

Voluntary Materials Safety Data Sheet- VMSDS

Bitumen sheets, delivered in rolls

Edition : 09/03/2016

**Büsscher
Hoffmann**

Waterproofing Systems

FOREWORD

Chemical substances regulation N°1907/2006, know 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 communautory exposure level.

Bituminous waterproofing materials delivered in rolls are articles, not submitted to MSDS. Nevertheless, Büsscher & Hoffmann GmbH 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 : Büsscher & Hoffmann GmbH
Adress: A-4470 Enns (AUSTRIA), Fabrikstrasse 2
Tel: +43(0)7223/823 23-0
Telefax: +43(0)7223/823 23-42
E-mail: office@bueho.com

1.4 Emergency phone calls

Toxicological Information Centre Vienna (Austria), Tel : +43(0)1/406 43 43

2. DANGERS IDENTIFICATION

2.1 Substance or mix Classification

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

N° CE: Not applicable.

2.2 Labelling informations

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

2.3 Other dangers

These products are combustibile 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).

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

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3.3 Articles

- Article Description:

Mineral or organic matrix supporting organical components of high molecular weight : bitumen and / or 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 a doctor 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 throuroughly with fresh water and consult a specialist

- 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.

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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.

7.2 Storage :

- Safe storage conditions, including eventual chemical incompatibility :

Keep far from heat/sparklings/naked flames/ hot surfaces. Do not smoke.

- Technical measure(s): not applicable.

- Rolls storage condition(s): Up-stand. Keep original packaging.

- Types of materials to use as a re-packaging/ container: Same as original.

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 equipped with oversleeves which have to be connected with the shirt sleeves in order to prevent accidental burns due to liquid bitumen flow.

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.

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- 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
- Odour: 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

- Solubility: insoluble in water, soluble in many organic 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 toxic effects known

12.2 Persistency 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.

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13. CONSIDERATIONS FOR ELIMINATION

Waste nature: DIB / non dangerous, 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.

Legal disclaimer :

The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

The information provided in this safety data sheet is believed to be correct based on the current level of our knowledge, but is not in any way a guarantee of the product characteristics. The safety data sheet does not warrant the adherence of certain features in the sense of legally binding. Legal requirements must be observed at the user's own responsibility.

Sector issuing the data sheet: Büsscher & Hoffman GmbH

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