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

### 1.1. Product identifier

Product form : Substance  
 Trade name/designation : PAVING GRADE BITUMEN – EURO BITUMEN (COLD STATE)  
 EC-No. : 265-196-4  
 CAS-No. : 64742-93-4  
 REACH registration No. : 01-2119498270-36-0049  
 Product group : Trade product

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

#### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use  
 Use of the substance/mixture : Coating  
 Rubber products  
 Building and construction work

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

#### Supplier

NIS a.d. Novi Sad  
 Narodnog Fronta 12  
 21000 Novi Sad  
 Serbia  
 T + 381 (0) 21 481 1111  
[REACHNIS@nis.rs](mailto:REACHNIS@nis.rs)

#### Only Representative

BENS Consulting d.o.o.  
 Špruha 19  
 1236 Trzin  
 Slovenija  
 T +386 41 979 800  
[info@bens-consulting.eu](mailto:info@bens-consulting.eu)

### 1.4. Emergency telephone number

Emergency number : + 381 (0) 21 481 1111  
 Only available during office hours.

Country/Area	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	

## SECTION 2: Hazards identification


### 2.1. Classification of the substance or mixture

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

Not classified

### Adverse physicochemical, human health and environmental effects

No additional information available

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## 2.2. Label elements

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

Not applicable.

## 2.3. Other hazards

Other hazards : Results of PBT and vPvB assessment : This substance does not meet the PBT/vPvB criteria of REACH, annex XIII. Product may release Hydrogen Sulphide: A specific assessment of inhalation risks from the presence of hydrogen sulphide in tank headspaces, confined spaces, product residue, tank waste and waste water, and unintentional releases should be made to help determine controls appropriate to local circumstances.

The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Substance name : PAVING GRADE BITUMEN – EURO BITUMEN (COLD STATE)  
CAS-No. : 64742-93-4  
EC-No. : 265-196-4

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Asphalt, oxidized	CAS-No.: 64742-93-4 EC-No.: 265-196-4 REACH-no: 01-2119498270-36-0049	100	Not classified

### 3.2. Mixtures

Not applicable


## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Additional advice : First aider: Pay attention to self-protection!. Concerning personal protective equipment to use, see section 8. Never give anything by mouth to an unconscious person. In case of doubt or persistent symptoms, consult always a physician. Show this safety data sheet to the doctor in attendance.

Inhalation : Remove casualty to fresh air and keep warm and at rest. In case of doubt or persistent symptoms, consult always a physician.

Skin contact : Remove contaminated clothing and shoes. Gently wash with plenty of soap and water. In case of doubt or persistent symptoms, consult always a physician.

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Eyes contact : Rinse immediately carefully and thoroughly with eye-bath or water. In case of doubt or persistent symptoms, consult always a physician.

Ingestion : Rinse mouth thoroughly with water. Get medical advice/attention.

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

Inhalation : Elevated temperatures or mechanical action may form vapours, mists or fumes which may be irritating to the eyes, nose, throat and lungs.

Skin contact : No adverse effects are expected.

Eyes contact : No adverse effects are expected.

Ingestion : The following symptoms may occur: Nausea.

#### **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 : carbon dioxide (CO<sub>2</sub>), powder, alcohol-resistant foam, water spray.

Unsuitable extinguishing media : Strong water jet.

#### **5.2. Special hazards arising from the substance or mixture**

Specific hazards : Not flammable. Product may release Hydrogen Sulphide: A specific assessment of inhalation risks from the presence of hydrogen sulphide in tank headspaces, confined spaces, product residue, tank waste and waste water, and unintentional releases should be made to help determine controls appropriate to local circumstances.


Hazardous decomposition products in case of fire : Carbon oxides (CO, CO<sub>2</sub>). Sulphur oxides. Hydrogen sulfide. sulphuric acid. Nitrogen oxides. Smoke.

#### **5.3. Advice for firefighters**

Firefighting instructions : Evacuate area. Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding. Prevent fire fighting water from entering the environment.

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

Other information : Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation.

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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

For non-emergency personnel : Evacuate unnecessary personnel. Keep upwind. Provide adequate ventilation. Do not breathe dust. Avoid contact with skin, eyes and clothing. Wear recommended personal protective equipment. Concerning personal protective equipment to use, see section 8. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure equipment is adequately earthed. Product may release Hydrogen Sulphide: A specific assessment of inhalation risks from the presence of hydrogen sulphide in tank headspaces, confined spaces, product residue, tank waste and waste water, and unintentional releases should be made to help determine controls appropriate to local circumstances.

