
Trade name: Melavill SP**Current version :** 1.0.0, issued: 19.01.2017**Replaced version:** -, issued: -**Region:** GB

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name****Melavill SP**

Substance name ASPHALT, OXIDIZED
REACH registration no. 01-2119498270-36-0055

Identification numbers

CAS no. 64742-93-4
EC no. 265-196-4

1.2 Relevant identified uses of the substance or mixture and uses advised against**Relevant identified uses of the substance or mixture**

Special bitumen for sealing sheet piling interlocks

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet**Address**

VILLAS AUSTRIA GmbH
Industriestraße 18
A-9586 FÜRnitz

Telephone no. +43 (0)4257/2241-0
Fax no. +43 (0)4257/2241-2390
e-mail office@villas.at

Advice on Safety Data Sheet

villas@icopal.com.at

1.4 Emergency telephone number

GIZ Erfurt / Notrufnummer +49 (0) 361 73073 0

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification information**

This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

Not relevant

2.3 Other hazards

Dangers associated with hot bitumen occur only during processing; Physical-chemical hazards:

Not dangerous at normal ambient temperatures. Burn risk when bitumen is hot, contact with hot bitumen may lead to permanent skin damage. If hot bitumen comes in contact with water, steam will spontaneously form, splashing and boiling over will occur. Health Hazards:

If hot bitumen is stored in storage tanks, transport containers or other closed vessels for longer periods of time, hydrogen sulphide (H₂S) and other dangerous vapors may form in the steam chamber of the bitumen tank. Danger of poisoning, danger of spontaneous combustion. Prolonged or repeated inhalation exposure to high vapor concentrations may result in irritation of the eyes and respiratory tract. Signs of vapor overload include dizziness, nausea, cough, unconsciousness. Sense of smell may be impaired, so do not rely on odor as an indication of risk.

PBT assessment

No data available.

vPvB assessment

No data available.

Trade name: Melavill SP**Current version :** 1.0.0, issued: 19.01.2017**Replaced version:** -, issued: -**Region:** GB

SECTION 3: Composition/information on ingredients**3.1 Substances****Chemical characterization**

Substance name ASPHALT, OXIDIZED

Identification numbers

CAS no. 64742-93-4

EC no. 265-196-4

3.2 Mixtures

Not applicable. The product is not a mixture.

SECTION 4: First aid measures**4.1 Description of first aid measures****General information**

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. If the patient is likely to become unconscious, place and transport in stable sideways position. Remove affected person from danger area, lay him down. Seek medical advice immediately.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. In case of breathing difficulties give oxygen. Call a doctor immediately.

After skin contact

Risk of burns when handling hot bitumen. If hot bitumen comes in contact with skin, do not attempt to remove the bitumen from the skin. Immediately place the affected body part under (running) cold water for at least 10 minutes. In case of a circular bituminous mass, which could cut off circulation, make an incision. Smaller bitumen splashes can either be removed from the skin using olive oil or paraffin oil. In case of contact with the skin, seek medical treatment. Remove contaminated clothing immediately and dispose of safely.

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart and seek medical advice. Fumes from heated material may cause temporary irritation. Get medical attention if pain still persists.

After ingestion

Ingestion is unlikely because of the physical properties. Call in a physician immediately and show him the Safety Data Sheet.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing media**

Water spray jet; Foam; Extinguishing powder; Carbon dioxide; Fight larger fires with alcohol-resistant aqueous film-forming foams (AR-AFFF)

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO); Sulphur dioxide (SO₂); Products of incomplete combustion (A complex mixture of organic compounds); Iron sulfide

Trade name: Melavill SP

Current version : 1.0.0, issued: 19.01.2017

Replaced version: -, issued: -

Region: GB

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Run-off water from fire fighting must not be discharged into drains or enter surface water. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Keep away sources of ignition. Avoid contact with skin, eyes and clothing. Use personal protective clothing. Risk of burns while handling the molten material. Ensure adequate ventilation. Do not inhale vapours.

For emergency responders

Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Embank hot liquid after spillage and let it cool down. Take up residues mechanically after solidification. When picked up, treat material as prescribed under heading "Disposal considerations". Use spark-free tools.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Dangers associated with hot bitumen occur only during processing; Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as far as possible by the state of the art. Risk of burns when handling hot liquid product. May splash in contact with water when hot. Avoid local areas of overheating when bringing product to operating temperature; Do not empty pipes and hoses using steam; Ensure adequate ventilation.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Avoid contact with eyes and skin. Do not inhale vapours.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Do not store outside. Do not store in open or unlabelled container. Protect against wetness. Protect from direct sunlight. Blocks can deform when stored at higher temperatures and for longer periods. Deposits can form on the walls and upper surface of the storage tanks during periods of longer storage. These deposits can be pyrophoric (iron sulfide) and may spontaneously ignite when exposed to air (eg. by opening the tank). Hydrogen sulfide (H₂S) can accumulate in storage tanks.

