

Safety Data Sheet

Kerabit Bitumikattomaali / Bitumentakmassa

Replaces date: 10/10/2011

Revision date: 16/08/2023
 Version: 2.0.0

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

1.1. Product identifier

Trade name: Kerabit Bitumikattomaali / Bitumentakmassa

Unique Formula Identifier (UFI): 5TX0-10RV-200H-DSGD

Article no

Article no	Description
347	

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

Recommended uses: Paint for steel plates.

SU: Building and construction work (SU19).

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Nordic Waterproofing A/S
Address: Vester Allé 1
Zip code: 6600
City: Vejen
Country: DENMARK
E-mail: info@phonixtagmaterialer.dk
Phone: 79 96 21 21
Homepage: <https://www.nordicwaterproofing.com/>

1.4. Emergency Telephone Number

In case of a medical emergency following exposure to a chemical call NHS 111 - only available in certain areas of England (outside of these areas call NHS Direct on 0845 4647). The National Poisons Information Service emergency number is 0344 892 0111 (only available to health professionals).
 The emergency telephone is open 24 hours.
 Denmark: Call the Poison Control Hotline (Giftlinjen (Bispebjerg Hospital)), Tel. 82 12 12 12 in case of accident/poisoning emergency. The poison control hotline is open 24 hours a day.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: Flam. Liq. 3;H226
 STOT SE 3;H336

Most serious harmful effects: Flammable liquid and vapour. May cause drowsiness or dizziness. Prolonged or repeated inhalation of vapours may cause damage to the central nervous system. Repeated exposure may cause skin dryness or cracking.

Safety Data Sheet

Kerabit Bitumikattomaali / Bitumentakmassa

Replaces date: 10/10/2011

Revision date: 16/08/2023
Version: 2.0.0

2.2. Label elements

Pictograms



Signal word:

Warning

Contains

Substance:

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics;

Hazard Statements

H226

Flammable liquid and vapour.

H336

May cause drowsiness or dizziness.

Precautionary statements

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P271

Use only outdoors or in a well-ventilated area.

P280

Wear protective gloves.

P501

Dispose of contents/container in accordance with local regulations.

Supplemental information

EUH066

Repeated exposure may cause skin dryness or cracking.

VOC:

This product contains a maximum of 324 g VOC/L. The limit value is 500 g VOC/L (cat. A/i)

2.3. Other hazards

The product does not contain any PBT or vPvB substances.

The product does not contain any endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No./ EC No./ REACH Reg. No.	Concentration	Notes	CLP-classification
Bitumen	8052-42-4 232-490-9 01-2119480172-44	55 - 65 %		
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	- 919-857-5 01-2119463258-33	35 - 35 %	4	Flam. Liq. 3;H226 Asp. Tox. 1;H304 STOT SE 3;H336 EUH066
Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)	34140-91-5 251-846-4 01-2119974119-29	< 0.6 %		Skin Irrit. 2;H315 Eye Irrit. 2;H319 STOT RE 2;H373 Aquatic Acute 1;H400 Aquatic Chronic 2;H411 M (acute): 10

Please see section 16 for the full text of H- / EUH-phrases.

4 = H304 is not applicable due to the high viscosity of the product.

Safety Data Sheet

Kerabit Bitumikattomaali / Bitumentakmassa

Replaces date: 10/10/2011

Revision date: 16/08/2023
Version: 2.0.0

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:	Fresh air and rest under surveillance. Seek medical advice if symptoms persist. If the person is unconscious, call an ambulance and apply artificial respiration. If breathing, place the person in recovery position and keep warm.
Ingestion:	Rinse mouth thoroughly and drink water. Do not induce vomiting. Seek medical advice.
Skin contact:	Remove contaminated clothes. If necessary use a skin cleansing agent. Wash skin thoroughly with soap and water and apply skin cream. Seek medical advice in case of eczema or other skin discomforts.
Eye contact:	Rinse immediately with water for approx. 15 minutes. Open eyes wide. Remove any contact lenses. Seek medical advice if irritation persists.
Burns:	Rinse with water until the pain stops. Do not attempt to remove adhering bitumen. Remove clothes which do not adhere to the body – seek medical advice; if possible continue rinsing until a doctor takes over the treatment.
General:	When obtaining medical advice, show the safety data sheet or label.