#### 6.1.2. For emergency responders

For emergency responders : Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Stop leak if safe to do so. Dam up the solid spill. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Large spills: scoop solid spill into closing containers. This material and its container must be disposed of in a safe way, and as per local legislation.

### 6.4. Reference to other sections


Concerning personal protective equipment to use, see section 8 . Concerning disposal elimination after cleaning, see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Provide adequate ventilation. Do not breathe dust. Avoid contact with skin, eyes and clothing. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Take any precaution to avoid mixing with Incompatible materials, Refer to Section 10 on Incompatible Materials. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Avoid release to the environment.

Hygiene measures : Keep good industrial hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

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## 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep container tightly closed. Store in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10. Product may release Hydrogen Sulphide: A specific assessment of inhalation risks from the presence of hydrogen sulphide in tank headspaces, confined spaces, product residue, tank waste and waste water, and unintentional releases should be made to help determine controls appropriate to local circumstances.
Incompatible materials	: Strong acids. Oxidising agents. Bases. Nitrates.
Heat and ignition sources	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Special rules on packaging	: Containers which are opened should be properly resealed and kept upright to prevent leakage.
Packaging materials	: Keep only in the original container. Suitable material: Stainless steel, Carbon steel, Steel, metal containers.

### Germany

German storage class (LGK) : LGK 13 - Non-combustible solids

### Switzerland

Storage class (LK) : NG - Non-hazardous

## 7.3. Specific end use(s)

For further information see section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures


Monitoring methods	
Monitoring methods	Personal air monitoring. Room air monitoring.

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

Asphalt, oxidized (64742-93-4)	
DNEL/DMEL (workers)	
Long-term - local effects, inhalation	2,88 mg/m <sup>3</sup>
DNEL/DMEL (general population)	
Long-term - local effects, inhalation	0,61 mg/m <sup>3</sup>
PNEC (additional information)	
Additional information	No data available UVCB

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Additional information : Occupational Exposure Limits :. No data available. Recommended monitoring procedures :. Personal air monitoring. Room air monitoring

#### 8.1.5. Control banding

No additional information available


### 8.2. Exposure controls

Engineering measure(s)	: Provide adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Ensure equipment is adequately earthed. Organisational measures to prevent/limit releases, dispersion and exposure. See Section 7 for information on safe handling.
Personal protective equipment	: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Hand protection	: Wear chemically resistant gloves (tested to EN374) . Suitable material: Not determined. Breakthrough time : refer to the recommendations of the supplier. Thickness of the glove material: Not determined. The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves. (EN407)
Eye protection	: Use suitable eye protection (EN166): Safety glasses
Body protection	: Use personal protective equipment as required. Wear suitable protective clothing
Respiratory protection	: In the case of vapour formation use a respirator with an approved filter. Self-contained open-circuit compressed air breathing apparatus (EN 137)
Thermal hazard protection	: Not required for normal conditions of use. Use dedicated equipment.
Environmental exposure controls	: Do not allow to enter into surface water or drains. Comply with applicable Community environmental protection legislation. Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: dark brown -. Black.
Appearance	: Solid.
Odour	: No data available.
Odour threshold	: No data available
Melting / freezing point	: 30 – 128 °C (ASTM D36)
Freezing point	: Not available
Initial boiling point and boiling range	: > 320 °C
Flammability	: Not flammable
Explosive properties	: Not applicable. The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.

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Oxidising properties	: Not applicable. The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties.
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: > 180 °C (ASTM D92)
Auto-ignition temperature	: > 400 °C
Decomposition temperature	: No data available
pH	: Not applicable
pH solution	: Not available
Kinematic viscosity	: 1000 – 16000 mm <sup>2</sup> /s (60°C)(EN12595) ; 80 – 3210 mm <sup>2</sup> /s (135°C)(EN12595)
Dynamic viscosity	: 1189 – 8650 mPa·s (100°C)(EN13302)
Solubility	: Water: Substance is complex UVCB.
Partition coefficient n-octanol/water (Log Kow)	: Substance is complex UVCB.
Vapour pressure	: < 0,1 kPa (20°C)
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: 0,925 – 1,07 (15 °C)
Vapour density	: No data available
Particle size	: Not available

## **9.2. Other information**

### **9.2.1. Information with regard to physical hazard classes**

No additional information available

### **9.2.2. Other safety characteristics**

No additional information available

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

None under normal conditions. Reference to other sections: 10.4 & 10.5.