Recommended storage temperature

Value	<	200	°C
-------	---	-----	----

Requirements for storage rooms and vessels

Keep only in the original container.

Appropriate Material	stainless steel
Inappropriate material	plastic

7.3 Specific end use(s)

No data available.

Trade name: Melavill SP

Current version : 1.0.0, issued: 19.01.2017

Replaced version: -, issued: -

Region: GB

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No parameters available for monitoring.

8.2 Exposure controls

Appropriate engineering controls

Maintain operating temperatures that are as low as possible. If possible, handle in a closed system. Provide good ventilation. Dangers associated with hot bitumen occur only during processing

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol, vapour and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection

Face shield

Hand protection

Heat-resistant gloves (EN 407); Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Other

Check suitability of protective clothing for the specific workplace conditions. Chemical resistance of the protective equipment should be discussed with the manufacturer of the protective equipment.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form/Colour	
solid	
black	
Odour	
odourless	
Odour threshold	
No data available	
pH value	
No data available	
Boiling point / boiling range	
No data available	
Melting point / melting range	
No data available	
Softening point / softening temperature (Vicat softening point)	
Value	70 - 95 °C
Method	EN1427
Decomposition point / decomposition range	
No data available	
Flash point	
Value	>= 250 °C
Method	EN ISO 2592

Trade name: Melavill SP

Current version : 1.0.0, issued: 19.01.2017

Replaced version: -, issued: -

Region: GB

Auto-ignition temperature	
Value	°C
Remarks	Product is not selfigniting.
Oxidising properties	
none	
Explosive properties	
No data available	
Flammability (solid, gas)	
No data available	
Lower flammability or explosive limits	
No data available	
Upper flammability or explosive limits	
No data available	
Vapour pressure	
Value	< 1 hPa
Vapour density	
No data available	
Evaporation rate	
No data available	
Relative density	
No data available	
Density	
Value	1.02 - 1.05 g/cm ³
Reference temperature	25 °C
Solubility in water	
Remarks	insoluble
Solubility(ies)	
No data available	
Soluble in	
solvents	
Partition coefficient: n-octanol/water	
No data available	
Viscosity	
No data available	
9.2 Other information	
Other information	
Penetration index (EN 12591, Annex A): >2.0	

SECTION 10: Stability and reactivity

10.1 Reactivity

Dangerous reactions are not expected if the product is handled according to its intended use.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

None, if handled according to order.

Trade name: Melavill SP

Current version : 1.0.0, issued: 19.01.2017

Replaced version: -, issued: -

Region: GB

10.4 Conditions to avoid

Temperatures > 200 °C. Violent reaction with water at high temperatures.

10.5 Incompatible materials

strong oxidizing agents

10.6 Hazardous decomposition products

In case of fire: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity	No data available
Acute dermal toxicity	No data available
Acute inhalational toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Reproduction toxicity	No data available
Carcinogenicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available

Trade name: Melavill SP

Current version : 1.0.0, issued: 19.01.2017

Replaced version: -, issued: -

Region: GB

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)
No data available
Toxicity to fish (chronic)
No data available
Toxicity to Daphnia (acute)
No data available
Toxicity to Daphnia (chronic)
No data available
Toxicity to algae (acute)
No data available
Toxicity to algae (chronic)
No data available
Bacteria toxicity
No data available

12.2 Persistence and degradability
No data available.

12.3 Bioaccumulative potential
No data available.

12.4 Mobility in soil
No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	No data available.
vPvB assessment	No data available.

12.6 Other adverse effects
No data available.

12.7 Other information

Other information
Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Waste code 05 01 17 Bitumen

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

Trade name: Melavill SP

Current version : 1.0.0, issued: 19.01.2017

Replaced version: -, issued: -

Region: GB

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

In accordance with the Reach regulation (EC) 1907/2006, the product does not contain any substances that are considered as subject to listing in annex XIV, inventory of substances requiring authorisation.

REACH candidate list of substances of very high concern (SVHC) for authorisation

In accordance with article 57 and article 59 of the Reach regulation (EC) 1907/2006, this substance is not considered as subject to listing in annex XIV, inventory of substances requiring authorisation ("Authorization list").

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES

The substance is not subject to the provisions of annex XVII (restriction entries) of the Reach regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This substance is not subject to Part I or 2 of Annex I

15.2 Chemical safety assessment

For this substance a chemical safety assessment has been carried out.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Department issuing safety data sheet

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

Tel.: +49 40 / 555 546 300 Fax: +49 40 / 555 546 357 e-mail: umco@umco.de

Trade name: Melavill SP

Current version : 1.0.0, issued: 19.01.2017

Replaced version: -, issued: -

Region: GB

This information is based on our present knowledge and experience.
The safety data sheet describes products with a view to safety requirements.
It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO GmbH.