



Voluntary safety information based on the Safety Data Sheet in accordance with Annex II of Regulation (EC) No 1907/2006

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BITUTAPE 150PVC-15M

SDS No. : 583069

V002.0

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SECTION 1: Identification of the article and of the company/undertaking

1.1. Product identifier

BITUTAPE 150PVC-15M

1.2. Relevant identified uses of the article and uses advised against

Intended use:

Bituminous product

1.3. Details of the supplier of the safety data sheet

Henkel Jebal Ali FZCO

PO Box 61341 - Jebel Ali

Dubai

Utd.Arab.Emir.

SDSinfo.Adhesive@henkel.com

For Safety Data Sheet updates please visit our website <https://mysds.henkel.com/index.html#/appSelection> or www.henkel-adhesives.com.

1.4. Emergency telephone number

HAAD Poison and Drug Information Center UAE, TOLL FREE TEL. NUMBER 800-424

SECTION 2: Hazards identification

2.1. Classification of the article

Classification (CLP):

Substances and preparations marketed in a specific form or within specific containers need not to be classified according to the REACH Regulation Article 3 (3).

2.2. Label elements

Label elements (CLP):

Substances and preparations marketed in a specific form or within specific containers need not to be classified according to the REACH Regulation Article 3 (3).

2.3. Other hazards

None if used properly.

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Following substances are present in a concentration \geq the concentration limit for depiction in Section 3 and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):

This mixture does not contain any substances in a concentration \geq the concentration limit for depiction in Section 3 that are assessed to be a PBT, vPvB or ED.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General chemical description:

Manufactured item - article

Base substances of preparation:

Bitumen

Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No.	EC Number	content	Classification
Asphalt 8052-42-4	232-490-9	40- 60 %	
Cadmium 7440-43-9	231-152-8	0,1- < 1 %	Repr. 2 H361fd Muta. 2 H341 Carc. 1B H350 STOT RE 1 H372 Aquatic Chronic 1 H410 Aquatic Acute 1 H400 Acute Tox. 2; Inhalation H330 ===== EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC) EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC)
Barium 7440-39-3	231-149-1	0,1- < 1 %	Aquatic Chronic 4 H413 Flam. Sol. 1 H228 Water-react. 1 H260 Eye Dam. 1 H318 Skin Corr. 1 H314 Acute Tox. 3; Oral H301

For full text of the H - statements and other abbreviations see section 16 "Other information".
 Substances without classification may have community workplace exposure limits available.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of adverse health effects seek medical advice.

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Inhalation:

Move to fresh air, consult doctor if complaint persists.

Skin contact:

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing.

Eye contact:

Rinse immediately with plenty of running water, seek medical advice if necessary.

Ingestion:

Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

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

See section: Description of first aid measures

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

carbon dioxide, foam, powder, water spray jet, fine water spray

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

5.2. Special hazards arising from the article

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO₂) can be released.

5.3. Advice for firefighters

Wear protective equipment.

Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment.

6.2. Environmental precautions

Do not empty into drains / surface water / ground water.

6.3. Methods and material for containment and cleaning up

Remove mechanically.

Dispose of contaminated material as waste according to Section 13.

6.4. Reference to other sections

See advice in section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No particular measures required.

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Hygiene measures:

- Wash hands before work breaks and after finishing work.
- Do not eat, drink or smoke while working.

7.2. Conditions for safe storage, including any incompatibilities

- Keep away from heat and direct sunlight.
- Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

7.3. Specific end use(s)

- Bituminous product

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits

Valid for
Utd.Arab.Emir.

