3	Xi; R36/38	Skin Corr./Irr. Cat 2:H315 Ser. Eye Dam./Eye Irr. Cat 1; H318 STOT – Single exposure: Respiratory tract irritation, Cat 3, H335	1 – 5%
Ordinary Portland Cement	65997-15-1		Xi; R41	Skin Corr./Irr. Cat 2:H315 Ser. Eye Dam./Eye Irr. Cat 1; H318	30 – 60%

## SECTION 4: FIRST AID MEASURES

### 4.1 DESCRIPTION OF FIRST AID MEASURES

**AFTER INHALATION:** Move affected personnel into fresh air

If nose or airways become inflamed seek medical attention.

**AFTER INGESTION:** Wash out mouth with clean water. Do not induce vomiting.

Drink plenty of water.

If symptoms develop or persist seek medical attention.

**AFTER CONTACT WITH SKIN** Remove contaminated clothing

Wash affected area thoroughly with soap and water.

If discomfort or irritation develops seek medical attention.

**AFTER CONTACT WITH EYES:** Make sure that any contact lenses are removed before rinsing opened eye using plenty of clean water for at least 15 minutes.

Seek medical attention if discomfort persists.

### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Irritant and allergic contact dermatitis

### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Skin irritation. Seek medical advice if discomfort or irritation persist. Show this safety data sheet to the doctor in attendance.



## **SECTION 5: FIRE FIGHTING MEASURES**

### **5.1 EXTINGUISHING MEDIA**

Product is non-flammable. Use extinguisher appropriate for the surrounding materials.

### **5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE**

None

### **5.3 ADVICE FOR FIRE FIGHTERS**

Product is non-flammable.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

#### **6.1.1 For non-emergency personnel**

Wear suitable protective clothing – refer to section 8.

Avoid contact with skin or inhalation of spillage, dust or vapour.

#### **6.1.2 For emergency personnel**

Wear suitable protective clothing – refer to section 8

Avoid contact with skin or inhalation of spillage, dust or vapour.

### **6.2 ENVIRONMENTAL PRECAUTIONS**

Avoid material entering drains or water courses or onto the ground.

### **6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP**

Dampen spillage with water.

Absorb in vermiculite, dry sand or earth and place into containers. Shovel into dry containers.

Cover and move the containers. Flush the area with water.

### **6.4 REFERENCE TO OTHER SECTIONS**

Sections 8 and 13 should be referred to.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1 PRECAUTIONS FOR SAFE HANDLING**

Ensure good ventilation

Avoid skin and eye contact

Avoid the generation of airborne dust

### **7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Store in tightly closed original containers

Store in dry, well ventilated areas at temperatures of 5 – 32°C

Protect from frost and damp conditions

### **7.3 SPECIFIC END USE(S)**

No special requirement.



## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

INGREDIENT NAME	CAS No	STD	LT EXP – 8 HRS
Calcium Hydroxide	1305-62-0	WEL	5mg/m <sup>3</sup>
Ordinary Portland Cement	65997-415-1	WEL	10mg/m <sup>3</sup> total inhalable dust 4mg/m <sup>3</sup> respirable dust

(WEL = Workplace Exposure Limit)

### 8.2 EXPOSURE CONTROLS

- ENGINEERING MEASURES:** Provide adequate ventilation including local extraction to ensure that the defined exposure limit is not exceeded.  
Provide eyewash station
- RESPIRATORY EQUIPMENT:** If ventilation is insufficient, suitable respiratory protection must be provided
- HAND PROTECTION:** Use suitable protective gloves.
- OTHER PROTECTION:** Wear appropriate clothing to prevent any possibility of skin contact.
- HYGIENE MEASURES:** DO NOT SMOKE IN WORK AREA. Wash at the end of each work shift and before eating, smoking and using the toilet.  
Wash promptly if skin becomes wet or contaminated.  
Promptly remove any clothing that becomes contaminated  
Use appropriate skin cream to prevent drying of skin.  
When using do not eat, drink or smoke



## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

(a) Appearance:	Grey cement-based powder
(b) Odour:	No odour
(c) Odour threshold:	Not determined
(d) pH:	Not applicable/Alkaline when wet
(e) Melting point/freezing point:	Not applicable
(f) Initial boiling point and boiling range:	Not applicable
(g) Flash point:	Not applicable
(h) Evaporation rate:	Not applicable
(i) Flammability (solid/ gas):	Not applicable
(j) Upper/lower flammability or explosive limits:	Not applicable
(k) Vapour pressure:	Not applicable
(l) Vapour density:	Not applicable
(m) Relative density:	~1.5 – 1.6
(n) Solubility(ies):	Not determined
(o) Partition co-efficient; n-octanol/water:	Not determined
(p) Auto-ignition temperature:	Not determined
(q) Decomposition temperature:	Not determined
(r) Viscosity:	Not applicable
(s) Explosive properties:	Not determined
(t) Oxidising properties:	Not determined

### 9.2 OTHER INFORMATION

Not applicable

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 REACTIVITY

Stable when stored correctly

### 10.2 CHEMICAL STABILITY

Stable when stored correctly

### 10.3 POSSIBILITY OF HAZARDOUS REACTION

Stable

### 10.4 CONDITIONS TO AVOID

Protect from frost  
Avoid contact with acids  
Do not store in damp, wet or humid conditions

### 10.5 INCOMPATIBLE MATERIALS

Strong acids, strong oxidising agents

### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Dioxide (CO<sub>2</sub>) and Carbon Monoxide (CO) are created by high temperatures or fire.



## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

<b>INHALATION:</b>	May cause irritation to the respiratory system. May cause damage to mucous membranes in nose, throat, lungs and bronchial system. Harmful: Danger of serious damage to health by prolonged exposure through inhalation.
<b>INGESTION:</b>	May cause severe irritation of the mouth, oesophagus and the gastrointestinal tract.
<b>SKIN CONTACT:</b>	The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals after repeated contact.
<b>EYE CONTACT:</b>	Risk of serious damage to eyes. May cause chemical eye burns.

#### **11.1.2 SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS**

Repeated exposure in excess of the WEL has been linked with rhinitis and coughing. Skin exposure has been linked to allergic chromium dermatitis.

## **SECTION 12: ECOLOGICAL INFORMATION**

### **12.1 TOXICITY**

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms

### **12.2 PERSISTANCE AND DEGRADABILITY**

No data available

### **12.3 BIOACCUMULATIVE POTENTIAL**

No data available

### **12.4 MOBILITY IN SOIL**

The product is non-volatile.

The product is insoluble in water and will sediment in water systems. After hardening product is non-toxic

### **12.5 RESULTS OF PBT AND vPvB ASSESSMENT**

No data available

### **12.6 OTHER ADVERSE EFFECTS**

No data available



### **SECTION 13: DISPOSAL CONSIDERATIONS**

In accordance with local authority regulations

Contaminated Packaging: Empty bags or surplus product can be disposed of as building site or commercial waste.

#### 13.1 WASTE TREATMENT METHODS

### **SECTION 14 TRANSPORT INFORMATION**

#### 14.3 TRANSPORT HAZARD CLASS(ES)

ROAD TRANSPORT:	Not classified as hazardous
RAIL TANSPORT:	Not classified as hazardous
SEA TANSPORT:	Not classified as hazardous
AIR TRANSPORT:	Not classified as hazardous

#### 14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE

### **SECTION 15: REGULATORY INFORMATION**

#### 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATIONS SPECIFIC FOR THE SUBSTANCE OR MIXTURE

SPECIFIC REGULATIONS: This product is classified as a mixture. CLP classification for information only.

#### 15.2 CHEMICAL SAFETY ASSESSMENT

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

### **SECTION 16: OTHER INFORMATION**

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010

LEGAL DISCLAIMER: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.