

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Issue date: 11/01/2018 Revision date: 20/03/2024 Supersedes version of: 12/03/2024 Version: 5.1

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

1.1. Product identifier

Product code	: B2330, B2331, B2332, B2333, B2334, B2358, B2359, B2360, B2361, B2362, B2363,
	B2364, B2365, B2366, B2367, B2368, B2369, B2370, B2371, B2372, B2373, B2374,
	B2375, B2376, B2377
Product group	: End product
1.2. Relevant identified us	es of the substance or mixture and uses advised against

Main use category	: Professional use
Use of the substance/mixture	: Laboratory chemicals
Function or use category	: Laboratory chemicals

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Elemental Microanalysis Ltd	
1 Hameldown Road	
Okehampton – Devon EX20 1UB	
GB United Kingdom	
T +44 1837 54446	
enquiries@microanalysis.co.uk - https://www.elementalmicroanalysis.com/	

1.4. Emergency telephone number

Emergency number

: +44 (0) 7990 767375

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable liquids, Category 3	H226
Acute toxicity (inhalation:dust,mist) Category 4	H332
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Germ cell mutagenicity, Category 1B	H340
Carcinogenicity, Category 1B	H350
Specific target organ toxicity – Single exposure, Category 3, Respiratory	H335
tract irritation	
Aspiration hazard, Category 1	H304
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411
Full text of H- and EUH-statements: see section 16	

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. May cause cancer. May cause genetic defects. Harmful if inhaled. May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

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2.2. Label elements

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

Hazard pictograms (CLP)	
	GHS02 GHS07 GHS08 GHS09
Signal word (CLP)	: Danger
Contains	: LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; CUMENE; XYLENE; 1,2,4-TRIMETHYLBENZENE
Hazard statements (CLP)	 H226 - Flammable liquid and vapour. H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H319 - Causes serious eye irritation. H332 - Harmful if inhaled. H335 - May cause respiratory irritation. H340 - May cause genetic defects. H350 - May cause cancer. H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	 P201 - Obtain special instructions before use. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P280 - Wear eye protection, protective clothing, protective gloves. P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor. Do NOT induce vomiting. P308+P313 - IF exposed or concerned: Get medical advice/attention. P391 - Collect spillage.

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are 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 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.	CAS-No.: 64742-95-6 EC-No.: 265-199-0 EC Index-No.: 649-356-00-4	91	Carc. 1B, H350 Muta. 1B, H340 Asp. Tox. 1, H304
1,2,4-TRIMETHYLBENZENE substance with national workplace exposure limit(s) (AT, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GI, GR, HR, HU, IE, IT, LU, LV, MT, NL, PL, RO, SE, SI, SK, IS, NO, MK, RS, TR); substance with a Community workplace exposure limit	CAS-No.: 95-63-6 EC-No.: 202-436-9 EC Index-No.: 601-043-00-3	32	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Eye Irrit. 2, H319 STOT SE 3, H335 Skin Irrit. 2, H315 Aquatic Chronic 2, H411

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
XYLENE substance with national workplace exposure limit(s) (AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GI, GR, HR, HU, IE, IT, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, IS, NO, MK, RS, CH, TR); substance with a Community workplace exposure limit	CAS-No.: 1330-20-7 EC-No.: 215-535-7 EC Index-No.: 601-022-00-9	3	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight) Skin Irrit. 2, H315
CUMENE substance with national workplace exposure limit(s) (AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GI, GR, HR, HU, IE, LT, LU, LV, MT, NL, PL, PT, RO, SE, SI, SK, IS, NO, MK, RS, CH, TR); substance with a Community workplace exposure limit	CAS-No.: 98-82-8 EC-No.: 202-704-5 EC Index-No.: 601-024-00-X	2	Flam. Liq. 3, H226 Carc. 1B, H350 Asp. Tox. 1, H304 STOT SE 3, H335 Aquatic Chronic 2, H411

SECTION 4: First aid measur	es
4.1. Description of first aid measure	S
First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Do not induce vomiting. Call a physician immediately.
4.2. Most important symptoms and	effects, both acute and delayed
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: Risk of lung oedema.

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

Treat symptomatically.

