

1. Identification of the product and supplier

Product name: Sealoflex Color
Chemical name: Not available
Product type and intended use: Pigmentable binder for asphalt pavements
Supplier: Ooms PMB bv.
P.O. Box 1
1633 ZG Avenhorn
The Netherlands
Telephone nr. 0229-547700
Internet- and e-mail address: www.oomspmb.com; info@oomspmb.com

2. Hazards identification

Classification The product is classified as Non Hazardous according to guideline 1999/45/EG

Physical / chemical hazard The product is handled at elevated temperatures. When in contact with water severe steam reaction and foaming may occur. When significantly overheated the product may catch fire and cause explosion.

Health hazard The product can cause thermal burns when hot.
During normal use, at elevated temperature, the product emits fumes. The fumes may cause irritation to the mouth and throat.

Environmental hazard Under normal conditions no relevant environmental hazard exist.

3. Information on composition and ingredients

Description: A blend of components derived from crude petroleum oil and polymers. The product contains no dangerous substances according to EC Directive 67/548/EEC and further modifications and adaptations pointed out in this publication.

Chemical Name*	CAS-nr.	EG nr	%	Classification
Deasphalted vacuum residue	91995-70-9	295-332-8	< 65	Non classified
Synthetic resins	68131-77-1		> 30	Non classified
Synthetic polymers	9003-55-8		> 5	Non classified

This mixture does not contain any REACH registered substances that are assessed to be (very) persistent, bioaccumulative and toxic.

4. First Aid Measures

Inhalation: In case the inhalation of the fumes lead to irritation to the nose and throat or causes dizziness, bring the victim into fresh air. In case the irritation persists, contact a doctor.

Eye contact:
- After contact with the HOT product immediately flush with cold water with a duration of at least 5 minutes. Try to keep the eyelids open. Irrigate with water only and take the casualty immediately to a hospital.
- After contact with the COLD product flush with running water. If irritation persists contact a doctor.

Skin Contact: When in contact with the HOT product immediately flush with cold

water with a duration of at least 5 minutes. DO NOT try to remove the substance from the skin. Contact emergency services / a doctor when in doubt.

Ingestion:

- When HOT product, which is not likely, immediately contact emergency services.
- When COLD product contact a doctor in case of irritation or other symptoms.

5. Fire fighting measures

General

When on fire the material may emit combustion products including gasses, fume and airborne solids. Tanks may boil over in particular when in contact with water.

Fire fighting equipment

Foam, powder, CO₂, AFFF extinguishers

NEVER USE:

Water Jets

PPE for fire fighters

Use self contained breath protection when approaching fires in confined spaces.

6. Measures when the product is accidentally released.

Personal protective measures:

When the hot product is used in a confined space use self contained breath protection.

Environmental precautions:

After leakage prevent from spreading by means of damming the flood of material and let it cool down. Prevent entering into drains or sewage.

Method of cleaning:

Material can be removed by mechanical means when cooled down.

7. Handling and storage

The product shall not be overheated during handling and storage because of quality, health and environmental constraints. The temperature should be kept at least 30°C lower than the product flash point or below a maximum of 200°C, whichever is less. Avoid contact with the hot product during handling and storage.

Handling:

Use clean dry and heat resistant hoses for transfer of the material when liquid. Use compressed air to empty the pipe system. Avoid the use of steam or solvents.

Storage:

Use tanks or containers with steel linings only. Keep the temperature as low as recommended and minimize the exposure to oxygen. Be careful when opening hatches on top of storage tanks since after prolonged storage the vapour spaces may contain toxic gases. Both to avoid thermal degradation of the product. Ground and bond all transfer and storage equipment.

8. Exposure control and the use of personal protective equipment

Occupational exposure limits (for information only)

Material	Source Ref	Type	mg/m3	Notation
Asphalt fumes	EH40 WEL*	TWA	5	As fumes
	EH40 WEL*	STEL	10	As fumes
	ACGIH**	TWA	0.5	Inhalable fraction, as benzene soluble aerosol

* UK HSE Workplace exposure limits

** American Conference of Governmental Industrial Hygienists

Technical measures:

Ensure good ventilation.

Personal hygiene:

Maintain a good personal hygiene, never eat or smoke in work area's

Recommended monitoring procedure:

None

Personal protective equipment

Breath protection:

During normal handling no breath protection is required. Whenever working with the product in a confined space for a long period use self contained breath protection.

Skin and body:

Wear well fitted overalls



Hands:

Wear protective gloves that can withstand hot products.



Eyes:

Use face protection whenever conducting tasks at which the binder can splatter.



9. Physical and chemical properties

Physical appearance at handling temperature:	Fluid
Physical appearance at ambient temperature:	Viscous semi solid
Color:	Brownish
Odour:	Characteristic
Flash point:	>250°C
Density:	Approx 1,020 kg/m ³ at ambient temperature
Vapour pressure:	Negligible at 20°C
Vapour density	Heavier than Air
Solubility:	Insoluble in water, well soluble in organic solvents.
Softening point:	50-80°C
Electrical conductivity:	Isolator
Hygroscopes:	Non
Ignition temperature:	>350°C

10. Stability and reactivity

Chemical stability:	Stable
Conditions to avoid:	Overheating; Contact with water when hot; Contamination of tank isolation (may reduce the ignition temperature as low as 150°C.
Incompatible materials:	Strong oxidizing agents
Hazardous decomposition substances:	Fumes/vapours like carbon, CO, CO ₂ and C _x H _y .

11. Toxicological information

Immediate toxicity:	Experiments have shown that any health risks are associated with aromatic and polycyclic constituents in the product. The levels at which these are present in the binder are extremely low. The handling procedures and personal protective measures described should be followed to minimise employee exposure.
Inhalation:	May lead to irritation
Sensibility and irritation:	Probably low
Chronicle toxicity:	Not likely
Particular hazards:	Not known

12. Ecological information

Environmental toxicity:	Probably Low
Mobility:	Low, products solidifies at ambient temperatures
Persistence/degradability:	Persistent, ages superficially but will hardly break down
Bio accumulation:	Unlikely
Other environmental effects:	Physical contamination.

13. Instructions for disposal

Product waste: Binder is fully recyclable
Contaminated package: Dispose to authorized disposal station
Recycling of product: Binder is fully recyclable
Hazardous waste: Non hazardous




14. Transport Information

International transport regulations

COLD PRODUCT: Transported at ambient temperature

Identified as Non Hazardous (ADR, RID, UN,ICAO/IATA)

HOT PRODUCT: Transported at >100°C but under flash point temperature.

Legal compulsory information	UN-number		Class	PG*	Label	Extra informative
ADR/RIP Class	3257	Only as HOT Product	9	III		
IMDG/ADNR Class	3257	Only as HOT Product	9	III		Warning label 9
IATA Class	3257	Only as HOT Product	9	III		Forbidden to airfreight when molten/liquid.

* : Package group

15. Regulatory information

Safety phrases: S 23, S 25, S 26, S 37/39 when HOT Product
Risk phrases R35 when HOT Product

16. Other information

References:

Disclaimer

The guidelines and advise given in this MSDS are based on the current knowledge of the hazards and risks related to the handling and use of this product. When this product is mixed with other substances the user should beforehand aware herself/himself of the additional hazards and risks that may evolve.

History

Date of Release/Revision: 17-06-2014
Date of former release: Complete new release
Version 1.5