



Safety Information Data Sheet- SIDS

Polymer modified bitumen sheets, delivered in rolls

Edition : 2017 03 01

FOREWORD

Chemical substances regulation N°1907/2006, known as REACH, in force since the 1st of June 2007, asks for MSDS for any dangerous substance and mix when classified or containing more than 1% of any classified substance or having a communitary exposure level, and Regulation CLP (EC) N° 1272/2008 asks for their labelling.

According to Regulation 1907/2006, bituminous waterproofing materials delivered in rolls are articles, not submitted to MSDS and consequently not to labelling. Nevertheless, LLC "TechnoNICOL Voskresensk" is willing to deliver to the users of its rolls a Voluntary Basis Established MSDS, called VMSDS, based on the same 16 points as the MSDS system, in order to inform them about how to best handle these products during their installation.

1. SUBSTANCE/MIX AND COMPANY/PRODUCER IDENTIFICATION

1.1 Product identification : bituminous product in rolls

1.2 Relevant identified uses of the substance or mix and irrelevant uses :

- Identified uses : building waterproofing sheets to un-roll and weld or glue.
For complementary products, such as glues, hot applied mixes, refer to their relevant MSDS or VMSDS.

- Irrelevant uses : none except if indicated elsewhere in the present VMSDS

1.3 VMSDS supplier informations:

Company : "TechnoNICOL Voskresensk"

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Voskresensk, Promploschadka 5V

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2. DANGERS or HAZARD IDENTIFICATION

2.1 Substance or mix Classification:

The product is not submitted to labelling according to (CE) n° 1907/2006 -1272/2008 concerning classification, packaging and labelling of dangerous substances
N° CE: not applicable.

2.2 Labelling informations :

None according to (CE) n° 1907/2006 - 1272/2008 and addenda.

2.3 Other dangers :

These products are combustible and can emit hazardous decomposition emissions (see art. 5.2 or 10.6).

During soft application with gas burner, vapours are emitted (see art. 8).

HEALTH RISK Acute nose and throat irritation are possible during the heat treatment and application of the product, especially in indoor or poorly ventilated environments, due to the inhalation of potentially hazardous substances such as gas and condensed fumes.

SAFETY RISK The molten product may adhere to the skin and may cause burns. The presence of inflammable materials (HC vapours, etc.) may cause fire events.

ENVIRONMENTAL RISKS Membranes may cause long-term adverse effects because

their components are not biodegradable.

3. COMPOSITION / INFORMATIONS ON COMPONENTS

3.1 Substances: not applicable, this product is an article according REACH.

3.2 Mixes: not applicable, this product is an article according REACH.

3.3 Articles :

- Article Description : mineral or organic matrix supporting organical components of high molecular weight : polymer modified bitumen.
- Dangerous Components: none according (CE) n° 1907/2006 - 1272/2008 and addenda modifications.

4. FIRST AID

4.1 First aid description :

- General information: no danger requiring special first aid measures.
- inhalation : inhalation is not a relevant exposure track for outdoor works. Bring to free air exposure when accidental inhalation of vapours or decomposition emissions
- skin contact:
 - DO NOT use gasoil nor solvents nor dilutants.
 - There is burn risk when the bitumen is melted due to heating. In such case, immerse the burnt zone into fresh water during 10 minutes minimum. DO NOT try to take off the clothes. Never try to take off bitumen from skin. Ask for medical assistance in order him to uncoat and treat the burns.
- eyes contact : There is burn risk when the bitumen is melted due to heating. In case of eye contact, wash immediately and thoroughly with fresh water for at least 15 mn and consult a specialist. Do not pull product away from the eye. In case of irritation by fumes wash out with cold water.
- ingestion : not applicable.

4.2 Main symptoms and effects, heavy and delayed:

They are described in art11.

- inhalation: none in normal use outdoor or ventilated indoor,
- skin contact: none if normal use ;
- eyes contact : none if normal use ;
- ingestion : none.

4.3 Immediate medical care and specific treatments if necessary :
Considered as a burnt due to a contact to a hot to very hot solid.

5. FIRE FIGHTING MEASURES

5.1 Extinguishment means:

- appropriate extinguishing means: alcohol resistant foams, carbon dioxyde (CO2), water spray (to cool down the burning containers walls), dry non combustible materials such as sand or soil.
- inappropriate extinguishing means : water jet use is forbidden.

5.2 Specific dangers due to the nature of the substance or the mix:

A fire will produce thick fumes. Exposure to decomposition emissions can be hazardous.

5.3 Advices to Firemen : wear a self working respiratory equipment

Special methods : cool down with water the closed cans which are exposed to the fire.

Prevent fire fighting effluents to penetrate into the sewage network or to go to the river.

6. MEASURES TO TAKE IN CASE OF ACCIDENTAL DISPERSION

6.1 Individual precautions, protective equipments and emergency procedure :
Not applicable.

6.2 Environmental precautions
Not applicable.

6.3 Methods and materials for encapsulation and cleaning:
Place and eliminate waste into drums according to the regulation (see art 13).