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

Inhalation of vapours may cause respiratory irritation, dizziness and drowsiness.
Splashes in the eyes may cause irritation.
Degreases the skin. Repeated exposure may cause skin dryness or cracking.

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

No special immediate treatment required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:	Extinguish with powder, foam, carbon dioxide or water mist.
Unsuitable extinguishing media:	Do not use water jet, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous fumes containing carbon monoxide and sulphur oxides may be formed under fire conditions.

5.3. Advice for firefighters

Coordinate with fire in surroundings. In case of larger fires, wear a full-face positive-pressure self-contained breathing apparatus and protective suit.
If possible without risk, containers close to fire should be removed or cooled with water/water mist.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:	Provide adequate ventilation. Use personal protection. Be aware of the explosion hazard. Keep away from sources of ignition.
For emergency responders:	Provide adequate ventilation. Use personal protection. Be aware of the explosion hazard. Keep away from sources of ignition.

Safety Data Sheet

Kerabit Bitumikattomaali / Bitumentakmassa

Replaces date: 10/10/2011

Revision date: 16/08/2023
Version: 2.0.0

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth, and place in suitable containers for disposal according to local regulations.

6.4. Reference to other sections

See section 8 for type of protective equipment.
See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes.
Do not breathe vapour.
Smoking and naked flames prohibited.
Work with the product is covered by the Danish Working Environment Authority's executive order on work with code-numbered products.
See section 8 for information about precautions for use and personal protective equipment.
Running water and eye wash equipment should be available.

7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of the reach of children and away from food, animal feeding stuff, medicine, etc.
Store in tightly closed original container in a dry, cool and well-ventilated place. Follow The Danish Emergency Management Agency's technical regulations for flammable and combustible liquids. Fire hazard class II-1, unit of storage 5 liter.

7.3. Specific end use(s)

Specific end use – see section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit

Substance name	Time period	ppm	mg/m ³	fiber/cm ³	Remarks	Comments
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	8h	197	1200		RCP	

Occupational exposure limit: RCP: Reciprocal calculation procedure.

Measuring methods: Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

Legal basis: EH40/2005 Workplace exposure limits (Fourth Edition 2020).

PNEC

Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1), cas-no 34140-91-5				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (freshwater)	6,46 µg/l			

Safety Data Sheet

Kerabit Bitumikattomaali / Bitumentakmassa

Replaces date: 10/10/2011

Revision date: 16/08/2023
Version: 2.0.0

PNEC aqua (marine water)	0,646 µg/l			
PNEC aqua (intermittent releases)	4,1 µg/l			
PNEC sediment (freshwater)	388 mg/kg dw			
PNEC sediment (marine water)	38,8 mg/kg dw			
PNEC soil	9,93 mg/kg dw			

DNEL - workers

Bitumen, cas-no 8052-42-4

Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - local effects)	2,9 mg/m ³				

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, cas-no -

Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	300 mg/kg bw/day				
Inhalation DNEL (long-term exposure - systemic effects)	1500 mg/m ³				

Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1), cas-no 34140-91-5

Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - systemic effects)	0,0984 mg/m ³				
Dermal DNEL (long-term exposure - systemic effects)	14 µg/kg bw/day				

DNEL - general population

Bitumen, cas-no 8052-42-4

Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - local effects)	0,6 mg/m ³				

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, cas-no -

Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	300 mg/kg bw/day				
Inhalation DNEL (long-term exposure - systemic effects)	900 mg/m ³				
Oral DNEL (long-term exposure - systemic effects)	300 mg/kg bw/day				

Safety Data Sheet

Kerabit Bitumikattomaali / Bitumentakmassa

Replaces date: 10/10/2011

Revision date: 16/08/2023
Version: 2.0.0

Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1), cas-no 34140-91-5					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - systemic effects)	0,0174 mg/m ³				
Dermal DNEL (long-term exposure - systemic effects)	5 µg/kg bw/day				
Oral DNEL (long-term exposure - systemic effects)	5 µg/kg bw/day				