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Asphalt 8052-42-4 [ASPHALT (BITUMEN) FUME AS BENZENE-SOLUBLE AEROSOL, INHALABLE FRACTION OF THE AEROSOL]		0,5	Time Weighted Average (TWA):		AD TLV
Asphalt 8052-42-4 [ASPHALT (FUMES)]		5	Time Weighted Average (TWA):		DB OEL
Asphalt 8052-42-4 [ASPHALT (FUMES)]		5	Time Weighted Average (TWA):		GCC TLV
Asphalt 8052-42-4 [ASPHALT (FUMES)]		5	Time Weighted Average (TWA):		UAE OEL
Polyvinyl chloride 9002-86-2 [POLYVINYL CHLORIDE (PVC), RESPIRABLE FRACTION]		1	Time Weighted Average (TWA):		AD TLV
Distillates (petroleum), solvent-refined heavy paraffinic 64741-88-4 [MINERAL OIL, PURE, INHALABLE FRACTION OF THE AEROSOL MINERAL OIL, HIGHLY AND SEVERELY REFINED, INHALABLE FRACTION OF THE AEROSOL]		5	Time Weighted Average (TWA):		AD TLV
Distillates (petroleum), solvent-refined heavy paraffinic 64741-88-4 [OIL MIST, MINERAL]		0,2	Time Weighted Average (TWA):		AD TLV
Cadmium 7440-43-9 [CADMIUM, ELEMENTAL]		0,02	Time Weighted Average (TWA):		UAE OEL
Cadmium 7440-43-9 [CADMIUM AND COMPOUNDS, AS CD, RESPIRABLE FRACTION]		0,002	Time Weighted Average (TWA):		AD TLV
Cadmium 7440-43-9 [CADMIUM AND COMPOUNDS, AS CD]		0,01	Time Weighted Average (TWA):		AD TLV
Cadmium 7440-43-9 [CADMIUM(ELEMENTAL)]		0,02	Time Weighted Average (TWA):		GCC TLV
Cadmium 7440-43-9 [CADMIUM (ELEMENTAL)]		0,02	Time Weighted Average (TWA):		DB OEL
Barium 7440-39-3 [BARIUM AND SOLUBLE COMPOUNDS, AS BA]		0,5	Time Weighted Average (TWA):		AD TLV
Barium 7440-39-3 [BARIUM COMPOUNDS (AS BA)]		0,5	Time Weighted Average (TWA):		DB OEL

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Occupational Exposure Limits

Valid for
Bharain

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Asphalt 8052-42-4 [ASPHALT (FUMES)]		5	Time Weighted Average (TWA):		BH TLV
Asphalt 8052-42-4 [ASPHALT (FUMES)]		5	Time Weighted Average (TWA):		GCC TLV
Cadmium 7440-43-9 [CADMIUM (ELEMENTAL)]		0,02	Time Weighted Average (TWA):		BH TLV
Cadmium 7440-43-9 [CADMIUM(ELEMENTAL)]		0,02	Time Weighted Average (TWA):		GCC TLV

Occupational Exposure Limits

Valid for
Egypt

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Asphalt 8052-42-4 [ASPHALT (PETROLEUM) FUMES (AS BENZENE SOLUBLE AEROSOLS)]		0,5	Time Weighted Average (TWA):		EG OEL
Limestone 1317-65-3 [CALCIUM CARBONATE (INCLUDING LIMESTONE AND MARBLE), TOTAL DUST CONTAINING NO MORE THAN 1% CRYSTALLIZED SILICA AND NO ASBESTOS]		10	Time Weighted Average (TWA):		EG OEL
Calcium carbonate 471-34-1 [CALCIUM CARBONATE (INCLUDING LIMESTONE AND MARBLE), TOTAL DUST CONTAINING NO MORE THAN 1% CRYSTALLIZED SILICA AND NO ASBESTOS]		10	Time Weighted Average (TWA):		EG OEL
Distillates (petroleum), solvent-refined heavy paraffinic 64741-88-4 [Mineral oil mist (except irritant oil)]		10	Short-term Exposure Limit (STEL):		EG OEL
Distillates (petroleum), solvent-refined heavy paraffinic 64741-88-4 [Mineral oil mist (except irritant oil)]		5	Time Weighted Average (TWA):		EG OEL
Cadmium 7440-43-9 [CADMIUM AND COMPOUNDS (AS CD), TOTAL DUST]		0,01	Time Weighted Average (TWA):		EG OEL
Cadmium 7440-43-9 [CADMIUM AND COMPOUNDS (AS CD), RESPIRABLE DUST]		0,002	Time Weighted Average (TWA):		EG OEL
Barium 7440-39-3 [BARIUM AND ITS SOLUBLE COMPOUNDS (AS BA)]		0,5	Time Weighted Average (TWA):		EG OEL

