

SAFETY DATA SHEET

according to 91/155/EEC

Armaflex Adhesive HT 625

Replaces 01.03.2002

REG.-NR. D 3884
STATUS: 10.13.2003
PAGE: 1 (of 8)

1 MATERIAL/PREPARATION AND COMPANY NAME

TRADE NAME: Armaflex Adhesive HT 625

USE: For treatment of Armacell insulation material of elastomeric foam based on synthetic rubber

SUPPLIER: Armacell LLC
7600 Oakwood St. Ext
Mebane, NC 2730
Phone: (919) 304-3846
Fax: (919) 304-3847

INFORMING DIVISION: Area raw material and environmental process IPO

EMERGENCY INFORMATION: EMERGENCY ONLY CONTACT: CHEM-TEL 800-255-3924

2 COMPOSITION AND DETAILS OF CONSTITUENTS

CHEMICAL CHARACTERISATION

DESCRIPTION: solvent containing adhesive

HAZARDOUS CONTENTS:

CAS-No.	Name	%	Code letter	R ratio
141-78-6	Ethylacetate	25-50	Xi	36-66-67
110-82-7	Cyclohexane	25-50	Xi	38-67
142-82-5	Heptane	1-5	Xi	38-67
67-64-1	Acetone	5-25	Xi	38-67-66
203-777-6	Mixture of isomers less than 5% n-Hexane	5-25	X	38-67
110-54-3	Mixture of isomeres More than 5% n-Hexane	1-5	Xi	38-67 51/53-65-67

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3 POSSIBLE HAZARDS

TYPE OF HAZARD: highly flammable
irritating to eyes and skin

CLASSIFICATION SYSTEM: The classification corresponds to the latest EC lists, though it is supplemented by information from technical literature and company information.

ADDITIONAL INFORMATION: With usage the generation of explosive/easily flammable steam-air-mixtures is possible.

4 FIRST AID MEASURES

AFTER INHALATION: Supply of fresh air, consult doctor in the event of complaints
Taking to stable side position at unconsciousness.

AFTER SKIN CONTACT: Wash with soap and plenty of water

AFTER EYE CONTACT: Rinse eyes under running water for 10-15 minutes with eyes open.
Consult doctor if symptoms persist.

AFTER SWALLOWING: Consult doctor immediately

5 FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: CO₂, extinction powder or water spray jet. Fight larger fires with water spray jet or alcohol resistant foam

UNSUITABLE EXTINGUISHING MEDIA

FOR SAFETY REASONS: Water in full jet.

SPECIAL RISKS: May form explosive vapour-air mixtures

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6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear safety equipment. Keep unprotected persons away. Do not inhale vapours. Keep away from ignition sources. Ventilate area

ENVIRONMENTAL PRECAUTIONS

Do not allow the product to enter drains or water.
Prevent penetration into sewage systems, water, pits and cellars. Inform pertinent authorities if product enters water or drains.

CLEANING/ABSORPTION

PROCEDURE:

Soak up with absorbent material (sand, diatomite, acid binder, universal binder, sawdust). Ensure adequate ventilation.

ADDITIONAL INSTRUCTIONS:

Vapours of organic solvent composition will be set free.
Keep away from sources of ignition.

7 HANDLING AND STORAGE

HANDLING

TIPS FOR SAFE WORKING:

Ensure good ventilation/extraction at place of work. Avoid the formation of aerosols.

Tips for fire and

explosion protection:

Keep away from sources of ignition - no smoking. Take precautions against electrostatic charging. Vapours can form with air an explosive mixture.

REQUIREMENTS ON STORAGE ROOMS

AND CONTAINERS:

Store in a cool place.

JOINT STORAGE DETAILS:

keep away from food

FURTHER INFORMATION ON

STORAGE CONDITIONS:

Keep containers tightly closed. Store cool and dry in well sealed containers. Keep away from heat and out of direct sunlight.

VCI-CLASS:

3A

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8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

ADDITIONAL INFORMATION ABOUT

ENGINEERING MEASURES: Provide adequate ventilation. Suitable respiratory protection must be worn if the concentration of solvent vapor is not below the limits

CONSTITUENTS WITH LOWER THRESHOLD LIMIT VALUES:

CAS-No.	Name of material	Category	Type	Limit-Value Unit
110-82-7	Cyclohexane	4	TRGS 900	700 mg/m ³ , 200 ppm
141-78-6	Ethyl acetate	1	TRGS 900	1400 mg/m ³ ; 400ppm
67-64-1	Acetone	1	TRGS 900	1200 mg/m ³ ; 500 ppm
142-82-5	Heptane	4	TRGS 900	2000 mg/m ³ , 500 ppm
110-54-3	Mixture of isomeres More than 5% n-Hexane	4	TGRS 900	180/m ³ , 50 ppm
203-777-6	Mixture of isomeres less than 5% n-Hexane	4	TRGS 900	720mg/m ³ 200ppm

ADDITIONAL INFORMATION: Those lists valid at the time of publication served as a basis.