8.2. Exposure controls

Appropriate engineering controls:	Provide adequate ventilation. Provide for effective ventilation if used indoor. Wash hands before breaks, eating, toilet visits and after work. Use mild soap and water and apply skin cream after washing. Water and means of cleaning should be brought along if work is not carried out near mobile site huts or permanent common rooms.
Personal protective equipment, eye/face protection:	Wear face shield where splashing is possible. Eye protection must conform to EN 166.
Personal protective equipment, skin protection:	Wear coveralls with a hood if there is a risk of splashing. Hood or helmet shall be used in connection with splashing work.
Personal protective equipment, hand protection:	Wear protective gloves of e.g. nitrile rubber possibly with a cotton glove underneath. Gloves must conform to EN 374.
Personal protective equipment, respiratory protection:	Use respiratory protective equipment with filter type A2. Respiratory equipment is not necessary when the product is used on small surfaces outdoor or if the vapours are blown away from your face by effective natural ventilation. Wear an air-fed half face mask when applying the product indoor on large surfaces. Respiratory protection must conform to one of the following standards: EN 136/140/145.
Environmental exposure controls:	No special requirements.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Liquid
Colour	Black
Odour	Characteristic
Solubility	Insoluble in water

Parameter	Value/unit	Remarks
Odour threshold	ppm	No data available
Melting point	°C	No data available
Freezing point	°C	No data available
Initial boiling point and boiling range	°C	> 145 °C
Flammability (solid, gas)		No data available
Flammability limits		No data available
Explosion limits	vol%	0.6-7.0 vol % (solvent)
Flash Point	°C	38 °C
Auto-ignition temperature	°C	No data available
Decomposition temperature	°C	No data available
pH (solution for use)		Not applicable

Safety Data Sheet

Kerabit Bitumikattomaali / Bitumentakmassa

Replaces date: 10/10/2011

Revision date: 16/08/2023
Version: 2.0.0

pH (concentrate)		Not applicable
Kinematic viscosity	mm ² /s	> 20.5 mm ² /s (40 °C) Rotational viscosimeter (EN ISO 3219)
Viscosity	cP	5520 cP (20 °C)
Partition coefficient n-octanol/water		No data available
Vapour pressure	kPa	3 hPa (20 °C) (solvent)
Density		0.978 g/cm ³
Relative density	g/cm ³	No data available
Vapour density		No data available
Relative density (sat. air)		No data available
Particle characteristics		Not applicable

9.2. Other information

Other Information: None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

Vapours may ignite at temperatures above flash point and may form explosive mixtures with air. Vapours from the product are heavier than air and may spread along floors.

10.4. Conditions to avoid

Avoid heat, flames and ignition sources.

10.5. Incompatible materials

Avoid contact with strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products may be released at high temperatures.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - oral

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, cas-no -

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000 mg/kg bw			

Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1), cas-no 34140-91-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000 mg/kg bw		OECD 423	

May cause irritation. May cause discomfort.

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Acute toxicity - dermal

Safety Data Sheet

Kerabit Bitumikattomaali / Bitumentakmassa

Replaces date: 10/10/2011

Revision date: 16/08/2023
Version: 2.0.0

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, cas-no -

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 2000 mg/kg bw			

Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1), cas-no 34140-91-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000 mg/kg bw		OECD 402	

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Acute toxicity - inhalation

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, cas-no -

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50	4 h	> 4.95 mg/l			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Skin corrosion/irritation

Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1), cas-no 34140-91-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit		4h		Irritating		

Degreases the skin. Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1), cas-no 34140-91-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit				Irritating	OECD 405	

Splashes in the eyes can cause irritation.

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Respiratory sensitisation or skin sensitisation

Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1), cas-no 34140-91-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Guinea pig				Non-sensitising	OECD 406	

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Germ cell mutagenicity

Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1), cas-no 34140-91-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Mammalian cells.	In vitro micronucleus test			Inactive	OECD 487	
	Ames test			Inactive	OECD 471	
Mammalian cells.	In vitro gene mutation test			Inactive	OECD 476	

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Carcinogenic properties:

Prolonged and repeated skin contact with the product may possibly cause skin cancer. IARC (International Agency for Research on Cancer) evaluates that some animal tests of painting bitumen solution on skin have resulted in skin cancer. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Reproductive toxicity:

The product does not have to be classified. Based on existing data, the classification

Safety Data Sheet

Kerabit Bitumikattomaali / Bitumentakmassa

Replaces date: 10/10/2011

Revision date: 16/08/2023
Version: 2.0.0

criteria are deemed not to have been met.