SECTION 5: Firefighting measures	5	
5.1. Extinguishing media		
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.	
5.2. Special hazards arising from the substance or mixture		
Fire hazard Hazardous decomposition products in case of fire	Flammable liquid and vapour.Toxic fumes may be released.	
5.3. Advice for firefighters		
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.	

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SECTION 6: Accidental re	lease measures
6.1. Personal precautions, prote	ective equipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Avoid breathing dust/fume/gas/mist/vapours/spray.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Avoid release to the environment. Notify	y authorities if product enters sewers or public waters.
6.3. Methods and material for c	ontainment and cleaning up
For containment	: Collect spillage.
Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or

Dispose of materials or solid residues at an authorized site.

public waters.

:

Other information

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and s	torage	
7.1. Precautions for safe handling		
Precautions for safe handling	: Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.	
Hygiene measures	: Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.	
7.2. Conditions for safe storage, in	cluding any incompatibilities	
Technical measures Storage conditions	Ground/bond container and receiving equipment.Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.	

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

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CUMENE (98-82-8)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	2-Phenylpropane (Cumene)
IOEL TWA	50 mg/m ³
IOEL TWA [ppm]	10 ppm
IOEL STEL	250 mg/m ³
IOEL STEL [ppm]	50 ppm
Remark	Skin. During exposure monitoring, account should be taken of relevant biological monitoring values as suggested by the Scientific Committee on Occupational Exposure Limits for Chemicals Agents (SCOEL)
Regulatory reference	COMMISSION DIRECTIVE (EU) 2019/1831
United Kingdom - Occupational Exposure Limits	
Local name	Cumene
WEL TWA (OEL TWA) [1]	125 mg/m³
WEL TWA (OEL TWA) [2]	25 ppm
WEL STEL (OEL STEL)	250 mg/m³
WEL STEL (OEL STEL) [ppm]	50 ppm
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
XYLENE (1330-20-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Xylene, mixed isomers, pure
IOEL TWA	221 mg/m ³
IOEL TWA [ppm]	50 ppm
IOEL STEL	442 mg/m ³
IOEL STEL [ppm]	100 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
United Kingdom - Occupational Exposure Limits	
Local name	Xylene
WEL TWA (OEL TWA) [1]	220 mg/m³ o-,m-,p- or mixed isomers
WEL TWA (OEL TWA) [2]	50 ppm o-,m-,p- or mixed isomers
WEL STEL (OEL STEL)	441 mg/m ³ o-,m-,p- or mixed isomers
WEL STEL (OEL STEL) [ppm]	100 ppm o-,m-,p- or mixed isomers
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
United Kingdom - Biological limit values	
Local name	Xylene, o-, m-, p- or mixed isomers

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XYLENE (1330-20-7)			
BMGV 650 mmol/mol Creatinine Parameter: methyl hippuric acid - Medium: urine - San time: Post shift			
Regulatory referenceEH40/2005 (Fourth edition, 2020). HSE			
1,2,4-TRIMETHYLBENZENE (95-63-6)			
EU - Indicative Occupational Exposure Limit (IOEL)			
Local name	1,2,4-Trimethylbenzene		
IOEL TWA	100 mg/m³		
IOEL TWA [ppm]	20 ppm		
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC		

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection: Safety glasses

8.2.2.2. Skin protection

Skin and body protection: Wear suitable protective clothing

Hand protection: Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls: Avoid release to the environment.

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SECTION 9: Physical and chemi	cal properties
9.1. Information on basic physical and c	hemical properties
Physical state	: Liquid
Colour	: Colourless.
Odour	: aromatic.
Odour threshold	: Not available
Melting point	: -26.1
Freezing point	: Not available
Boiling point	: 161 – 171 °C
Flammability	: Flammable liquid and vapour.
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: 46 °C
Auto-ignition temperature	: 485
Decomposition temperature	: Not available
pН	: No data available.
Viscosity, kinematic	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: No data available.
Relative vapour density at 20°C	: 0.269kPa at 20oc
Particle characteristics	: Not applicable