### **10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

### **10.3. Possibility of hazardous reactions**


No dangerous reactions known under normal conditions of use.

### **10.4. Conditions to avoid**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. See Section 7 for information on safe handling.

### **10.5. Incompatible materials**

Incompatible with strong acids and oxidizing agents. Bases. Nitrates. See Section 7 for information on safe handling.

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#### 10.6. Hazardous decomposition products

Carbon oxides (CO, CO<sub>2</sub>). Sulphur oxides. Hydrogen sulfide. Sulphuric acid. Nitrogen oxides. Smoke. Reference to other sections 5.2.

### SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

Asphalt, oxidized (64742-93-4)	
LD50/oral/rat	> 5000 mg/kg
LD50/dermal/rabbit	> 2000 mg/kg
LC50/inhalation/4h/rat	94,4 mg/m <sup>3</sup>

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: Not applicable
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Asphalt, oxidized (64742-93-4)	
pH	Not applicable

Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: Not applicable
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Asphalt, oxidized (64742-93-4)	
pH	Not applicable

Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)

Asphalt, oxidized (64742-93-4)	
IARC group	2A - Probably carcinogenic to humans

Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: NOAEC, Inhalation, Rat: 300 mg/m <sup>3</sup>
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)



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#### Asphalt, oxidized (64742-93-4)

NOAEL, subacute, Dermal, rabbit, local	200 mg/kg bw/day
NOAEL, subacute, Dermal, rabbit, systemic	2000 mg/kg bw/day
NOAEC, subchronic, Inhalation, Rat, systemic	103.9 mg/m <sup>3</sup>
NOAEC, subchronic, Inhalation, Rat, local	10.4 mg/m <sup>3</sup>

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

#### PAVING GRADE BITUMEN – EURO BITUMEN (COLD STATE) (64742-93-4)

Kinematic viscosity	1000 – 16000 mm <sup>2</sup> /s (60°C)(EN12595) ; 80 – 3210 mm <sup>2</sup> /s (135°C)(EN12595)
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#### Asphalt, oxidized (64742-93-4)

Kinematic viscosity	7 mm <sup>2</sup> /s (40°C)
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### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

#### 11.2.2. Other information

Other information : Symptoms related to the physical, chemical and toxicological characteristics, For further information see section 4

## SECTION 12: Ecological information

### 12.1. Toxicity


Environmental properties : Ecological injuries are not known or expected under normal use.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

#### Asphalt, oxidized (64742-93-4)

EC50 72h - Algae [1]	56 mg/l (Species: Pseudokirchneriella subcapitata)
Acute (short-term) fish toxicity, LL50 (96h)	> 1000 mg/l QSAR
Chronic (long-term) fish toxicity, LL50 (28d)	> 1000 mg/l QSAR
Chronic (long-term) fish toxicity, NOEL	≥ 1000 mg/l QSAR
Acute (short-term) daphnia toxicity, LL50 (48h)	> 1000 mg/l QSAR
Chronic (long-term) daphnia toxicity, NOEL (21d)	≥ 1000 mg/l QSAR

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#### Asphalt, oxidized (64742-93-4)

Acute (short-term) algae toxicity, EL50 (72h) > 1000 mg/l QSAR (Inhibition of growth rate.)

Toxicity to other organisms (Tetrahymena pyriformis), LL50 (40h) > 1000 mg/l QSAR

Toxicity to other organisms (Tetrahymena Pyriformis), NOEL (40h) > 1000 mg/l Inhibition of growth rate.

#### 12.2. Persistence and degradability

##### PAVING GRADE BITUMEN – EURO BITUMEN (COLD STATE) (64742-93-4)

Persistence and degradability No additional information available.

#### 12.3. Bioaccumulative potential

##### PAVING GRADE BITUMEN – EURO BITUMEN (COLD STATE) (64742-93-4)

Partition coefficient n-octanol/water (Log Kow) Substance is complex UVCB.

Bioaccumulative potential No additional information available.

#### 12.4. Mobility in soil

##### PAVING GRADE BITUMEN – EURO BITUMEN (COLD STATE) (64742-93-4)

Mobility in soil No data available

Ecology - soil No data available.

