

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SMOKE OIL BLUE MAX

Revision date: 29.02.2024

Page 1 of 12

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

1.1. Product identifier

Smoke Oil Blue Max

REACH Registration Number: 01-2119487078-27-
CAS No: 8042-47-5
EC No: 232-455-8

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

Use of the substance/mixture

Industrial uses:

Manufacture of Substances, Use of intermediate, Formulation & (re)packing of substances and mixtures, Uses in Coatings, Metal working fluids, Use as release agents or binders; Rubber production and processing, Use in polymer processing, Lubricants, Use in Laboratories, Water treatment chemicals, Use as a functional fluids

Professional uses:

Uses in Coatings, Use in Cleaning Agents, Metal working fluids, Use as release agents or binders, Use in agrochemicals, Lubricants (Low environmental release), Lubricants (High environmental release), Use in Laboratories, Water treatment chemicals, Explosives manufacture & use, Use as a functional fluids

Consumer uses:

Use in Cleaning Agents, Use as a fuel, Lubricants (Low environmental release), Uses in cosmetics/personal care products, perfumes and fragrances

Uses advised against

none

1.3. Details of the supplier of the safety data sheet

Company name: PowerBox-Systems GmbH
Street: Ludwig-Auer-Straße 5
Place: 86609 Donauwörth, Germany
Telephone: +49(0)906 99999 200
Responsible Department: Richard Deutsch, Managing Director, sales@powerbox-systems.com

1.4. Emergency telephone number:

+49 551 19240, GIZ-Nord, Göttingen, Deutschland

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Hazard categories:

Aspiration hazard: Asp. Tox. 1

Hazard Statements:

May be fatal if swallowed and enters airways.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

White mineral oil

Signal word: Danger

Pictograms:



Safety Data Sheet

according to Regulation (EC) No 1907/2006

SMOKE OIL BLUE MAX

Revision date: 29.02.2024

Page 2 of 12

Hazard statements

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P331 Do NOT induce vomiting.
 P501 Dispose of waste according to applicable legislation.

2.3. Other hazards

Do not allow uncontrolled discharge of product into the environment.
 This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
 This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria. The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.
 This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria. The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.
 Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

SECTION 3: Composition/information on ingredients

3.1. Substances

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
8042-47-5	White mineral oil			99 - < 100 %
	232-455-8		01-2119487078-27-	
	Asp. Tox. 1; H304			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
8042-47-5	232-455-8	White mineral oil	99 - < 100 %
	inhalation: LC50 = >5 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg		

Further Information

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down.
 Spillages make surfaces slippery.

After inhalation

In case of symptoms arising from inhalation of product fumes, mists or vapour: Remove casualty to a quiet and well ventilated place if safe to do so.
 Obtain medical assistance if breathing remains difficult.
 If casualty is unconscious and not breathing: Ensure that there is no obstruction to breathing and give artificial respiration by trained personnel. If necessary, give external cardiac massage and obtain medical advice.
 If casualty is unconscious and breathing, place in the recovery position. Administer oxygen if necessary.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SMOKE OIL BLUE MAX

Revision date: 29.02.2024

Page 3 of 12

Inhalation is unlikely because of the low vapour pressure of the substance at ambient temperature.

Symptoms: irritation of the respiratory tract due to excess fume, mists or vapour exposure.

After contact with skin

Remove contaminated clothing, contaminated footwear and dispose of safely.

Seek medical attention if skin irritation, swelling or redness develops and persists.

When using high-pressure equipment, injection of product can occur. If high-pressure injuries occur, immediately seek professional medical attention. Do not wait for symptoms to develop.

For minor thermal burns, cool the burn. Hold the burned area under cold running water for at least five minutes, or until the pain subsides. Body hypothermia must be avoided.

Seek medical attention in all cases of serious burns.

Wash affected area with soap and water.

May cause burn in case of contact with product at high temperature.

Symptoms: dry skin, irritation in case of repeated or prolonged exposure.

After contact with eyes

If hot product is splashed into the eye, it should be cooled down immediately to dissipate heat, under cold running water for at least 5 minutes. Immediately obtain specialist medical assessment and treatment for the casualty.

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

Symptoms: slight irritation. May cause burn in case of contact with product at high temperature.

After ingestion

Do not give anything by mouth to an unconscious person.

If vomiting occurs, the head should be kept low so that the vomit does not enter the lungs (aspiration). Once vomiting ceases, place the person in the recovery position with the legs slightly raised.

Always assume that aspiration has occurred. Seek professional medical attention or send the casualty to a hospital. Do not wait for symptoms to develop.

Symptoms: few or no symptoms expected. If any, nausea and diarrhoea might occur.

Do NOT induce vomiting.