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

Flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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SECTION 11: Toxicological information		
11.1. Information on hazard classes as defin	ned in Regulation (EC) No 1272/2008	
Acute toxicity (oral) :	Not classified	
Acute toxicity (dermal) :	Not classified	
	4.000 mm////h	
ATE CLP (dust, mist)	4.266 mg//4n	
LOW BOILING POINT NAPHTHA - UNSPECIF	IED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. (64742-95-6)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)	
LD50 dermal rat	> 2000 mg/kg Source: ECHA	
LC50 Inhalation - Rat (Vapours)	5.16 mg/l Source: ECHA	
CUMENE (98-82-8)		
LD50 oral rat	2910 mg/kg Source: HSDB	
LD50 dermal rabbit	> 3160 mg/kg bodyweight Animal: rabbit	
XYLENE (1330-20-7)		
LD50 oral rat	3523 ma/ka Source: ECHA	
LD50 dermal rabbit	12126 mg/kg bodyweight Animal: rabbit. Animal sex: male	
LC50 Inhalation - Rat [ppm]	5922 ppm	
LD50 oral rat	6000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: EU Method B.1 (Acute Toxicity (Oral)), 95% CL: 4920 - 7320	
LD50 dermal rabbit	> 3160 mg/kg Source: International Uniform ChemicaL Information Database	
LC50 Inhalation - Rat	10.2 mg/l air Animal: rat	
LC50 Inhalation - Rat (Vapours)	18 mg/l Source: Corporate Solution From Thomson Micromedex	
Skin corrosion/irritation :	Causes skin irritation.	
Serious eve damage/irritation	pH: No data available. Causes serious eve irritation.	
	pH: No data available.	
Respiratory or skin sensitisation :	Not classified	
Germ cell mutagenicity :	May cause genetic defects.	
	May cause cancer.	
CUMENE (98-82-8)		
IARC group	2B - Possibly carcinogenic to humans	
XYLENE (1330-20-7)		
IARC group	3 - Not classifiable	
Reproductive toxicity :	Not classified	
STOT-single exposure :	May cause respiratory irritation.	
CUMENE (98-82-8)		
STOT-single exposure	May cause respiratory irritation.	
1,2,4-TRIMETHYLBENZENE (95-63-6)		
STOT-single exposure	May cause respiratory irritation.	
STOT-repeated exposure :	Not classified	

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1,2,4-TRIMETHYLBENZENE (95-63-6)		
NOAEL (oral, rat, 90 days)	600 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity Study in Rodents)	
NOAEC (inhalation, rat, vapour, 90 days)	1.8 mg/l air Animal: rat, Guideline: OECD Guideline 452 (Chronic Toxicity Studies)	
Aspiration hazard :	May be fatal if swallowed and enters airways.	
LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. (64742-95-6)		
Viscosity, kinematic < 1 mm²/s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm²/s)'		
CUMENE (98-82-8)		
Viscosity, kinematic	0.74 mm ² /s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm ² /s)'	

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information		
12.1. Toxicity		
Ecology - general : Hazardous to the aquatic environment, short-term : (acute) Hazardous to the aquatic environment, long-term : (chronic)	Toxic to aquatic life with long lasting effects. Not classified Toxic to aquatic life with long lasting effects.	
Not rapidly degradable		
LOW BOILING POINT NAPHTHA - UNSPECIFI	ED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. (64742-95-6)	
LC50 - Fish [1]	9.22 mg/l Source: IUCLID	
EC50 - Crustacea [1]	6.14 mg/l Source: IUCLID	
EC50 72h - Algae [1]	19 mg/l Source: IUCLID	
CUMENE (98-82-8)		
LC50 - Fish [1]	4.7 mg/l Test organisms (species): Cyprinodon variegatus	
LC50 - Fish [2]	4.8 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)	
EC50 - Crustacea [1]	2.14 mg/l Test organisms (species): Daphnia magna	
EC50 72h - Algae [1]	2.01 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
EC50 72h - Algae [2]	1.29 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
ErC50 algae	2.01 mg/l Source: ECHA	
NOEC (chronic)	0.35 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC chronic fish	0.38 mg/l Test organisms (species): other: Duration: '28 d'	
XYLENE (1330-20-7)		
LC50 - Fish [1]	2.6 mg/I Source: ECHA	
EC50 - Crustacea [1]	> 3.4 mg/l Test organisms (species): Ceriodaphnia dubia	
LOEC (chronic)	3.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'	