#### Asphalt, oxidized (64742-93-4)

Surface tension Not applicable

#### 12.5. Results of PBT and vPvB assessment

##### PAVING GRADE BITUMEN – EURO BITUMEN (COLD STATE) (64742-93-4)


Results of PBT assessment This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

#### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

#### 12.7. Other adverse effects

Other adverse effects : No data available.

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Avoid release to the environment. Dispose of empty containers and wastes safely. See Section 7 for information on safe handling. Refer to manufacturer/supplier for information on recovery/recycling. Recycling is preferred to disposal or incineration. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. Handle contaminated packages in the same way as the substance itself. Dispose of contaminated materials in accordance with current regulations.

European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC) : Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities  
The following Waste Codes are only suggestions:  
05 01 17 - bitumen

## SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
Not applicable				

### 14.6. Special precautions for user

Special precautions for user : No data available

#### - Overland transport

No data available

#### - Transport by sea

No data available

#### - Air transport


No data available

#### - Inland waterway transport

No data available

#### - Rail transport

No data available

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#### **14.7. Maritime transport in bulk according to IMO instruments**

Code: IBC : 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**

###### **REACH Annex XVII (Restriction List)**

Not listed on REACH Annex XVII

###### **REACH Annex XIV (Authorisation List)**

Not listed on REACH Annex XIV (Authorisation List)

###### **REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

###### **PIC Regulation (Prior Informed Consent)**

Not listed on the PIC list (Regulation EU 649/2012)

###### **POP Regulation (Persistent Organic Pollutants)**

Not listed on the POP list (Regulation EU 2019/1021)

###### **Ozone Regulation (2024/590)**

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

###### **Council Regulation (EC) for the control of dual-use items**

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

###### **Explosives Precursors Regulation (EU 2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

###### **Drug Precursors Regulation (EC 273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

###### **Detergent Regulation (648/2004/EC): Labelling of contents**

Labelling for contents according to : Not applicable  
regulation (EC) No. 648/2004

##### **15.1.2. National regulations**

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Listed on the Canadian DSL (Domestic Substances List)


Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

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Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### France

Installations classées			
No ICPE	Désignation de la rubrique	Code Régime	Rayon
na	Not Applicable	na	na

#### Germany

Water hazard class (WGK) : WGK nwg, Non-hazardous to water (Not classified according to Regulation Governing Systems for Handling Substances Hazardous to Waters (AwSV); ID No. 326).

Major Accidents Ordinance (12. BImSchV) : Is not subject to the Major Accidents Ordinance (12. BImSchV)

#### Netherlands

Waterbezwaarlijkheid : B (4) - Weinig schadelijk voor in het water levende organismen

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : The substance is not listed

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : The substance is not listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling : The substance is not listed

#### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has been carried out


### SECTION 16: Other information

Indication of changes:

1.3	Details of the supplier of the safety data sheet	Modified	
16	Other information	Added	

Abbreviations and acronyms:

	DNEL = Derived No Effect Level
	Derived Minimal Effect level
	Predicted No Effect Concentration
	Occupational Exposure Limits - Short Term Exposure Limits (STELs)
	time weighted average
	Median lethal concentration
	Median lethal dose
	Median lethal level
	EC50 = Median Effective Concentration
	EL50 = Median effective level
	ErC50 = EC50 in terms of reduction of growth rate
	ErL50 = EL50 in terms of reduction of growth rate
	no-observed-effect level
	NOEC = No observed effect concentration
	NOELR = No observed effect loading rate
	NOAEC = No observed adverse effect concentration
	NOAEL = No observed adverse effect level

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	European waste catalogue
	Not applicable
	N.O.S. = Not Otherwise Specified
	Volatile organic compounds
	mg/kg bodyweight
	Quantitative structure-activity relationship (QSAR)
	ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods Code LEL = Lower Explosive Limit/Lower Explosion Limit UEL = Upper Explosion Limit/Upper Explosive Limit REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
	WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)
	ABM = Algemene beoordelingsmethodiek
	BTT = Breakthrough time (maximum wearing time)
	NOEL: no-observed-effect level
	STOT = Specific Target Organ Toxicity

Sources of key data used to compile the datasheet : CSR = Chemical Safety Report. ECHA (European Chemicals Agency). LOLI Database.

Training advice : Training staff on good practice.

Other information : Hazard classification and labeling of petroleum substances in the European Economic Area, Concawe – 2025 (<http://www.concawe.eu>).

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

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

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

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