

SAFETY DATA SHEET

with reference to (EC) 1907/2006

Armaprotect 1000 fire protection paste

revised 18.03.2013, replaces version 26.06.2013

Changes compared to the last version are marked as follows: (*)

REGISTER: D 5532

STATUS: 18.03.2013

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY

PRODUCT NAME (*)	Armaprotect 1000 fire protection paste
USE OF THE PRODUCT	Fire protection filling mass for fire-resistant bulkheading of with AF- , SH- other NH / Armaflex dammed copper -, steel -, casting or high-grade steel lines
MANUFACTURER /DISTRIBUTOR	Armacell GmbH Robert-Bosch-Straße 10, D-48153 Münster Tel: +49 (0)251 - 7603 - 200 Fax: +49 (0)251 - 7603 - 561 www.armacell.com Technical contact point: Dr. Dirk Seiling Quality Manager Tel: +49 (0)251 - 7603 - 664 Fax: +49 (0)251 - 7631 - 664 dirk.seiling@armacell.com
EMERGENCY INFORMATION	Beratungsstelle für Vergiftungserscheinungen und Embryonaltoxikologie (Giftnotruf Berlin) Tel: +49 (0)3030686790 www.giftnotruf.de

2. HAZARDS IDENTIFICATION

HAZARD DESIGNATION	This product does not require labelling in terms of preparation directive 1999/45/EC.
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3. COMPOSITION / INFORMATION ON INGREDIENTS

DESCRIPTION (*)	Inorganic paste.
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4. FIRST-AID MEASURES

IN CASE OF INHALATION	Provide with fresh air. Consult a physician in case of symptoms.
IN CASE OF SKIN CONTACT	Wash with soap and water. Remove contaminated clothing immediately.
IN CASE OF EYE CONTACT	Rinse immediately carefully and thoroughly with eye-bath or water.
IN CASE OF INGESTION	Let water be drunken in little sips. Call a physician immediately.

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5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA Carbon dioxide, extinguishing powder, water spray jet or alcohol resistant foam.

**EXTINGUISHING MEDIA WHICH
MUST NOT BE USED FOR SAFETY
REASONS** Full water jet.

**SPECIAL EXPOSURE HAZARDS
ARISING FROM THE PREPARATION** None

6. ACCIDENTAL RELEASE MEASURE

PERSONAL PRECAUTIONS Avoid contact with skin and eyes.

ENVIRONMENTAL PRECAUTIONS Do not allow to enter drains/surface water/ground-water.

**METHODS FOR CLEANING UP /
TAKING UP** Take up mechanically.

7. HANDLING AND STORAGE

HINTS FOR SAFE HANDLING None

**HINTS FOR PROTECTION AGAINST
FIRE AND EXPLOSION** None

**HINTS FOR SEPARATION OF
IMCOMPATIBLE PRODUCTS** Do not store together with food.

**FURTHER INFORMATION ON
STORAGE CONDITIONS** Store temperature from 5°C to 30°C. Store dry.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

GENERAL HEALTH MEASURES None

RESPIRATORY PROTECTION Unnecessary

HAND PROTECTION Unnecessary

EYE PROTECTION Recommended

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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	pasty
COLOUR (*)	creme
ODOUR	characteristic
BOILING POINT	not applicable
FLASH POINT	not applicable
LOWER EXPLOSION LIMIT	not applicable
UPPER EXPLOSION LIMIT	not applicable
DENSITY AT 20 °C (*)	ca. 0,18 g/cm ³
WATER SOLUBILITY (20 °C) (*)	not applicable

10. STABILITY AND REACTIVITY

HAZARDOUS REACTION	No dangerous reactions known.
HAZARDOUS DECOMPOSITION PRODUCTS	No dangerous decomposition products during appropriate storage and handling. Measurements have shown that at temperatures above 150 °C there is a small amount of formaldehyde that is emitted by oxidation.

11. TOXICOLOGICAL INFORMATION

EXPERIENCE MADE IN PRACTICE	When used and handled according to specification, the product does not have any harmful effect according to our experience and knowledge.
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12. ECOLOGICAL INFORMATION

ADDITIONAL ECOLOGICAL INFORMATION	None
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13. DISPOSAL CONSIDERATIONS

DISPOSAL PRODUCT	Dispose waste according to applicable local, state and federal regulations.
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LIST OF PROPOSED WASTE CODES Please observe Decision 2001/118/EC.
IN ACCORDANCE WITH EWC (*)

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DISPOSAL PACKAGES

Packaging must be emptied of all residues. Packaging with traces of cured product can be re-cycled. Packaging with uncured product must be disposed of in the same manner as the medium.

14. TRANSPORT INFORMATION

No hazardous material as defined by the transport regulations (ADR/RID, IMDG-Code, ICAO-TI/IATA-DGR).

15. REGULATORY INFORMATION

This product does not require labelling in terms of preparation directive 1999/45/EC.

16. OTHER INFORMATION

The data in this safety data sheet correspond to our current level of knowledge and are sufficient for national and EU laws. However, we have no knowledge of or control over the working conditions.

The data in this safety data sheet describe the safety requirements of our product and may not be considered to guarantee any product properties.