

SAFETY DATA SHEET

with reference to 91/155/EEC

Armafinish 99 (white and grey)

revised 25.04.2007, replaces version 23.03.2007

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

REGISTER: D 2360

STATUS: 25.04.2007

PAGE: 1 (von 5)

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

PRODUCT NAME	Armafinish 99 (white and grey)
USE OF THE SUBSTANCE	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 - 0 Fax: +49 (0)251 - 7603 - 561 www.armacell.com
EMERGENCY INFORMATION	Beratungsstelle für Vergiftungserscheinungen und Embryonaltoxikologie (Giftnotruf Berlin) Tel: +49 (0)30 - 19240 www.giftnotruf.de

2. 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

3. HAZARDS IDENTIFICATION

HAZARD DESIGNATION (*)	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
------------------------	---

4. FIRST-AID MEASURES

ON INHALATION	Provide with fresh air. Consult a physician in case of symptoms.
ON CONTACT WITH SKIN	Wash off with soap and water and rinse
ON CONTACT WITH THE EYES	Flush with plenty of water (10-15 min.). Remove contact lenses, keep eyelids open. Call a physician.

SAFETY DATA SHEET

with reference to 91/155/EEC

Armafinish 99 (white and grey)

revised 25.04.2007, replaces version 23.03.2007

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

REGISTER: D 2360

STATUS: 25.04.2007

PAGE: 2 (von 5)

IF SWALLOWED Consult a physician immediately

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA Carbon dioxide, Dry powder or water mist, or alcohol resistant foam

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

ADDITIONAL INFORMATION In case of fire CO, CO₂ 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.

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. Ensure 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. Observe safety and protection regulations

HINTS FOR PROTECTION AGAINST FIRE AND EXPLOSION Keep container tightly closed and store in a cool, well ventilated place.

HINTS FOR SEPARATION OF INCOMPATIBLE PRODUCTS Store the foodstuffs separately

FURTHER INFORMATION ON STORAGE CONDITIONS Keep away from extremely acidic or alkaline materials, as well as oxidants

SAFETY DATA SHEET

with reference to 91/155/EEC

Armafinish 99 (white and grey)

revised 25.04.2007, replaces version 23.03.2007

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

REGISTER: D 2360

STATUS: 25.04.2007

PAGE: 3 (von 5)

8. EXPOSURE LIMITATION AND PERSONAL PROTECTIVE EQUIPMENT

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.
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 by particulate mask required during spraying Do not breathe fume/vapour/spray.
HAND PROTECTION	Protective gloves should be worn. Suitable types are pre powdered vinyl/pvc, neoprene or nitrile.
EYE PROTECTION	Use tightly fitting safety glasses

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	paste
COLOUR	white or grey
ODOUR	mild, sweet
MELTING POINT	not applicable
FLASH POINT	> 100 °C
LOWER EXPLOSION LIMIT	none
UPPER EXPLOSION LIMIT	none
DENSITY AT 20 °C	1,33 g / cm ³
WATER SOLUBILITY (20 °C)	soluble
PH-VALUE	9.5 - 10
VOLATILE ORGANIC COMPOUND (VOC) (*)	50 g/L

SAFETY DATA SHEET

with reference to 91/155/EEC

Armafinish 99 (white and grey)

revised 25.04.2007, replaces version 23.03.2007

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

VOC (2004/42/EC) CATEGORY (A/i): 140 g/L (2007) / 140 g/L (2010)
(*)

REGISTER: D 2360

STATUS: 25.04.2007

PAGE: 4 (von 5)

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 skins. On the eye: Splashes or spray mist may cause irritation.
------------------------------------	---

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 .
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 .

SAFETY DATA SHEET

with reference to 91/155/EEC

Armafinish 99 (white and grey)

revised 25.04.2007, replaces version 23.03.2007

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

REGISTER: D 2360

STATUS: 25.04.2007

PAGE: 5 (von 5)

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.

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