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

Individuals with pre-existing lung disorders may have increased susceptibility of the effects of exposure.

Observe risk of aspiration if vomiting occurs. IF SWALLOWED: Aspiration hazard.

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

Treatment should be in general symptomatic to relieve any effects.

Immediately begin artificial respiration if breathing has ceased. Provision of oxygen may help. Obtain medical advice for further treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam (trained personnel only). Water fog (trained personnel only). Dry chemical powder. Carbon dioxide.

Other inert gases (subject to regulations). Sand or earth.

Unsuitable extinguishing media

Do not use direct water jets on the burning product; they could cause splattering and spread the fire.

Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

5.2. Special hazards arising from the substance or mixture

Incomplete combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates, gases, including carbon monoxide, unidentified organic and inorganic compounds.

5.3. Advice for firefighters

Special protective equipment for firefighters

In case of a large fire or in confined or poorly ventilated spaces, wear full fire resistant protective clothing and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SMOKE OIL BLUE MAX

Revision date: 29.02.2024

Page 4 of 12

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

- Keep away from sources of ignition - No smoking.
- Special danger of slipping by leaking/spilling product.
- When inside buildings or confined spaces, ensure adequate ventilation.
- Keep non-involved personnel away from the area of spillage. Alert emergency personnel.
- If required, notify relevant authorities according to all applicable regulations.

For non-emergency personnel

- Work helmet. Antistatic non-skid safety shoes or boots.
- Small spillages: Normal antistatic working clothes are usually adequate. Large spillages: full body suit of chemically resistant and antistatic material.
- Work gloves providing adequate chemical resistance, specifically to aromatic hydrocarbons. Gloves made of PVA are not water-resistant, and are not suitable for emergency use.
- Goggles and /or face shield, if splashes or contact with eyes is possible or anticipated.
- If the situation cannot be completely assessed, or if an oxygen deficiency is possible, only SCBA's should be used.
- Respiratory protection will be necessary only in special cases (e.g. formation of mists).
- Respiratory protection: A half or full-face respirator with combined dust/organic vapour filter(s), or a Self-Contained Breathing Apparatus (SCBA) can be used according to the extent of spill and predictable amount of exposure.

For emergency responders

- Wear personal protection equipment (refer to section 8).

6.2. Environmental precautions

- Prevent product from entering sewers, rivers or other bodies of water.

6.3. Methods and material for containment and cleaning up

For containment

- Stop or contain leak at the source, if this possible without risk. Avoid direct contact with released material. Stay upwind.

For cleaning up

- Collect free product with suitable means. Transfer collected product and other contaminated materials to suitable containers for recovery or safe disposal.
- Except in case of small spillages: The feasibility of any actions should always be assessed and advised, if possible, by a trained, competent person in charge of managing the emergency.
- The use of dispersants should be advised by an expert, and, if required, approved by local authorities.
- In case of small spillages in closed waters (i.e. ports), contain product with floating barriers or other equipment.
- Collect spilled product by absorbing with specific floating absorbents.
- If possible, large spillages in open waters should be contained with floating barriers or other mechanical means.
- If this not possible, control the spreading of the spillage, and collect the product by skimming or other suitable mechanical means.
- In case of soil contamination, remove contaminated soil and treat in accordance with local regulations.

Other information

- Recommended measures are based on the most likely spillage scenarios for this material.
- Local conditions (wind, air temperature, wave/current direction and speed) may significantly influence the choice of appropriate actions.
- For this reason, local experts should be consulted when necessary. Local regulations may also prescribe or limit actions to be taken.

6.4. Reference to other sections

- No information available.

SMOKE OIL BLUE MAX

Revision date: 29.02.2024

Page 5 of 12

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

- Obtain special instructions before use.
- Avoid splash filling of bulk volumes when handling hot liquid product.
- Special danger of slipping by leaking/spilling product.
- Use and store only outdoors or in a well-ventilated area.
- Avoid contact with the product.
- Take precautionary measures against static electricity.
- Use adequate personal protective equipment as required.

Advice on protection against fire and explosion

- Keep away from sources of ignition - No smoking.

Advice on general occupational hygiene

- Wash hands and face before breaks and after work and take a shower if necessary.
- Apply skin care products after work.
- Do not put any product-impregnated cleaning rags into your trouser pockets.
- When using do not eat, drink, smoke, sniff.
- Keep away from food and beverages.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

- Storage area layout, tank design, equipment and operating procedures must comply with the relevant European, national or local legislation. Storage installations should be designed with adequate bunds so as to prevent ground and water pollution in case of leaks or spills.
- Cleaning, inspection and maintenance of internal structure of storage tanks must be done only by properly equipped and qualified personnel as defined by national, local or company regulations.
- Recommended materials for containers, or container linings use mild steel, stainless steel.
- Some synthetic materials may be unsuitable for containers or container linings depending on the material specification and intended use. Compatibility should be checked with the manufacturer. Keep only in the original container. Keep containers tightly closed and properly labelled.