PERSONAL PROTECTIVE EQUIPMENT

GENERAL SAFETY AND HYGIENE

MEASURES: Take notice of usual safety measures when handling with chemical products. Wash hands before breaks and at the end of work. Keeping food, drinks and feed separate. Avoiding touch with the eyes and the skin. Moving immediately clothing and soiled watered. Do not eat, drink or smoke during work

RESPIRATORY EQUIPMENT: Looking after sufficient ventilation. Breathing equipment independent of circulating air during intensive and longer exposure and spraying is required

HAND PROTECTION: It is advisable to wear solvent-resistant protective gloves.

EYE PROTECTION: Close-fitting safety goggles

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9 PHYSICAL AND CHEMICAL PROPERTIES

FORM: liquid
COLOUR: beige
SMELL: like solvents

RELEVANT SAFETY DATA

MELTING POINT/ MELTING RANGE: not applicable

BOILING POINT/BOILING RANGE: 70 °C

FLASH POINT: - 20 °C

DENSITY AT 20 °C: 0,9 g/cm³

10 STABILITY AND REACTIVITY

CONDITIONS TO BE AVOIDED: None if handled according to order

Dangerous reactions: No dangerous reactions known.

DANGEROUS DECOMPOSITION

PRODUCTS: No dangerous decomposition products known at proper storage and handling.

11 TOXICOLOGICAL INFORMATION

Experience of practice

ON SKIN: irritant the skin and the mucous membranes
ON EYES: irritant reaction
SENSITISATION: no sensitizing effect known

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12 ECOLOGICAL INFORMATION

GENERAL DETAILS: Water hazard class 1
Do not allow undiluted or large amounts to enter groundwater, water or drains. Dangerous for drinking-water if less quantity runs out in the underground.

13 DISPOSAL CONSIDERATIONS

PRODUCT RECOMMENDATION: Uncured product: special waste
Cured product : household garbage or trade garbage – observe local regulations

Waste key number: EWC 08 04 06
Adhesive and sealants not containing halogenated solvent.

DIRTY PACKAGING RECOMMENDATION: Contaminated packaging must be emptied of all residues. Packaging with traces of cured product may be sent to a recycling plant. Packaging with uncured product must be disposed of in the same manner as the medium

14 TRANSPORT INFORMATION

LAND TRANSPORT ADR/RID AND GGVS/GGVE (ACROSS BORDERS/DOMESTIC)

ADR/RID-GGVS/E CLASS: 3 Inflammable liquid
NUMBER/LETTER: 5 b
KEMLER NO.: 33
UN NUMBER: 1133
TREMCARD: 3
Margin-Number: 2301
NAME OF PRODUCT: Adhesive

MARITIME TRANSPORT IMDG/GGVSee

IMDG/GGVSEE CLASS: 3.2
PAGE: 3174
UN NUMBER: 1133
PACKAGING GROUP: II
Tremcard: 3
EMS-NUMBER: 3-05

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MFAG: 330
CORRECT TECHNICAL NAME: Adhesive
COMMENTS: Adhesive is not a maritime pollutant

AIR TRANSPORT ICAO-TI AND IATA-DGR

ICAO/IATA CLASS: 3
UN/ID NUMBER: 1133
PACKAGING GROUP: II
Tremcard: 3
CORRECT TECHNICAL NAME: Adhesive

15 REGULATORY INFORMATION

CLASSIFICATION ACCORDING TO

EEC DIRECTIVES: Danger symbol and danger designation

F highly flammable
Xi irritant

R -PHRASES: 11 highly flammable
36/38 irritating to eyes and skin

S -PHRASES: 51 use only in well-ventilated areas
16 Keep away from sources of ignition - no smoking.
24/25 Avoid contact with eyes and skin
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
29 Do not empty into drains.
33 Take precautionary measures against static discharges.

NATIONAL REGULATIONS:

CLASSIFICATION ACCORDING

TO VBF: A I

EMISSION CONTROL ACT (TA-LUFT):

Sum organic substances CLASS 2: 5 – 10 %
CLASS 3 70-75 %

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WATER POLLUTION CLASS: WGK 1
ACCORDING VVVWS

16 FURTHER INFORMATION

R-Phrases of components

- 36 Irritating to eyes
- 38 Irritating to skin
- 66 Repeating exposure may cause skin dryness or cracking
- 67 Vapours may cause drowsiness and dizziness

This information is based on the latest level of our knowledge, though this does not represent any warranty of product characteristic and establishes no contractual legal relationship.

DIVISION ISSUING DATA SHEET: Technical Department

CONTACT PERSONS: K. A. Patel