

SAFETY DATA SHEET

with reference to 91/155/EEC

HT/Armaflex

NO HAZARDOUS GOODS

REG.-NR.: D 2574

STATUS: 16.01.01

PAGE: 1 (of 6)

1 MATERIAL/PREPARTATION AND COMPANY NAME

TRADE NAME: HT/Armaflex

USE: Insulation for pipework, vessels and ducts in: solar panels including outdoors, vehicle cabs, hot gas lines, steam and dual temperature lines.

MANUFACTURER/SUPPLIER*: Armacell GmbH
Robert-Bosch-Str. 10, D-48153 Münster
PO Box 11 80, D-48001 Münster
Phone: 02 51-76 03-0
Fax: 02 51-76 03-3 46

INFORMING DIVISION: Area raw material and environmental process IPO

EMERGENCY INFORMATION: No additional information is required. There is no potential hazardous if product is used according to instructions.

2 COMPOSITION/DETAILS OF CONSTITUENTS

CHEMICAL CHARACTERISATION

DESCRIPTION: Elastomeric foam based on a synthetic rubber (elastomer) basis

HAZARDOUS CONTENTS: None

3 POSSIBLE HAZARDS

None

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4 FIRST AID MEASURES

AFTER INHALATION: Not applicable

AFTER SKIN CONTACT: Not necessary

AFTER EYE CONTACT: Not necessary

AFTER SWALLOWING: If possible, make patient vomit.

5 FIRE FIGHT MEASURES

SUITABLE QUENCHING AGENT: Unrestricted

QUENCHING AGENT UNSUITABLE FOR SAFETY REASONS: Not applicable

SPECIAL SAFETY EQUIPMENT*: In the case of fire wear respirator independent from surrounding air.

S-SETS*: S-41 fire gases, do not breathe.

6 WHAT TO DO IF ACCIDENTALLY RELEASED

PERSONAL SAFETY MEASURES: Not necessary

ENVIRONMENTAL protection measures: Not necessary

CLEANING/ABSORPTION PROCEDURE: Not applicable

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7 HANDLING AND STORAGE

HANDLING

TIPS FOR SAFE WORKING: No special measures

TIPS FOR FIRE AND EXPLOSION

PROTECTION: No special measures

REQUIREMENTS ON STORAGE ROOMS

AND CONTAINERS: Can be stored in clean, drey rooms under normal conditions with respect to humidity (50% 70%) and surrounding Temperature (0°C - 35°C).

JOINT STORAGE DETAILS: No special measures

FURTHER INFORMATION ON

STORAGE CONDITIONS: None

VBF-CLASS: Not applicable

8 EXPOSURE RESTRICTIONS AND PERSONAL SAFETY EQUIPMENT

ADDITIONAL INFORMATION ON THE DESIGN

OF TECHNICAL SYSTEMS: Not applicable

PERSONAL SAFETY EQUIPMENT: Not necessary

GENERAL SAFETY AND HYGIENE

MEASURES: No special measures

RESPIRATORY EQUIPMENT: Not necessary

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HAND PROTECTION: Not necessary

EYE PROTECTION: Not necessary

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9* PHYSICAL AND CHEMICAL PROPERTIES

FORM*: Tubes and sheets, self-adhesive tape

COLOUR: Black

SMELL: Typical for its type

CHANGE OF STATE

MELTING POINT/

MELTING RANGE: None

BOILING POINT/

BOILING RANGE: None

FLASH POINT: Difficult to ignite according to DIN 4102, part 1: B2 and British Standard (BS) 476, part 7: class 1

IGNITION TEMPERATURE: None

SPONTANEOUS COMBUSTION: The product is not self-igniting.

EXPLOSION RISK: None

DENSITY AT 20°C*: Bulk density: 70 to 80 kg/m³

SOLUBILITY IN/MISCIBILITY

WITH WATER: Insoluble

10 STABILITY AND REACTIVITY

CONDITIONS TO BE AVOIDED: Avoid the influence of naked flames.

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DANGEROUS REACTIONS: None

DANGEROUS DECOMPOSITION

PRODUCTS: No carbon monoxide splitting under thermal load; according to DIN 53436 if used for its intended purpose: slight.

11 DETAILS OF TOXICOLOGY

ACUTE TOXICITY

PRIMARY IRRITANT REACTION

ON SKIN:)

ON EYES:) No toxic effects known if used for its intended purpose.

SENSITISATION:)

12 DETAILS OF ECOLOGY

GENERAL DETAILS: No negative effects known. Not biologically degradable.

WATER HAZARD CLASS: None

13 NOTES ON DISPOSAL OF PRODUCT/PACKAGING

PRODUCT

WASTE KEY NUMBER: EAK 07 02 99
(Under this number we dispose as manufacturer)

DIRTY PACKAGING

RECOMMENDATION: Normal disposal path for cardboard packaging.

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14 DETAILS OF TRANSPORT

Not a hazardous substance

15 REGULATIONS

LABELING IN CONFORMITY WITH

EEC-GUIDELINES:

Our data indicate that the preparation is not hazardous as defined by the Chemicals Act or the Hazardous Goods Ordinance in the versions currently in effect.

16 FURTHER INFORMATION

The data in this safety data sheet correspond to our current level of knowledge and are sufficient for national and EC laws. However, we have no knowledge of or control over the working conditions of the user. The data in this safety data sheet describe the safety requirements of our product and may not be considered to guarantee any product properties.

There is no stipulation requiring the submission of a data sheet for non-hazardous materials; such data will therefore only be submitted upon request.

DEPARTMENT IN CHARGE OF Plant Chemistry and Product Improvement

ISSUING DATA SHEET: K.H. Giegel or H. Schön