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Occupational Exposure Limits

Valid for
Jordan

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Asphalt 8052-42-4 [ASPHALT]		5	Time Weighted Average (TWA):		JO TLV

Occupational Exposure Limits

Valid for
Kuwait

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Asphalt 8052-42-4 [ASPHALT (FUMES)]		5	Time Weighted Average (TWA):		GCC TLV
Asphalt 8052-42-4 [ASPHALT (FUME)]		5	Short-term Exposure Limit (STEL):		KW OEL
Asphalt 8052-42-4 [ASPHALT (FUME)]			Harmful Concentration for risk to health and life:	Unknown	KW OEL
Polyvinyl chloride 9002-86-2 [PARTICULATES, INHALED]			Harmful Concentration for risk to health and life:	Unknown	KW OEL
Polyvinyl chloride 9002-86-2 [PARTICULATES, TOTAL]			Harmful Concentration for risk to health and life:	Unknown	KW OEL
Polyvinyl chloride 9002-86-2 [PARTICULATES, INHALED]		5	Time Weighted Average (TWA):		KW OEL
Polyvinyl chloride 9002-86-2 [PARTICULATES, TOTAL]		15	Time Weighted Average (TWA):		KW OEL
Limestone 1317-65-3 [MARBLE (CALCIUM CARBONATE), TOTAL]		10	Time Weighted Average (TWA):		KW OEL
Limestone 1317-65-3 [MARBLE (CALCIUM CARBONATE), INHALED]		5	Time Weighted Average (TWA):		KW OEL
Limestone 1317-65-3 [MARBLE (CALCIUM CARBONATE), INHALED]			Harmful Concentration for risk to health and life:	Unknown	KW OEL
Limestone 1317-65-3 [MARBLE (CALCIUM CARBONATE), TOTAL]			Harmful Concentration for risk to health and life:	Unknown	KW OEL
Calcium carbonate 471-34-1 [MARBLE (CALCIUM CARBONATE), TOTAL]		10	Time Weighted Average (TWA):		KW OEL
Calcium carbonate 471-34-1 [MARBLE (CALCIUM CARBONATE), INHALED]		5	Time Weighted Average (TWA):		KW OEL
Calcium carbonate 471-34-1 [MARBLE (CALCIUM CARBONATE), INHALED]			Harmful Concentration for risk to health and life:	Unknown	KW OEL
Calcium carbonate			Harmful Concentration for risk to health and life:	Unknown	KW OEL

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471-34-1 [MARBLE (CALCIUM CARBONATE), TOTAL]			risk to health and life:		
Calcium carbonate 471-34-1 [PARTICULATES, TOTAL]		15	Time Weighted Average (TWA):		KW OEL
Calcium carbonate 471-34-1 [PARTICULATES, TOTAL]			Harmful Concentration for risk to health and life:	Unknown	KW OEL
Calcium carbonate 471-34-1 [PARTICULATES, INHALED]			Harmful Concentration for risk to health and life:	Unknown	KW OEL
Calcium carbonate 471-34-1 [PARTICULATES, INHALED]		5	Time Weighted Average (TWA):		KW OEL
Distillates (petroleum), solvent-refined heavy paraffinic 64741-88-4 [MINERAL OILS]		5	Time Weighted Average (TWA):		KW OEL
Distillates (petroleum), solvent-refined heavy paraffinic 64741-88-4 [MINERAL OILS]	2.500		Harmful Concentration for risk to health and life:		KW OEL
Distillates (petroleum), solvent-refined heavy paraffinic 64741-88-4 [MINERAL OILS]		10	Short-term Exposure Limit (STEL):		KW OEL
Cadmium 7440-43-9 [CADMIUM (FUME)]		0,005	Time Weighted Average (TWA):		KW OEL
Cadmium 7440-43-9 [CADMIUM (FUME)]		9	Harmful Concentration for risk to health and life:		KW OEL
Cadmium 7440-43-9 [CADMIUM(ELEMENTAL)]		0,02	Time Weighted Average (TWA):		GCC TLV

