

M.S.D.S – MATERIAL SAFETY DATA SHEET

(regulation nr. 2001/58/CE- European Commission)

HEAT SHRINKABLE MATERIALS FOR THE ANTI-CORROSION PROTECTION OF STEEL PIPE

1 – IDENTIFICATION OF THE PRODUCT AND OF THE MANUFACTURER

1.1 – IDENTIFICATION OF THE PRODUCT AND ITS COMPONENTS

SYNONIMS: MZA – MZE – MZV – MZW – MZL – MZX – TJE – RMH – RMS – SI – DE – CW

CAS NR.: N.A.

CE INDEX NR.

N.A.

EINECS NR

N.A.

RTECS NR.

N.A.

1.2 MANUFACTURER IDENTIFICATION:

ZANELLI COMMERCIALE S.r.L., VIA BANAFFA 55, IT-48018 FAENZA RA, PH. +39 (0)546 634037 – FAX +39 (0) 546 634031

EMERGENCY CALL: +39 (0)546 634037

2 – COMPOSITION AND INFORMATION ON INGREDIENTS

- PLASTIC MATERIALS BASE POLYETHYLENE AND OLEPHINIC COPOLYMERS
- THE PRODUCT MAY BE USED IN CONNECTION WITH POLYOLEPHINIC ADHESIVES, COPOLYMERS OR POLIAMMIDES

3 – HAZARD IDENTIFICATION

- 3.1 THE PRODUCTS ARE NOT HAZARDOUS AS SUPPLIED

4 – FIRST AID MEASURES

- 4.1 EYE CONTACT: IN THE EVENT OF CONTACT WITH THE MELTED PRODUCT, RINSE THE AFFECTED AREA WITH WATER. IF IRRITATION CONTINUES, CONSULT PHISICIAN
- 4.2 SKIN CONTACT: IN THE EVENT OF CONTACT WITH THE MELTED PRODUCT, RINSE THE AFFECTED AREA WITH WATER. DO NOT TEAR CLOTHES FROM THE SKIN, TREAT AS SCALDS, CONSULT PHISICIAN
- 4.3 INHALATION: IN THE EVENT OF EXPOSURE TO VAPOURS OF THE BURNT PRODUCT BRING THE VICTIM TO OPEN AIR. IN CASE OF BREATHING PROBLEMS, CONSULT PHISICIAN

5 – FIRE FIGHTING MEASURES

- 5.1 RECOMMENDED EXTINGUISH MEANS: WATER, FOAM, POWDER
- 5.2 FORBIDDEN MEANS: NONE
- 5.3 COMBUSTION RISKS: POSSIBLE FORMATION OF TOXIC GASES
- 5.4 OUTFIT: PROTECTIVE MASK (BREATHING MASK IF THE CONCERNED AREA IS CLOSED AND HEAVVILY IMPREGNATED). USE PROTECTIVE CLOTHING.

6 – ACCIDENTAL RELEASE MEASURES

- 6.1 PROTECTIVE MEANS: NO SPECIFIC RECOMMENDATION
- 6.2 PRECAUTIONS: NOT APPLICABLE
- 6.3 RECLAMATION: COLLECT AND DISPOSE

7 – HANDLING AND STORAGE

- 7.1 HANDLING: USE NORMAL CARE FOR PERSONAL AND INDUSTRIAL CLEANING
- 7.2 STORAGE: NO TIME AND QUANTITY STORAGE LIMIT PROVIDE THE PRODUCT IS KEPT IN THE ORIGINAL SEALED PACKING, IN DRY, SHELTER AND VENTILATED ARE AND AMBIENT TEMPERATURE NOT TO EXCEED 40°C.

8 – EXPOSURE CONTROL – PERSONAL PROTECTION

- 8.1 PRECAUTIONS: VENTILATE ADEQUATELY AREAS WHERE THE PRODUCT IS STOCKED. USE NORMAL PROTECTIVE MEANS FOR INDIVIDUAL PROTECTION (WORK CLOTHING, GLOVES AND, IN CASE OF OVERHEATING OF THE PRODUCT, BREATHING MASK AND GLASSES).
- 8.2 SUITABLE PROTECTIVE MATERIALS: NEOPRENE, RUBBER
- 8.3 EXPOSURE LIMITS: NONE

