

SAFETY DATA SHEET

according to (EC) 1907/2006

Armafinish 99 (white and grey)

revised 05.06.2008, replaces version 25.04.2007

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

REGISTER: D 2360

STATUS: 05.06.2008

PAGE: 1 (von 5)

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

PRODUCT NAME	Armafinish 99 (white and grey)
USE OF THE PRODUCT	Protective coat for insulation material on synthetic rubber for outside installation and for making purposes for interior use.
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, Safety, Environment 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)30 - 19240 www.giftnotruf.de

2. HAZARDS IDENTIFICATION (*)

HAZARD DESIGNATION	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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3. COMPOSITION / INFORMATION ON INGREDIENTS (*)

DESCRIPTION	Non drippy water-based coating
HAZARDOUS INGREDIENTS	2-(2-Butoxyethoxy)Ethanol (CAS 112-34-5) Percentage: 1-5 % Classification: Xi, R 36 Tricresyl Phosphate meta & para (CAS 78-32-0) Percentage: 1-5 % Classification: Xn, R 21/22; N, R 51/53

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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 off with soap and water and rinse.
IN CASE OF EYE CONTACT	Flush with plenty of water (10-15 min.). Remove contact lenses, keep eyelids open. Call a physician.
IN CASE OF INGESTION	Consult a physician immediately.

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.
ADDITIONAL INFORMATION	In case of fire CO, CO ₂ are produced and soot particles from incomplete combustion may cause black smoke.

6. ACCIDENTAL RELEASE MEASURE

PERSONAL PRECAUTIONS	Keep away from ignition sources on account of the organic solvent content and air room well. Do not inhale vapours.
ENVIRONMENTAL PRECAUTIONS	Do not allow product to reach sewage system or waters. Prevent material from reaching sewage systems, holes or cellars. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.
METHODS FOR CLEANING UP / TAKING UP	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, saw dust). Dispose of the material collected according to regulations. Provide adequate ventilation.

7. HANDLING AND STORAGE

HINTS FOR SAFE HANDLING	Avoid contact with eyes and skin. Do not inhale fumes or spray. Do not eat, drink or smoke when working with the product.
HINTS FOR PROTECTION AGAINST FIRE AND EXPLOSION	Keep container tightly closed and store in a cool, well ventilated place.

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**HINTS FOR SEPARATION OF
INCOMPATIBLE PRODUCTS**

Do not store together with food.

**FURTHER INFORMATION ON
STORAGE CONDITIONS**

Keep away from extremely acidic or alkaline materials, as well as oxidants.

STORAGE CLASS VCI

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ADDITIONAL INFORMATION ON
ENGINEERING MEASURES**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

**CONSTITUENTS WITH
OCCUPATIONAL EXPOSURE LIMIT
S REQUIRING MONITORING (*)**

2-(2-Butoxyethoxy)Ethanol (CAS 112-34-5)

Value: 100 mg/m³

Category: 1(I)

Version date: 01.2006

GENERAL HEALTH MEASURES

The usual precautionary measures for the handling of chemicals have to be observed. Do not eat or drink during work - no smoking. Wash hands before breaks and after work. Immediately remove all contaminated clothing. Avoid contact with skin and eyes.

RESPIRATORY PROTECTION

Breathing protection mask with combination filter (particles and gases) required during spraying. Do not breathe fume/vapour/spray.

HAND PROTECTION

Protective gloves should be worn.

EYE PROTECTION

Use tightly fitting safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES (*)

APPEARANCE

liquid

COLOUR

white or grey

ODOUR

mild, sweet

MELTING POINT

not applicable

LOWER EXPLOSION LIMIT

none

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UPPER EXPLOSION LIMIT	none
DENSITY AT 20 °C	approx. 1,4 g / cm ³
WATER SOLUBILITY	soluble
VOLATILE ORGANIC COMPOUND (VOC)	50 g/L

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID	None if handled according to order.
HAZARDOUS REACTION	No dangerous reactions known.
HAZARDOUS DECOMPOSITION PRODUCTS	No dangerous decomposition products during appropriate storage and handling.

11. TOXICOLOGICAL INFORMATION

EXPERIENCE MADE IN PRACTICE	On the skin: may be an irritant to sensitive skin On the eye: splashes or spray mist may cause irritation
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12. ECOLOGICAL INFORMATION

ECOTOXICITY	Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.
MOBILITY	The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces. The product is miscible with water. May spread in water systems.
BIOACCUMULATION	No data available on bioaccumulation.
DEGRADABILITY	There are no data on the degradability of this product.
ADDITIONAL ECOLOGICAL INFORMATION	Do not empty into waters or drains.

13. DISPOSAL CONSIDERATIONS

DISPOSAL PRODUCT	Dispose waste according to applicable local, state and federal regulations.
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LIST OF PROPOSED WASTE CODES IN ACCORDANCE WITH EWC European Waste Catalogue:
08 01 12 (waste paint and varnish other than those mentioned in 08 01 11)
Please note: The classification of waste for this product may change according to the field of application. Please observe Decision 2001/118/EC.

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

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

15. REGULATORY INFORMATION

LABELLING

R-PHRASES R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-PHRASES S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

NATIONAL REGULATIONS

WATER POLLUTION CLASSIFICATION Class 1: according to VwVwS

16. OTHER INFORMATION

RELEVANT R-PHRASES

R 21/22 Harmful in contact with skin and if swallowed.
R 36 Irritating to eyes.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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 describes the safety requirements of our product and may not be considered to guarantee any product properties.