6.4 Other sections reference:
Not applicable.

7. HANDLING AND STORAGE

7.1 Handling

- Cautions for safe handling: product handling does not require any special means other than protective gloves.
 - Application advice: over 25kg rolls are to be handled either with mechanical handling tools or with manual handling tools avoiding each individual worker to load more than 25kg.
 - Apply the normal handling technics and the appropriate gestures.
 - Technical measure (s) : no need of specific technical protective measures.
- Provide appropriate ventilation when the product is applied in indoor or poorly ventilated environments

7.2 Storage :

- Safe storage conditions, including eventual chemical incompatibility : keep far from heat/sparklings/naked flames/ hot surfaces /electrical equipment
- Do not smoke.
- Technical measure(s): not applicable.
- Rolls storage condition(s): up-stand. Keep original packaging and do not stack them
- Types of materials to use as a re-packaging/ container : same as original.
- Protect material from heat and direct sunlight (temperature 0°- 40°C)
- For safe storage follow the specific storage recommendations for this product.
- It is not necessary to take precautionary measures to prevent the formation of static electricity.
- Open flames are prohibited.
- Keep extinguish media available (Point 5).

7.3 Specific use:

For welding , the gloves have to be selected amongst not meltable mterials (leather for instance) ; in case of application with hot bonding (pour and roll) or mastic asphalt, the gloves have to be equiped with oversleeves which have to be connected with the shirt sleeves in order to prevent accidental burns due to liquid bitumen flow.

Membrane applications should follow the "Technical instructions" provided by the manufacturer, according to the principles of good technique and Safety (point 8,16).

In case of indoor or poorly ventilated applications, use the Personal Protective Equipment (Point 8). Avoid open flames.

8. EXPOSURE CONTROL/ INDIVIDUAL PROTECTION

8.1 Control parameters :

- Exposure limit : not applicable.
- Technical measure(s): for works in confined areas, install a ventilation system able to renovate the air volume more than 20 times. It has to suck the atmosphere at the working place and in the whole area as well.

8.2 Exposure control in case of gas burner welding:

- Respiratory track protection :

- Not applicable for outdoor works.
- For indoor ventilated works : use of a respiratory mask with A2/P3 type filter according EN 14387+A1.
- Skin and body protection:
 - Direct (gas flame) or indirect (melted bitumen) burns risks, exposure to bitumen fumes condensates on not protected body parts (arms, legs) for which protective equipments are necessary (non melting gloves , for instance leather made), with oversleeves for connection to long sleeves clothes (made of non melting material too) in case of works with melted bitumen or mastic asphalt.
 - Outdoor works are exposing workers to UV rays as any outdoor occupation.
- Eyes protection:
 - None in general ;
 - use of sunglasses is necessary for works on highly reflective white or aluminium coated membranes.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on essential physical and chemical properties :

- Aspect : solid, with various shapes under ambient temperature, pasty to liquid when close to Ring and Ball Softening point (widely more than 100°C) ;
- Colour : black ;
- Odor : none ;
- PH : not applicable ;
- Flash Point: not applicable (300°C) ;
- Self ignition temperature: >350°C ;
- Burst limit: not applicable ;
- Relative density (water = 1000 kg/m³) : 950 - 1500 kg/m³ (20°C).

9.2 Other information :

- Hydrosolubility : not mixable ;
- Lipid solubility : swells, eventually can be soluble;
- Solubility with solvents : soluble in most of the organical solvents.

10. STABILITY AND REACTIVITY

10.1 Reactivity :

The mix is stable under art 7 recommendations of handling and storage.

10.2 Chemical stability:

The mix is stable under art 7 recommendations of handling and storage.

10.3 Dangerous reactions capability : not applicable

10.4 Conditions to avoid : none if normal use.

10.5 Incompatible materials : none

10.6 Dangerous decomposition substances :

Exposed to high temperature, the mix can generate dangerous decomposition substances, such as carbon monoxide and dioxide, fumes, nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects : no available information on the mix.

Heavy toxicity:

- Inhalation : none if normal use;
- skin contact: none if normal use;
- eyes contact: none if normal use;
- Ingestion : none.

12. ECOLOGICAL INFORMATION

12.1 Toxicity : No toxicological effects on the environment are known or expected under normal conditions of use.

12.2 Persistancy et degradability : not applicable.

12.3 Bioaccumulative potential : not applicable.

12.4 Soil mobility : not applicable.

12.5 PBT and vPvB evaluation result: no available data on the mix itself.

12.6 Other negative effects : not applicable.

13. CONSIDERATIONS FOR ELIMINATION

Waste nature: DIB / Not dangerous, not inert waste.

Waste treatment : can be disposed into waste disposals or incinerated, according to local regulation.

Contaminated packaging : used waste and packagings are to be treated according to local regulation.

14. TRANSPORTATION INFORMATIONS

14.1 ONU number : not applicable.

14.2 UN Expedition number : not applicable.

14.3 Danger Class for transportation: not applicable.

14.4 Packaging Group : not applicable.

14.5 Environmental danger : not applicable.

14.6 Special peculiar precautions to be taken by users : not applicable.

14.7 Bulk Transportation according to MARPOL 73/78 annex II convention and IBC records: not applicable.

15. REGULATORY INFORMATIONS

15.1 Regulations / laws specific to the substance or the mix, concerning health, safety and environment : not applicable.

15.2 Chemical safety evaluation: not applicable.

16. OTHER INFORMATIONS

Important advices and comments : it is recommended to provide the users with the informations included in this VMSDS, in any appropriate form.

These informations are based on our existing knowledge and experience.

They have to be considered as a description of safety requirements related to our product and not as a guarantee of its properties.

It is the responsibility of the user to take all necessary means in order to respect local legislation and regulation.

Restrictions : the product cannot be used for other purpose than the above specified uses without written instructions from the producer.

References and literature :

- components MSDS from the suppliers if any.
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