Occupational Exposure Limits

Valid for
Israel

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Asphalt 8052-42-4 [Asphalt (Bitumen) fume, as benzene-soluble aerosol, inhalable fraction]		0,5	Time Weighted Average (TWA):		IL OEL
Polyvinyl chloride 9002-86-2 [Polyvinyl chloride (PVC), respirable fraction]		1	Time Weighted Average (TWA):		IL OEL
Limestone 1317-65-3 [Particles (insoluble or poorly soluble) not otherwise specified, inhalable particles]		10	Time Weighted Average (TWA):		IL OEL
Limestone 1317-65-3 [Particles (insoluble or poorly soluble) not otherwise specified, respirable particles]		3	Time Weighted Average (TWA):		IL OEL
Calcium carbonate 471-34-1 [Particles (insoluble or poorly soluble) not otherwise specified, respirable particles]		3	Time Weighted Average (TWA):		IL OEL
Calcium carbonate 471-34-1 [Particles (insoluble or poorly soluble) not otherwise specified, inhalable particles]		10	Time Weighted Average (TWA):		IL OEL

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Distillates (petroleum), solvent-refined heavy paraffinic 64741-88-4 [Metal working fluids]		0,25	Action level (AL):		IL OEL
Distillates (petroleum), solvent-refined heavy paraffinic 64741-88-4 [Metal working fluids]		0,5	Time Weighted Average (TWA):		IL OEL
Distillates (petroleum), solvent-refined heavy paraffinic 64741-88-4 [Mineral oil, excluding metal working fluids, pure, highly and severely refined, inhalable fraction]		5	Time Weighted Average (TWA):		IL OEL
Cadmium 7440-43-9 [CADMIUM AND COMPOUNDS (AS CD)]		0,005	Action level (AL):		IL OEL
Cadmium 7440-43-9 [Cadmium and compounds, employees of childbearing age and pregnant or nursing women (as Cd)]		0,005	Time Weighted Average (TWA):		IL OEL
Cadmium 7440-43-9 [Cadmium and compounds (as Cd)]		0,01	Time Weighted Average (TWA):		IL OEL
Barium 7440-39-3 [Barium and soluble compounds, as Ba]		0,5	Time Weighted Average (TWA):		IL OEL

Occupational Exposure Limits

Valid for
Kenya

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Asphalt 8052-42-4 [ASPHALT, PETROLEUM FUMES]		5	Time-weighted average (TWA) OEL-RL:		KE OEL-RL
Asphalt 8052-42-4 [ASPHALT, PETROLEUM FUMES]		10	Short-term OEL-RL:		KE OEL-RL
Polyvinyl chloride 9002-86-2 [POLYVINYL CHLORIDE (PVC) RESPIRABLE DUST]		5	Time-weighted average (TWA) OEL-RL:		KE OEL-RL
Polyvinyl chloride 9002-86-2 [POLYVINYL CHLORIDE (PVC) TOTAL INHALABLE DUST]		10	Time-weighted average (TWA) OEL-RL:		KE OEL-RL
Limestone 1317-65-3 [MARBLE TOTAL INHALABLE DUST LIMESTONE TOTAL INHALABLE DUST CALCIUM CARBONATE TOTAL INHALABLE DUST]		10	Time-weighted average (TWA) OEL-RL:		KE OEL-RL
Limestone 1317-65-3 [MARBLE RESPIRABLE DUST CALCIUM CARBONATE RESPIRABLE DUST LIMESTONE RESPIRABLE DUST]		5	Time-weighted average (TWA) OEL-RL:		KE OEL-RL
Calcium carbonate 471-34-1 [MARBLE RESPIRABLE DUST CALCIUM CARBONATE RESPIRABLE DUST LIMESTONE RESPIRABLE DUST]		5	Time-weighted average (TWA) OEL-RL:		KE OEL-RL