Single STOT exposure: Inhalation of vapours can cause irritation of airways, drowsiness, dizziness, headache, intoxication and delayed response ability and, at high concentrations, possibly unconsciousness.

Repeated STOT exposure

Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1), cas-no 34140-91-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	NOAEL	28d	5 mg/kg bw/day	Oral.	OECD 407	

Prolonged or repeated inhalation of vapours may cause damage to the central nervous system with symptoms such as drowsiness, headache, concentration and memory problems.

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Aspiration hazard: The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

11.2. Information on other hazards

Endocrine disrupting properties: None known.

Other toxicological effects: None known.

SECTION 12: Ecological information

12.1. Toxicity

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, cas-no -

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Crustacea	Daphnia magna		48hEL50	> 1000 mg/l		OECD 202	
Fish	Oncorhynchus mykiss		96hLL50	> 1000 mg/l		OECD 203	
Algae	Pseudokirchneriella subcapitata		72hEL50	> 1000 mg/l			

Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1), cas-no 34140-91-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Bacteria		3 h	NOEC	993.2 mg/l		OECD 209	
Crustacea	Daphnia magna	21 d	EC10	0.135 mg/l		OECD 211, reproduction test	
Crustacea	Daphnia magna	21 d	EC50	0.14 mg/l		OECD 211	
Fish	Danio rerio		96hLC50	0.13 mg/l		OECD 203	
Algae	Pseudokirchneriella subcapitata	72 h	ErC50	0.041 mg/l		OECD TG 201	
Algae	Pseudokirchneriella subcapitata	72 h	ErC10	0.032 mg/l		OECD TG 201	
Terrestrial organisms	Eisenia fetida	56 d	NOEC	993.2 mg/kg dw		OECD 222	

The product does not have to be classified. Based on the available data, the classification criteria are not considered to be fulfilled.

Safety Data Sheet

Kerabit Bitumikattomaali / Bitumentakmassa

Replaces date: 10/10/2011

Revision date: 16/08/2023
Version: 2.0.0

12.2. Persistence and degradability

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics, cas-no -

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28 d		80 %	Readily biodegradable.		

Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1), cas-no 34140-91-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28 d		66 %	Readily biodegradable.	OECD 301 D	

The organic solvent is readily biodegradable. Bitumen is very slowly degradable.

12.3. Bioaccumulative potential

Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1), cas-no 34140-91-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Kow	0.03	Low bioaccumulative potential.	OECD 123	

Test data are not available.

12.4. Mobility in soil

The product has low mobility in soil.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

The product floats on water. May spread in the aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.
Chemical waste group: H

Category of waste: 08 01 11* waste paint and varnish containing organic solvents or other hazardous substances
15 02 02* absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: 1268	14.4. Packing group: III
14.2. UN proper shipping name: PETROLEUM PRODUCTS, N.O.S.	14.5. Environmental hazards: The product should not be labelled as an environmental hazard (symbol: fish and tree).

Safety Data Sheet

Kerabit Bitumikattomaali / Bitumentakmassa

Replaces date: 10/10/2011

Revision date: 16/08/2023
Version: 2.0.0

14.3. Transport hazard class(es): 3
Hazard label(s): 3
Hazard identification number: 30

Tunnel restriction code: D/E

Inland water ways transport (ADN)

14.1. UN number or ID number: 1268	14.4. Packing group: III
14.2. UN proper shipping name: PETROLEUM PRODUCTS, N.O.S.	14.5. Environmental hazards: The product should not be labelled as an environmental hazard (symbol: fish and tree).

14.3. Transport hazard class(es): 3
Hazard label(s): 3
Transport in tank vessels: Not applicable.

Sea transport (IMDG)

14.1. UN number or ID number: 1268	14.4. Packing group: III
14.2. UN proper shipping name: PETROLEUM PRODUCTS, N.O.S.	14.5. Environmental hazards: The product is not a Marine Pollutant (MP).
14.3. Transport hazard class(es): 3	Environmental Hazardous Substance Name(s): Not applicable.
Hazard label(s): 3	
EmS: F-E, S-E	IMDG Code segregation group: - None -

Air transport (ICAO-TI / IATA-DGR)

14.1. UN number or ID number: 1268	14.4. Packing group: III
14.2. UN proper shipping name: PETROLEUM PRODUCTS, N.O.S.	14.5. Environmental hazards: The product should not be labelled as an environmental hazard (symbol: fish and tree).