9 – PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 APPEARANCE: SOLID, IN SHAPE OF SHEET USUALLY ROLLED, CHARACTERISTIC SMELL, BLACK BRIGHT COLOR
- 9.2 BOILING POINT: OVER +100°C
- 9.3 MELTING POINT: FROM 65 TO 160 °C
- 9.4 DENSITY: FROM 1,0 TO 1,8 GR/CC

10 – STABILITY AND REACTIVITY

- 10.1 STABLE IN NORMAL CONDITIONS
- 10.2 TO AVOID: HEAT SOURCE, OXIDIZER, ACIDS, BASIC
- 10.3 DECOMPOSITION DANGER: NEGLIGIBLE FOLLOWING MANUFACTURER'S HANDLING AND INSTALLATION INSTRUCTIONS. THERMAL DECOMPOSITION OR COMBUSTION MAY PRODUCE HARMFUL GASES AS (ENUMERATION NOT COMPLETE) ALCOL, ALDHEYD, CARBON DIOXIDE, CARBON MONOXIDE, HYDROCARBON, KETON.

11 – TOXICOLOGICAL INFORMATIONS

- 11.1 ACUTE TOXICITY: NOT RELEVANT
- 11.2 CHRONIC TOXICITY: NOT RELEVANT
- 11.3 WAY OF RISK: INHALE GASES IN CASE OF COMBUSTION
- 11.4 IMMEDIATE EFFECT/SYMPOMS:
 - 11.4.1 BY INHALING: COUGH, HEADACHE, VERTIGO, NAUSEA
 - 11.4.2 BY INGESTION: NOT APPLICABLE
 - 11.4.3 BY SKIN CONTACT: WHEN HEATED THE PRODUCT CAUSES SCALDS
 - 11.4.4 BY EYE CONTACT: WHEN HEATED THE PRODUCT MAKES IRRITATING VAPOURS OR SMOKES
 - 11.4.5 RETARDANT EFFECT: NO RETARDANT EFFECT KNOWN

12 – ECOLOGICAL INFORMATIONS

- 12.1 ECOTOXICITY: N.A.
- 12.2 MOBILITY: N.A.
- 12.3 RESISTANCE AND BIODEGRADABILITY: N.A. – HARDLY BIODEGRADABLE IN WATER
- 12.4 BIOACCUMULATION CAPACITY: N.A.
- 12.5 OTHER ADVERSE EFFECTS: N.A. – NOT DANGEROUS FOR OZONE

13 – DISPOSAL CONSIDERATIONS

- 13.1 REGULATIONS CONCERNING WASTE: CODE 08 04 99 (WASTE NOT OTHERWISE SPECIFIED) ACCORDING TO 75/442/CEE, G.U. L47 DTD. 16.02.2001
- 13.2 DSIPOSAL METHOD: DO NOT DISCHARGE IN SEWAGE NOR ON THE AMBIENT. RE-CYCLE OR DISPOSE BY BURNING IN APPROPRIATE INCINERITORSOS (AUTHORISED DISCHARGE AREAS CLASS II, HIGH TEMPERATURE INCINERITORS WITH POST-BURNERS AND TREATMENT OF SMOKES.)
- 13.3 PACKING: NOT RELEVANT

14 – TRANSPORT INFORMATIONS

14.1 14.7: NOT SUBJECT TO INTERNATIONAL RULES FOR TRANSPORT OF HAZARDOUS GOODS

15 – REGULATORY INFORMATIONS

15.1 NOT APPLICABLE

16 – OTHER INFORMATIONS

- 16.1 THE INFORMATIONS HEREIN CONTAINED ARE BASED ON OUR KNOWLEDGE AT THE DATE INDICATED HEREBELOW. THEY ARE APPLICABLE EXCLUSIVELY TO THE GROUP OF PRODUCT NOMINATED AND DO NOT CONSTITUTE WARRANTY OF PARTICULAR QUALITY.
- 16.2 THE USER IS OBLIGED TO ASSURE CONFORMITY AND COMPLETENESS OF THE INFORMATIONS WITH REGARD TO THE USE HE WILL MAKE OF THE PRODUCT
- 16.3 THE USE OF THE PRODUCT IS NOT UNDER DIRECT CONTROL OF THE MANUFACTURER: CONSEQUENTLY THE USER SHALL COMPLY – UNDER ITS OWN RESPONSIBILITY – WITH THE LAWS CONCERNING SAFETY AND HYGIENE.

DECEMBER 2002 – MSDS-ZIP 3