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Calcium carbonate 471-34-1 [MARBLE TOTAL INHALABLE DUST LIMESTONE TOTAL INHALABLE DUST CALCIUM CARBONATE TOTAL INHALABLE DUST]		10	Time-weighted average (TWA) OEL-RL:		KE OEL-RL
Cadmium 7440-43-9 [CADMIUM & CADMIUM COMPOUNDS, EXCEPT CADMIUM OXIDE FUME AND CADMIUM SULPHIDE PIGMENTS (AS CD)]		0,05	Time-weighted average (TWA) OEL-CL:		KE OEL-CL

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						significant amount in biological specimens collected from subjects who have not been occupationally exposed. Such background levels are included in the BEI value.
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8.2. Exposure controls:

Respiratory protection:
Not needed.

Hand protection:
Not needed.

Eye protection:
Not needed.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Roll solid black
Odor	characteristic
Odour threshold	No data available / Not applicable
pH	No data available / Not applicable
Initial boiling point	> 300 °C (> 572 °F)
Flash point	No data available / Not applicable
Decomposition temperature	No data available / Not applicable
Vapour pressure	No data available / Not applicable
Density	No data available / Not applicable
Bulk density	No data available / Not applicable
Viscosity	No data available / Not applicable
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative)	No data available / Not applicable
Solidification temperature	No data available / Not applicable
Melting point	> 110 °C (> 230 °F)
Flammability	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Explosive limits	No data available / Not applicable
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	No data available / Not applicable
Oxidising properties	No data available / Not applicable

9.2. Other information

No data available / Not applicable

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SECTION 10: Stability and reactivity

10.1. Reactivity

Reaction with acids: production of heat and carbon dioxide.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

None if used for intended purpose.

10.5. Incompatible materials

See section reactivity.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

General toxicological information:

To the best of our knowledge no harmful effects are to be expected if the product is handled and used properly.

Acute oral toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Asphalt 8052-42-4	LD50	> 5.000 mg/kg	oral		rat	equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity)
Cadmium 7440-43-9	LD50	2.330 mg/kg	oral		rat	not specified
Barium 7440-39-3	LD50	> 100 - < 300 mg/kg	oral		rat	equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity)
Barium 7440-39-3	Acute toxicity estimate (ATE)	101 mg/kg				Expert judgement

Acute inhalative toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Asphalt 8052-42-4	LC50		dust/mist	4,5 h	rat	OECD Guideline 403 (Acute Inhalation Toxicity)

Acute dermal toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Asphalt 8052-42-4	LD50	> 2.000 mg/kg	dermal		rabbit	equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity)

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Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Asphalt 8052-42-4	not irritating	24 h	rabbit	equivalent or similar to OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Cadmium 7440-43-9	not corrosive	4 h	Human, EpiSkin™ (SM), Reconstructed Human Epidermis (RHE)	OECD Guideline 431 (In Vitro Skin Corrosion: Reconstructed Human Epidermis (RHE) Test Method)
Cadmium 7440-43-9	not irritating	15 min	Human, EpiSkin™ (SM), Reconstructed Human Epidermis (RHE)	OECD Guideline 439 (In Vitro Skin Irritation: Reconstructed Human Epidermis (RHE) Test Method)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Asphalt 8052-42-4	not irritating		rabbit	equivalent or similar to OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Asphalt 8052-42-4	not sensitising	Buehler test	guinea pig	equivalent or similar to OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Asphalt 8052-42-4	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		Ames Test
	negative	in vitro mammalian chromosome aberration test	with and without		equivalent or similar to OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
	positive	mammalian cell gene mutation assay	with and without		equivalent or similar to OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Asphalt 8052-42-4	negative	inhalation		rat	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
	negative	inhalation		mouse	not specified
	negative	inhalation		rat	not specified
Cadmium 7440-43-9	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		equivalent or similar to OECD Guideline 471 (Bacterial Reverse Mutation Assay)
	ambiguous	in vitro mammalian chromosome aberration test	not applicable		Chromosome Aberration Test
Cadmium 7440-43-9	negative	inhalation		mouse	equivalent or similar to OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