Hints on joint storage

- Store separately from oxidising agents.

Further information on storage conditions

- Empty containers may contain combustible product residues. Do not weld, solder, drill, cut or incinerate empty containers, unless they have been properly cleaned.

Fire class: B

7.3. Specific end use(s)

- Ensure that proper housekeeping measures are in place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SMOKE OIL BLUE MAX

Revision date: 29.02.2024

Page 6 of 12

DNEL/DMEL values

CAS No	Name of agent		
DNEL type	Exposure route	Effect	Value
8042-47-5	White mineral oil		
Worker DNEL, long-term	dermal	systemic	217,05 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	164,56 mg/m ³
Consumer DNEL, long-term	inhalation	systemic	34,78 mg/m ³
Consumer DNEL, long-term	dermal	systemic	93,02 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	25 mg/kg bw/day

Additional advice on limit values

air limit values:

Possibility of exposure to Aerosol

Limit value = 5 mg/m³ - Source: ACGIH

8.2. Exposure controls

Appropriate engineering controls

Do not enter empty storage tanks until measurements of available oxygen have been carried out. Storage and handling temperatures should be kept as low as feasible to minimize fume production.

Individual protection measures, such as personal protective equipment

Eye/face protection

If splashing is likely, full head and face protection (protective shield and/or safety goggles) should be used.

Hand protection

Heat resistant gloves with long cuffs, or gauntlets.

Gloves must be periodically inspected and changed in case of wear, perforations or contaminations.

Skin protection

Wear protective clothing for operations with hot material: heat resistant coveralls (with trousers legs over boots and sleeves over cuffs of gloves), heat resistant heavy duty antiskid boots (e. g. leather).

Coveralls should be changed at the end of the work shift and cleaned as necessary to avoid transfer of product to clothes or underwear.

For loading/unloading operations: wear safety helmet, if necessary integrated full face visor. In case of hot/molten product: with integrated full face visor.

Respiratory protection

Respiratory equipment in case of nebulosity or aerosol: Use a mask with a filter type A2, A2/P2 or ABEK. If necessary, approved respiratory protection equipment shall be used when handling hot product in confined spaces: enclosed face mask with cartridge/filter type "A" or self-contained breathing apparatus (SCBA). If exposure levels cannot be determined or estimated with adequate confidence, or an oxygen deficiency is possible, only SCBA's should be used.

Thermal hazards

Wear protective clothing for operations with hot material: heat resistant coveralls (with trousers legs over boots and sleeves over cuffs of gloves), heat resistant heavy duty antiskid boots (e. g. leather).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	colourless
Odour:	odourless

Test method

Melting point/freezing point:	No information available.
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Safety Data Sheet

according to Regulation (EC) No 1907/2006

SMOKE OIL BLUE MAX

Revision date: 29.02.2024

Page 7 of 12

Boiling point or initial boiling point and boiling range:	No information available.
Flammability:	not applicable
Lower explosion limits:	No information available.
Upper explosion limits:	No information available.
Flash point:	>130 °C DIN ISO 2592
Auto-ignition temperature:	No information available.
Decomposition temperature:	>350 °C
pH-Value:	not determined
Viscosity / kinematic: (at 40 °C)	7,1 mm ² /s DIN EN ISO 3104
Water solubility:	practically insoluble
Solubility in other solvents	
not determined	
Partition coefficient n-octanol/water:	> 4 Log KOW
Vapour pressure:	<0,1 hPa calculated.
(at 20 °C)	
Vapour pressure:	No information available.
Density (at 15 °C):	0,84 g/cm ³ DIN 51757
Bulk density:	not relevant
Relative vapour density:	No information available.
Particle characteristics:	not applicable

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

The product is not: Explosive.

Sustaining combustion:

No data available

Self-ignition temperature

Solid:

No information available.

Gas:

No information available.

Oxidizing properties

No information available.

Other safety characteristics

Evaporation rate:

No information available.

Solvent separation test:

No information available.

Solvent content:

No information available.

Solid content:

No information available.

Sublimation point:

No information available.

Softening point:

No information available.

Pour point:

<-6 °C ASTM 5985

Viscosity / dynamic:

No information available.

Flow time:

No information available.

Further Information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SMOKE OIL BLUE MAX

Revision date: 29.02.2024

Page 8 of 12

No information available.

10.4. Conditions to avoid

Excessive heating above the maximum recommended handling and storage temperature may cause degradation of the substance and evolution of irritant vapours and fumes.