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1,2,4-TRIMETHYLBENZENE (95-63-6)	
LC50 - Fish [1]	7.72 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	6.14 mg/l Source: International Uniform ChemicaL Information Database
EC50 96h - Algae [1]	2.356 mg/l Test organisms (species): other:
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
LOW BOILING POINT NAPHTHA - UNSPECIFI	ED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. (64742-95-6)
Partition coefficient n-octanol/water (Log Pow)	2.1 – 6 Source: IUCLID
CUMENE (98-82-8)	
Partition coefficient n-octanol/water (Log Pow)	3.66 Source: HSDB
XYLENE (1330-20-7)	
Partition coefficient n-octanol/water (Log Pow)	3.15 Source: HSDB
1,2,4-TRIMETHYLBENZENE (95-63-6)	
Partition coefficient n-octanol/water (Log Pow)	3.78 Source: National Library of Medicine/Hazardous Substances Data Bank
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessment	
No additional information available	
12.6. Endocrine disrupting properties	
No additional information available	
12.7. Other adverse effects	
No additional information available	

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods Additional information

Dispose of contents/container in accordance with licensed collector's sorting instructions.Flammable vapours may accumulate in the container.

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HP Code	: HP3 - "Flammable:"
	 – flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil,
	diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;
	 – flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small
	quantities, is liable to ignite within five minutes after coming into contact with air;
	 – flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;
	 – flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;
	 water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;
	 other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.
	HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.
	HP6 - "Acute Toxicity:" waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure.
	HP7 - "Carcinogenic." waste which induces cancer or increases its incidence
	HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin
	irritation or damage to the eye.
	HP11 - "Mutagenic:" waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell.
	HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one

or more sectors of the environment

SECTION 14: Transport information In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number or ID number				
UN 1268	UN 1268 UN 1268 UN 1268 UN 1268		UN 1268	
14.2. UN proper shippin	g name			
PETROLEUM	PETROLEUM	Petroleum distillates, n.o.s.	PETROLEUM	PETROLEUM
DISTILLATES, N.O.S.	DISTILLATES, N.O.S.	(Solvent naphtha	DISTILLATES, N.O.S.	DISTILLATES, N.O.S.
(Solvent naphtha	(Solvent naphtha	(petroleum), light arom.;	(Solvent naphtha	(Solvent naphtha
(petroleum), light arom.;	(petroleum), light arom.;	Low boiling point naphtha -	(petroleum), light arom.;	(petroleum), light arom.;
Low boiling point naphtha -	Low boiling point naphtha -	unspecified; [A complex	Low boiling point naphtha -	Low boiling point naphtha -
unspecified; [A complex	unspecified; [A complex	combination of	unspecified; [A complex	unspecified; [A complex
combination of	combination of	hydrocarbons obtained	combination of	combination of
hydrocarbons obtained	hydrocarbons obtained	from distillation of aromatic	hydrocarbons obtained	hydrocarbons obtained
from distillation of aromatic	from distillation of aromatic	streams. It consists	from distillation of aromatic	from distillation of aromatic
streams. It consists	streams. It consists	predominantly of aromatic	streams. It consists	streams. It consists
predominantly of aromatic	predominantly of aromatic	hydrocarbons having	predominantly of aromatic	predominantly of aromatic
hydrocarbons having	hydrocarbons having	carbon numbers	hydrocarbons having	hydrocarbons having
carbon numbers	carbon numbers	predominantly in the range	carbon numbers	carbon numbers
predominantly in the range	predominantly in the range	of C8 through C10 and	predominantly in the range	predominantly in the range
of C8 through C10 and	of C8 through C10 and	boiling in the range of	of C8 through C10 and	of C8 through C10 and
boiling in the range of	boiling in the range of	approximately 135°C to	boiling in the range of	boiling in the range of
approximately 135°C to	approximately 135°C to	210°C (275°F to 410°F).])	approximately 135°C to	approximately 135°C to
210°C (275°F to 410°F).])	210°C (275°F to 410°F).])		210°C (275°F to 410°F).])	210°C (275°F to 410°F).])