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Carcinogenicity:

Hazardous components CAS-No.	Result	Species	Sex	Exposure timeFrequency of treatment	Route of application	Method
Asphalt 8052-42-4	not carcinogenic	mouse	male	104 w daily	dermal	equivalent or similar OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

Reproductive toxicity:

Hazardous substances CAS-No.	Result / Classification	Species	Exposure time	Species	Method
Asphalt 8052-42-4	NOAEL F1 = 1.000 mg/kg	two- generation study oral: gavage		rat	OECD Guideline 416 (Two- Generation Reproduction Toxicity Study)
Cadmium 7440-43-9	NOAEL P = 1 mg/kg NOAEL F1 = 1 mg/kg	one- generation study oral: gavage	9 w	rat	not specified

Repeated dose toxicity

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Asphalt 8052-42-4	NOAEL=>= 2.000 mg/kg	dermal	28 d6 h/d, 3 d/w	rabbit	equivalent or similar to OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
Cadmium 7440-43-9		oral: feed	90 ddaily	rat	not specified
Cadmium 7440-43-9		oral: drinking water	12 mdaily	rat	not specified
Cadmium 7440-43-9	NOAEL=0.025 mg/m3	inhalation	13 w6 h/d, 5 d/w	rat	equivalent or similar to OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)

SECTION 12: Ecological information

General ecological information:

Do not empty into drains, soil or bodies of water.

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12.1. Toxicity

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Asphalt 8052-42-4	LC50	> 1.000 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Asphalt 8052-42-4	EC50	> 1.000 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Asphalt 8052-42-4	EC50	> 1.000 mg/l	Algae	96 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
	NOEC	> 1.000 mg/l	Algae	96 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Asphalt 8052-42-4	NOEC	> 1.000 mg/l	chronic Daphnia	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)
Cadmium 7440-43-9	LC50	0,034 mg/l	Fish	24 d	Salmo salar	other guideline:
	NOEC	0,012 mg/l	Fish	84 d	Oncorhynchus mykiss	other guideline:
Cadmium 7440-43-9	EC50	0,038 mg/l	Daphnia	48 h	Daphnia magna	other guideline:
	EC50	0,018 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Cadmium 7440-43-9	EC10	0,018 mg/l	Algae	72 h	other:	other guideline:
	NOEC	0,0006 mg/l	chronic Daphnia	21 d	Daphnia magna	other guideline:

12.2. Persistence and degradability

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Asphalt 8052-42-4	not readily biodegradable.	aerobic	0 %	OECD 301 A - F

12.3. Bioaccumulative potential / 12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

Hazardous components CAS-No.	PBT/vPvB
Asphalt 8052-42-4	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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Product disposal:

Dispose of waste and residues in accordance with local authority requirements.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

Waste code

080499

SECTION 14: Transport information

14.1. UN number or ID number

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

14.2. UN proper shipping name

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

14.3. Transport hazard class(es)

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

14.4. Packing group

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

14.5. Environmental hazards

ADR	not applicable
RID	not applicable
ADN	not applicable
IMDG	not applicable
IATA	not applicable

14.6. Special precautions for user

ADR	not applicable
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RID	not applicable
ADN	not applicable
IMDG	not applicable
IATA	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 article

No information available:

Ozone Depleting Substance (ODS) (Regulation (EC) No 1005/2009):	Not applicable
Prior Informed Consent (PIC) (Regulation (EU) No 649/2012):	Not applicable
Persistent organic pollutants (Regulation (EU) 2019/1021):	Not applicable

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

- H228 Flammable solid.
- H260 In contact with water releases flammable gases which may ignite spontaneously.
- H301 Toxic if swallowed.
- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- H330 Fatal if inhaled.
- H341 Suspected of causing genetic defects.
- H350 May cause cancer.
- H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H413 May cause long lasting harmful effects to aquatic life.

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