10.5. Incompatible materials

Materials to avoid:

Contact with strong oxidizers (peroxides, chromates, etc.) may cause a fire hazard.

A mixture with nitrates or other strong oxidisers (e.g. chlorates, perchlorates, liquid oxygen) may create an explosive mass. Sensitivity to heat, friction or shock cannot be assessed in advance.

10.6. Hazardous decomposition products

Combustion (incomplete) will likely generate oxides of carbon, sulphur and nitrogen, as well as additional undetermined organic compounds of the same elements. None under normal conditions at ambient temperatures.

Further information

Decomposition takes place from temperatures above: > 350 °C

This substance is stable under all ordinary circumstances at ambient temperatures, and if released into the environment.

SECTION 11: Toxicological information

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

Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
8042-47-5	White mineral oil				
	oral	LD50 >5000 mg/kg	Ratte		
	dermal	LD50 >2000 mg/kg	Kaninchen		
	inhalation (4 h) dust/mist	LC50 >5 mg/l	Ratte		

Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Skin corrosion/irritation: non-irritant. (Rabbit)

Serious eye damage/irritation: non-irritant. (Rabbit)

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction): none

Literature reference: ECHA Dossier

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SMOKE OIL BLUE MAX

Revision date: 29.02.2024

Page 9 of 12

Based on available data, the classification criteria are not met.

Subacute dermal toxicity:

Method: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)

Exposure time: 28d

Species: Rabbit

Results: 1000 mg/kg

Literature reference: ECHA Dossier

Aspiration hazard

May be fatal if swallowed and enters airways.

Information on likely routes of exposure

Ingestion / Inhalation / Skin contact / Eye contact

Specific effects in experiment on an animal

No information available.

Additional information on tests

Substance related information: Health hazard properties, Special hazards arising from the substance or mixture, Classification according to Regulation (EC) No 1272/2008 [CLP]

Practical experience

No information available.

11.2. Information on other hazards

Endocrine disrupting properties

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
8042-47-5	White mineral oil					
	Acute fish toxicity	LC50 1000 mg/l	LC50 >=	96 h	Leuciscus idus	ECHA Dossier
	Acute algae toxicity	ErC50 >= 100 mg/l	NOEL	72 h	Pseudokirchneriella subcapitata	ECHA Dossier
	Acute crustacea toxicity	EC50 100 mg/l	LL50 >=	48 h	Daphnia magna	ECHA Dossier
	Fish toxicity	NOEC >= 1000 mg/l	NOEL	28 d	QSAR	ECHA Dossier
	Crustacea toxicity	NOEC >= 1000 mg/l	NOEL	21 d	Daphnia magna	ECHA Dossier

12.2. Persistence and degradability

Not readily biodegradable (according to OECD criteria)

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
8042-47-5	White mineral oil	>4

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SMOKE OIL BLUE MAX

Revision date: 29.02.2024

Page 10 of 12

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.

12.7. Other adverse effects

General information:

Do not allow uncontrolled discharge of product into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Surplus (unused) or off-spec substance can be recovered or re-conditioned (according to specific characteristics and composition), or can be disposed of as waste.

Disposal can be carried out directly, or by delivery to qualified waste handlers. Contain and dispose of waste according to local regulations.

This substance can be burned or incinerated, subject to national/local authorizations, relevant contamination limits, safety regulations and air quality legislation.

These codes can be given only as a suggestion, according to the original composition of the product, and its intended (foreseeable) use(s).

The final user has the responsibility for the attribution of the most suitable code, according to the actual use(s) of the material, contaminations or alterations.

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Disposal of emptied containers: Contact the original supplier or deliver to a qualified disposal organization. Do not cut, weld, bore, burn or incinerate emptied containers, unless they have been cleaned and declared safe. Empty containers may contain combustible product residues. Do not re-use emptied, unclean containers for other purposes.

General information:

In the absence of relevant alterations to the material or presence of contaminants, disposal of this substance as surplus (unused) or off-spec material, or waste resulting from the foreseeable use(s), does not present a specific hazard, or require special handling measures other than those indicated in Sect 7.

SECTION 14: Transport information

Land transport (ADR/RID)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SMOKE OIL BLUE MAX

Revision date: 29.02.2024

Page 11 of 12

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

not applicable

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3

Directive 2010/75/EU on industrial emissions: not determined

Directive 2004/42/EC on VOC in paints and varnishes: not determined

Information according to Directive 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

For this substance a chemical safety assessment has been carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,2,3,4,6,7,8,9,11,12,15.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SMOKE OIL BLUE MAX

Revision date: 29.02.2024

Page 12 of 12

Abbreviations and acronyms

Asp. Tox: Aspiration hazard

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)

H304 May be fatal if swallowed and enters airways.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.