

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : ODE MEMBRAN
Product series : Opal, Granat, Rubin, Luna, Epikon
Product group : Bitumen based, water impermeable membrane

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

Use of the substance/mixture : Professional use
Restrictions on use : No data available

1.3. Details of the supplier of the safety data sheet

ODE Yalıtım Sanayi ve Ticaret A.Ş
Hacı Şeremet Mevkii 3. Sokak Çorlu / Tekirdağ
TURKEY
T +90 282 676 46 64 - F +90 282 676 46 68
info@ode.com.tr - www.ode.com.tr

1.4. Emergency telephone number

National Poison Center (UZEM) : +90 114
Emergency number : +90 282 676 46 64

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified as hazardous

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice. Thermal burns can occur in case of contact with hot products. One of the components of this product, asphalt, contains some of the PAHs (Polycyclic Aromatic Hydrocarbons), which have been shown causing skin cancer in experimental studies.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification (CLP)
Asphalt	(CAS-No.) 64741-56-6 (EC-No.) 265-057-8	< 50	Not classified
Calcium carbonate	(CAS-No.) 1317-65-3 (EC-No.) 215-279-6	> 30	Not classified
Polyester felt	-	-	Not classified
Glasswoven fabric	-	-	Not classified
Polyethylene film	-	-	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.

First-aid measures after skin contact : In case contact with cold product, wash skin with plenty of soap and water. In case contact with hot product, wash skin with cold water during 10 minutes. If skin irritation occurs: Get medical advice/attention.

DO NOT USE PETROL, GASOLINE OR OTHER SOLVENTS TO REMOVE CONTAMINATION FROM THE SKIN SURFACE

ODE MEMBRAN

Safety Data Sheet

according to Regulation (EU) 2015/830

- First-aid measures after eye contact : In case contact with cold product, rinse eyes with water as a precaution. In case contact with hot product, wash eyes with plenty of cold water. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation persists.
- First-aid measures after ingestion : Rinse mouth thoroughly with water. Drink plenty of water. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Hazardous decomposition products in case of fire; : Toxic fumes may be released. Carbon monoxide. Carbon dioxide. Hydrogen sulfide. Fire will produce dense black smoke.

5.3. Advice for firefighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.
- Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter drains or water courses.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Mechanically recover the product. Collect in closed containers for disposal.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep container tightly closed and dry. Keep in a cool, well-ventilated place away from incompatible materials. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Calcium carbonate (1317-65-3)		
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ inhalable dust
Asphalt (64741-56-6)		
USA - ACGIH	ACGIH TWA (mg/m ³)	0.5 mg/m ³
Glass wool		
USA - ACGIH	ACGIH TWA (mg/m ³)	1 fibres/ml

ODE MEMBRAN

Safety Data Sheet

according to Regulation (EU) 2015/830

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Protective gloves. Standard EN 374 - Protective gloves against chemicals. To prevent thermal burns avoid contact with hot product.

Eye protection:

Safety glasses. Standard EN 166 - Personal eye-protection.

Skin and body protection:

Wear suitable protective clothing. To prevent thermal burns avoid contact with hot product.

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Roll
Colour	: Black.
Odour	: Petroleum-like odour.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: 250 °C
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: Not applicable
Density	: Variable
Solubility	: Insoluble in water.
Log Pow	: No data available
Viscosity	: Not applicable
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: Not applicable

9.2. Other information

Softening point : ≈ 150 °C

Bituminous sheets do not contain asbestos or coal. It does not exist before anything as dangerous.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

ODE MEMBRAN

Safety Data Sheet

according to Regulation (EU) 2015/830

10.4. Conditions to avoid

Avoid contact with open flames, heat and ignition sources.

10.5. Incompatible materials

Organic solvents. Acids.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Hydrogen sulfide. Acids.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

General : Cold product causes very few health risks. There is no possibility of ingestion. A hot product may cause eye and skin burns. Inhalation of fog or vapour in hot temperature irritates the eyes, nose and throat.

Acute toxicity : Not classified

Asphalt (64741-56-6)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 94.4 mg/m ³

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

12.2. Persistence and degradability

Not readily biodegradable.

12.3. Bioaccumulative potential

Not expected to be bioaccumulative.

12.4. Mobility in soil

Insoluble in water. Not expected to be mobile in soil.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Dispose in a safe manner in accordance with local/national regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

European List of Waste (LoW) code : 17 03 02 - bituminous mixtures other than those mentioned in 17 03 01

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

ODE MEMBRAN

Safety Data Sheet

according to Regulation (EU) 2015/830

ADR	IMDG	IATA	ADN	RID
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substance on the REACH candidate list

15.1.2. National regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) nwg, Non-hazardous to water (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : Asphalt is listed

SZW-lijst van mutagene stoffen : Asphalt is listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
EC50	Median effective concentration
IATA	International Air Transport Association

ODE MEMBRAN

Safety Data Sheet

according to Regulation (EU) 2015/830

IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product