

SAFETY DATA SHEET

CASCO MULTIFIX WHITE



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : CASCO MULTIFIX WHITE
Product code : 3711
Product description : Cement based tile adhesive

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Tile adhesive

1.3 Details of the supplier of the safety data sheet

Akzo Nobel Bygglim AB
P.O. Box 11550
100 61 Stockholm, Sweden
Tel. +00468 7434000
Fax. +00468 6436370

e-mail address of person responsible for this SDS : miljo_bygglim@akzonobel.com

1.4 Emergency telephone number

National advisory body/Poison Center

Telephone number : CALL 020-99 60 00
(Kemiakuten, open 24 hours 7 days a week)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Directive 1999/45/EC [DPD]

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Xi; R41, R37/38

Human health hazards : Risk of serious damage to eyes. Irritating to respiratory system and skin.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard symbol or symbols :



Indication of danger : Irritant

Risk phrases : R41- Risk of serious damage to eyes.
R37/38- Irritating to respiratory system and skin.

Safety phrases : S2- Keep out of the reach of children.
S22- Do not breathe dust.
S24/25- Avoid contact with skin and eyes.
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39- Wear suitable gloves and eye/face protection.
S46- If swallowed, seek medical advice immediately and show this container or label.

Supplemental label elements : The Portland cement is chrome reduced. Persons who are allergic to chrome should not use the ready to use mixture.

2.3 Other hazards

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CASCO MULTIFIX WHITE

SECTION 2: Hazards identification

Other hazards which do not result in classification : Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Product/ingredient name	Identifiers	%	Classification		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
Quartz (SiO ₂)	EC: 238-878-4 CAS: 14808-60-7	50 - 75	Not classified.	Not classified.	[2]
Cement, portland, chemicals	EC: 266-043-4 CAS: 65997-15-1	25 - 50	Xi; R41, R37/38	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335i	[1] [2]
calcium diformate	EC: 208-863-7 CAS: 544-17-2	0.1 - 1	Xi; R41	Eye Dam. 1, H318	[1]

See Section 16 for the full text of the R phrases or H statements declared above.

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

The Portland cement is reduced on Cr (VI). Therefore R-43 is not applicable for the finished product.

This Safety data sheet refers to the product properties in dry condition. The product contains cement that blended with water might be corrosive on skin and eyes.

The content of respiratory quartz is less than 5 % (particlesize <10 micro).

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact : Check for and remove any contact lenses. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.

Inhalation : If inhaled, remove to fresh air.

Skin contact : Remove dusty and contaminated cloths Wash with soap and water.

Ingestion : Drink several glasses of water or milk. If swallowed, do not induce vomiting. Get medical attention.

General information In all cases of doubt, or when symptoms persist, seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact : Severely irritating to eyes. Risk of serious damage to eyes.

Inhalation : Irritating to respiratory system.

Skin contact : Irritating to skin.

Ingestion : Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : Adverse symptoms may include the following:
respiratory tract irritation
coughing

Skin contact : Adverse symptoms may include the following:
irritation
redness

Ingestion : No specific data.

SECTION 4: First aid measures

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : No specific fire or explosion hazard.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/oxides

5.3 Advice for firefighters

Special protective actions for fire-fighters : Not applicable

Special protective equipment for fire-fighters : No special protection is required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also Section 8 for additional information on hygiene measures.

6.2 Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

6.3 Methods and materials for containment and cleaning up

Small spill : Vacuum or sweep up material and place in a designated, labeled waste container.

Large spill : Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container.

6.4 Reference to other sections

: See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). The Portland cement is chrome reduced. Persons who are allergic to chrome should not use the ready to use mixture.
- Advice on general occupational hygiene** : When handling the product good industrial hygienic standard should always be maintained.

- 7.2 Conditions for safe storage, including any incompatibilities** : Keep dry at room temperature in a tightly closed container. This prolongs the effect of the substance that is added to minimise the risk of chrom sensitization from cement

7.3 Specific end use(s)

- Recommendations** : Not available.
- Industrial sector specific solutions** : Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
Sweden Quartz (SiO ₂) Cement, portland, chemicals	AFS 2005:17 (Sweden, 12/2010). TWA: 0.1 mg/m ³ 8 hour(s). Form: respirable dust AFS 2005:17 (Sweden, 2005). NGV: 10 mg/m ³ , (Total dust, inorganic) 8 hour(s). Form: Inhalable dust AFS 2005:17 (Sweden, 1974). NGV: 5 mg/m ³ 8 hour(s). Form: Respirable dust

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Derived effect levels

No DELs available.

