



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 Flexible Wall & Floor Tile Adhesive

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:
Intended use: PC1 Cement-based adhesives for ceramic wall and floor tiling

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@norcros-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	Contains Chromium VI. May produce an allergic reaction
	R36/38	Irritating to eyes and skin
	R41	Risk of serious damage to eyes.
SAFETY PHRASES:	S-2	Keep out of reach of children
	S-25	Avoid contact with eyes
	S-26	In case of contact with eyes rinse immediately with plenty of water and seek medical advice
	S-28	After contact with skin, wash immediately with plenty of water
	S-36/37/39	Wear suitable protective clothing, gloves and eye/face protection
	S-46	If swallowed seek medical advice immediately and show the container or label
	S-56	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 ³
Ordinary Portland Cement	65997-415-1	WEL	10mg/m ³ total inhalable dust 4mg/m ³ 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 (CO₂) and Carbon Monoxide (CO) are created by high temperatures or fire.



SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

INHALATION:	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.
INGESTION:	May cause severe irritation of the mouth, oesophagus and the gastrointestinal tract.
SKIN CONTACT:	The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals after repeated contact.
EYE CONTACT:	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 PERSISTENCE 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.