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ADR	IMDG	ΙΑΤΑ	ADN	RID
Transport document descr	iption			
UN 1268 PETROLEUM DISTILLATES, N.O.S. (Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C10 and boiling in the range of approximately 135°C to 210°C (275°F to 410°F).]), 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 1268 PETROLEUM DISTILLATES, N.O.S. (Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C10 and boiling in the range of approximately 135°C to 210°C (275°F to 410°F).]), 3, III, MARINE POLLUTANT/ENVIRONME NTALLY HAZARDOUS	UN 1268 Petroleum distillates, n.o.s. (Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified; [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C10 and boiling in the range of approximately 135°C to 210°C (275°F to 410°F).]), 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1268 PETROLEUM DISTILLATES, N.O.S. (Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C10 and boiling in the range of approximately 135°C to 210°C (275°F to 410°F).]), 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1268 PETROLEUM DISTILLATES, N.O.S. (Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C10 and boiling in the range of approximately 135°C to 210°C (275°F to 410°F).]), 3, III, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard o	class(es)	2	2	2
14.4. Packing group	I			I
	111	111	111	111
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information	on available			
14.6. Special precautio	ns for user			
Overland transport Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR)	: F1 : 664 : 51 : E1 : P0	1 01, IBC03, LP01, R001		

Excepted quantities (ADR)	:	E1
Packing instructions (ADR)		P001, IBC03, LP01
Mixed packing provisions (ADR)	:	MP19
Portable tank and bulk container instructions (ADR)	:	T4
Portable tank and bulk container special provisions	:	TP1, TP29
(ADR)		
Tank code (ADR)	:	LGBF
Vehicle for tank carriage	:	FL
Transport category (ADR)	:	3
Special provisions for carriage - Packages (ADR)	:	V12
Special provisions for carriage - Operation (ADR)	:	S2
Hazard identification number (Kemler No.)	:	30

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- E

Orange plates

	30
	1268
FAC code	: D/E - 3Y
Transport by sea	
Special provisions (IMDG)	: 223, 955
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	. 14 . TD1 TD20
EmS-No. (Fire)	· F-F
EmS-No. (Spillage)	· S-F
Stowage category (IMDG)	: A
Properties and observations (IMDG)	Immiscible with water.
Air transport	
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
CAC max net quantity (IATA)	. 00L . 266
CAO may not quantity (IATA)	2201
Special provisions (IATA)	· A3
ERG code (IATA)	: 3L
Inland waterway transport	. 51
Excepted quantities (ADN)	. 5L . E1
Carriage permitted (ADN)	· T
Equipment required (ADN)	: PP. EX. A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 0
	. 51
Limited quantities (PID)	: F1 51
Excepted quantities (RID)	. 5L . E1
Packing instructions (RID)	· P001 IBC03 I P01 R001
Mixed packing provisions (RID)	· MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions	: TP1, TP29
(RID)	
Tank codes for RID tanks (RID)	: LGBF
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Colis express (express parcels) (RID)	: CE4
Hazard identification number (RID)	: 30

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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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)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) 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)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (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 (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)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
ΙΑΤΑ	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	

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Abbreviations and acronyms:		
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
VOC	Volatile Organic Compounds	
CAS-No.	Chemical Abstract Service number	
N.O.S.	Not Otherwise Specified	
vPvB	Very Persistent and Very Bioaccumulative	
ED	Endocrine disrupting properties	

Full text of H- and EUH-statements:		
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4	
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2	
Asp. Tox. 1	Aspiration hazard, Category 1	
Carc. 1B	Carcinogenicity, Category 1B	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 3	Flammable liquids, Category 3	
H226	Flammable liquid and vapour.	
H304	May be fatal if swallowed and enters airways.	
H312	Harmful in contact with skin.	
H315	Causes skin irritation.	
H319	Causes serious eye irritation.	
H332	Harmful if inhaled.	
H335	May cause respiratory irritation.	
H340	May cause genetic defects.	

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Full text of H- and EUH-statements:		
H350	May cause cancer.	
H411	Toxic to aquatic life with long lasting effects.	
Muta. 1B	Germ cell mutagenicity, Category 1B	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	

The classification complies with

: ATP 12

Safety Data Sheet (SDS)_EMAL, EU

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