Predicted effect concentrations

No PECs available.

8.2 Exposure controls

- Appropriate engineering controls** : If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Individual protection measures

- Hygiene measures** : Design the work so direct contact is avoided. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Depending on handled quantities and working conditions, use following recommended protective equipment.
- Eye/face protection** : Tightly-fitting goggles.
- Skin protection**
- Hand protection** : 4-8 hours (breakthrough time): Nitrile gloves.
- Body protection** : Comprehensive clothes.
- Respiratory protection** : Dust respirator. Filter P2, (Dust).
- Environmental exposure controls** : Not applicable

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****Appearance**

Physical state	: Solid. [Powder.]
Color	: White. [Light]
Odor	: Characteristic. [Slight]
Odor threshold	: Not available.
pH	: Not available.
Melting point/freezing point	: Not available.
Initial boiling point and boiling range	: Not available.
Flash point	: [Product does not sustain combustion.]
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Upper/lower flammability or explosive limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: Not available.
Solubility(ies)	: Not available.
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Not available.
Explosive properties	: Not available.
Oxidizing properties	: Not available.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

- 10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- 10.2 Chemical stability** : The product is stable.
- 10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- 10.4 Conditions to avoid** : The product mixed with water forms corrosive mixture which might give persistent damage to eyes and skin.
- 10.5 Incompatible materials** : No specific data.
- 10.6 Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity**

Conclusion/Summary : Not available.

Irritation/Corrosion

Conclusion/Summary : Not available.

Sensitization

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Potential acute health effects

- Eye contact** : Severely irritating to eyes. Risk of serious damage to eyes.
- Inhalation** : Irritating to respiratory system.
- Skin contact** : Irritating to skin.
- Ingestion** : Irritating to mouth, throat and stomach.

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
- Ingestion** : No specific data.

Potential chronic health effects

- General** : No known significant effects or critical hazards.
- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

- Other information** : The Portland cement is chrome reduced. The additives reduces Cr (VI) to minimize the risk of chrome eczema. This effect is reduced during storage, especially in a damp conditions. Store dry and at room temperature in a tightly closed package. Persons who are chrome allergic should not handle the ready to use mixture.
- There are no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly.

SECTION 12: Ecological information**12.1 Toxicity**

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
calcium diformate	-2.47	-	low

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods**Product**

Methods of disposal : The generation of waste should be avoided or minimized wherever possible. Disposal should be in accordance with applicable laws and regulations. Empty packages can be left for recycling. For Sweden: Akzo Nobel Bygglim AB are connected to the REPA-system (org.nr. 556026-1876). Please contact authority for information advise on waste. Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.

Hazardous waste : Non cured product is Hazardous waste and should be left to destruction according to local regulations. Cured product is not dangerous waste, and can be disposed as other waste.

European waste catalogue (EWC)

Waste code	Waste designation
10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10

Packaging

Methods of disposal : The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled.

Special precautions : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN/ADNR	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.
14.6 Special precautions for user	Not available.	Not available.	Not available.	Not available.
Additional information	-	-	-	-

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU Regulation (EC) No. 1907/2006 (REACH)
Annex XIV - List of substances subject to authorization
Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Other EU regulations

15.2 Chemical Safety Assessment : No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 DNEL = Derived No Effect Level
 EUH statement = CLP-specific Hazard statement
 PNEC = Predicted No Effect Concentration
 RRN = REACH Registration Number

Full text of abbreviated H statements : H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H335i May cause respiratory irritation.

SECTION 16: Other information

Full text of classifications [CLP/GHS] : Eye Dam. 1, H318 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
 Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2
 STOT SE 3, H335i SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): INHALATION [Respiratory tract irritation] - Category 3

Full text of abbreviated R phrases : R41- Risk of serious damage to eyes.
 R37/38- Irritating to respiratory system and skin.

Full text of classifications [DSD/DPD] : Xi - Irritant

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Notice to reader

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.