14.3. Transport hazard class(es): 3
Hazard label(s): 3

14.6. Special precautions for user

None.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

Other Information: The product is not subject to ADR for receptacles < 450 litres cf. 2.2.3.1.5 (viscous substances).
The product is not subject to the provisions of IMDG for the marking, labelling and testing of packages for receptacles < 30 litres cf. 2.3.2.5 (viscous substances). The following statement shall be included in the transport document: "Transport in accordance with 2.3.2.5 of the IMDG Code."

SECTION 15: Regulatory information

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

Special Provisions: The product is covered by the Danish Working Environment Authority's Executive Order on Working with Substances and Materials (chemical agents), No. 381 of 12 April 2023, Annex 4 - Working with asphalt materials. Maximum application temperature: No heating. Spraying of the product is not permitted. Special care should be applied for employees under the age of 18. Young people under the

Safety Data Sheet

Kerabit Bitumikattomaali / Bitumentakmassa

Replaces date: 10/10/2011

Revision date: 16/08/2023
Version: 2.0.0

age of 18 may not carry out any work causing harmful exposure to this product.
The employer must ensure that the workplace assessment includes an assessment of whether the employee is exposed to risks that could be hazardous to the pregnancy or to breastfeeding.
Executive Order on Work with Code-numbered Products.

15.2. Chemical Safety Assessment

REACH Reg. No.	Substance name
01-2119463258-33	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics
01-2119480172-44	Bitumen
01-2119974119-29	Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1)

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
2.0.0	16/08/2023	Susanne Brandt Hansen	Changes in all sections.

Abbreviations:

PBT: Persistent, Bioaccumulative and Toxic.
vPvB: very Persistent and very Bioaccumulative.
CLP: CLP-Regulation (EC) No 1272/2008 (Classification, Labelling and Packaging).
DNEL: Derived No Effect Level.
PNEC: Predicted No Effect Concentration.
LD50: Lethal Dose 50 %.
LC50: Lethal Concentration 50 %.
NOAEL: No Observed Adverse Effect Level.
LL50: Lethal Loading 50 %.
EL50: Effective Loading 50 %.
NOEC: No Observed Effect Concentration.
EC10: Effect Concentration 10 %.
EC50: Effect Concentration 50 %.
ErC50: Concentration with 50 % impact on growth rate.
ErC10: Concentration with 10 % impact on growth rate.
log Kow: Partition coefficient of a substance between octanol and water.
Asp. Tox.: Aspiration hazard.
Flam. Liq.: Flammable liquid.
STOT SE: Specific target organ toxicity — single exposure.
Skin Irrit.: Skin irritation.
Eye Irrit.: Eye irritation.
STOT RE: Specific target organ toxicity — repeated exposure.
Aquatic Acute, Aquatic Chronic: Hazardous to the aquatic environment.

Other Information:

PR-no.: 2287480.
Code-number: 2-1 (1993).
The safety data sheet is prepared from information provided by the supplier about physical/chemical properties and all ingredients in the product.

Training advice:

The work may only be carried out by persons who have completed one of the courses "Roofing, safety when working with bitumen and asphalt materials" or "Safety when working with cold-mix asphalt and bitumen". When working with the product, the persons in question must be registered and have completed the first available course. Until the training is completed, the user must have a special instruction at 4-week intervals. The instruction must be given by a person who has completed the training. The user must know the contents of this safety data sheet.

Vendor notes:

This product must be stored, handled and used in accordance with good industrial hygiene and safety practice.

Classification method:

Calculation based on the hazards of the known components.

Safety Data Sheet

Kerabit Bitumikattomaali / Bitumentakmassa

Replaces date: 10/10/2011

Revision date: 16/08/2023
Version: 2.0.0

List of relevant H-statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

List of relevant EUH-statements

EUH066	Repeated exposure may cause skin dryness or cracking.
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SDS is prepared by

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