



CODE E

Product Safety Data Sheet

1. Identification of the preparations and company.

Product details: Cement-based products containing more than 20% Portland cement classified as irritant.

Trade names:

ARDEX G 125	ARDEX-FLEX FL	ARDEX K 13
ARDEX-FLEX FS	ARDITEX - Powder component	ARDEX-FLEX 5000/5001
ARDITEX RS - Powder component	ARDEX-FLEX 6001	ARDEX B 2
ARDEX C 2	ARDEX EB 2	ARDEX F 4
ARDEX-FLEX S 38	ARDEX GK	ARDEX B 12
ARDEX S 21	ARDEX G 6	ARDEX X 7
ARDEX Z 8	ARDEX K 11	ARDEX X 7 G PLUS
ARDEX R 70 P Part C - Powder component	ARDEX R 15 P Part C - Powder component	
ARDEX R 90 P Part C - Powder component	ARDITEX RS 2 - Powder component	
ARDEX AM 100	ARDEX K 301	ARDEX X 7 R

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2. Composition/information on ingredients.

Chemical characterization

Description:

In different proportions:

- cements (cement content > 20 %)
- quartzsands (grainsize > 0.1 mm, without fin proportions)
- calciumcarbonates
- copolymeric powders of vinylacetate/ethylene
- derivates of cellulose
- additives

Hazardous ingredient	Classification	%	Index	Risk Phrases
Portland Cement	CAS No.65997-15-1 EINECS: 266-043-4	>20	Xi	R38, R41

3. Hazard identification.

Hazard designation: Xi Irritant.

Information pertaining to particluar dangers for man and the environment: R38 Irritating to skin, R41 Risk of serious damage to eyes.

Classification system: The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.



4. First aid measures.

After inhalation: In case of unconsciousness bring patient into stable side position for transport.

After skin contact: Instantly wash with soap and water and rinse thoroughly. If discomfort, irritation or other symptoms of irritation occur seek medical advice.

After eye contact: Immediately rinse opened eye for several minutes under running water. If symptoms develop or persist, seek medical attention as soon as possible.

After ingestion: If symptoms develop or persist, seek medical attention as soon as possible.

5. Fire-fighting measures.

Suitable extinguishing media: CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Protective equipment: No special measures required.

6. Accidental release measures.

Personal safety precautions: Avoid causing dust.

Measures for environmental protection: No special measures required.

Measures for cleaning/collecting: Collect mechanically.

7. Handling and Storage.

Handling

Information for safe handling: Prevent formation of dust.

Information about protection against explosions and fires: No special measures required.

Storage

Requirements to be met by storerooms and containers: Store only in the original container.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Store under dry conditions. Keep container tightly sealed.

8. Exposure controls/personal protection.

Exposure: Take measures to reduce airborne dust generation during mixing. Occupational exposure must be kept below both 10mg/m³/8 hour TWA total inhalable dust and 4mg/m³/8 hour TWA respirable dust.

Personal protection: Avoid contact with the eyes and skin by the use of safety goggles and waterproof gloves.

Remove any contaminated clothing. Wash hands during breaks and at the end of the work. Keep away from foodstuffs, beverages and foods.



9. Physical and chemical properties.

General information

Form:	Powder
Colour:	Various
Smell:	Characteristic
Change in condition	
Melting point/Melting range:	Not determined
Boiling point/ Boiling range:	Not determined
Flash point:	Not applicable
Self-flammability:	Product is not self-igniting
Danger of explosion:	Product is not explosive
Density:	Not determined
Settled apparent density at 20°C:	1100 - 1700 kg/m ³
Solubility in/Miscibility with water:	Not miscible or difficult to mix
pH-value at 20°C:	ca. 12
Solvent content	
Organic solvents:	0.0%
Solids content:	100.0%

10. Stability and reactivity.

Thermal decomposition/conditions to be avoided: No decomposition if used according.

Dangerous reactions: No dangerous reactions known.

Dangerous products of composition: No dangerous decomposition products known.

11. Toxicological information.

Acute toxicity:

Primary irritant effect:

on the skin: Irritant for skin and mucous membranes.

on the eye: Irritant effect.

Sensitisation: No sensitizing effect known.

Additional toxicological information: Irritant

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

12. Ecological information.

Stable in soil. Water hazard class 1 (self assessment) : slightly hazardous. Do not allow undiluted product or large quantities to reach the ground water, rivers, drainage and sewage systems.



13. Disposal considerations.

Product:

European waste catalogue	
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03

Uncleaned packagings:

Recommendation:

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

14. Transport information.

Not classified as hazardous for transport purposes.

15. Regulatory information.

These products have been classified and labelled in accordance with the EC Directives and Ordinance on Hazardous Materials.

Code letter and hazard designation of products: Xi Irritant.

Risk phrases:	R38 R41	Irritating to skin. Risk of serious damage to eyes.
Safety phrases:	S2 S22 S24/25 S26 S37/39 S46	Keep out of reach of children. Do not breathe dust. Avoid contact with the eyes and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection. If swallowed, seek medical advice immediately and show this container or label.

Water hazard class: Water hazard class 1 (self-assessment): slightly hazardous for water.

This Product Data Sheet does not constitute a workplace risk assessment.

**16. Other information.**

Use only for the purposes intended. This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirement. It should not be construed as guaranteeing specific properties.

Revision comments: This revision includes new contact numbers and recent amendments to regulations.

References:

HSE Guidance Note EH 40 (Occupational Exposure Limits)

The Control of Substances Hazardous to Health Regulations 2002 amended 2003

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002

Approved Supply List (Seventh Edition)

Compilation of safety data sheets (Third Edition) Approved Code of Practice

HSE Guidance Note EH 26

Construction Health Hazard Information Sheet No. 1 and No. 7