

EMSEP-F402

Safety Data Sheet

according to Regulation (EU) 2015/830

Issue date: 11/6/2020 Revision date: 11/6/2023

Version: 1.2

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

1.1. Product identifier

Product form	: Mixture
Trade name	: EMSEP-F402
Product code	: EMSEP-4F02
Product group	: Trade product

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

1.2.1. Relevant identified uses

Use of the substance/mixture	: Emulsion Breaker
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1.2.2. Uses advised against

Restrictions on use	: Keep out of the reach of children
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1.3. Details of the supplier of the safety data sheet

Improchem (Pty) Ltd T/A AECI Water
1 Wharhirst Road
Umbogintwini - South Africa
T +27 (031) 949 8200

1.4. Emergency telephone number

Emergency number	: 0800 SPILLS OR 0800 774557
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Skin sensitisation, Category 1	H317
Carcinogenicity, Category 2	H351
Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336
Aspiration hazard, Category 1	H304
Hazardous to the aquatic environment — Chronic Hazard, Category 2	H411

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Suspected of causing cancer. May cause drowsiness or dizziness. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Hazardous ingredients

: HEAVY AROMATIC NAPHTHA 150; WITBREAK DRC-168B; ETHYLENE DIAMINE; NAPHTHALENE; DODECYLBENZENE SULFONIC ACID

Hazard statements (CLP)

: H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.

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Precautionary statements (CLP)	: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled. H336 - May cause drowsiness or dizziness. H351 - Suspected of causing cancer. H411 - Toxic to aquatic life with long lasting effects. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P280 - Wear goggles, gloves, clothing and respiratory protection P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor. P391 - Collect spillage.
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Labelling according to Directive 67/548/EEC or 1999/45/EC

2.3. Other hazards

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]
HEAVY AROMATIC NAPHTHA 150	(CAS-No.) 64742-94-5 (EC-No.) 265-198-5 (EC Index-No.) 649-424-00-3	19.5 – 54	Carc. 2, H351 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
DODECYLBENZENE SULFONIC ACID	(CAS-No.) 27176-87-0 (EC-No.) 248-289-4	15.65 – 44	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314
WITBREAK DRC-168B	(CAS-No.) 31605-35-3	13 – 31.5	Eye Irrit. 2, H319 Carc. 2, H351 Aquatic Chronic 3, H412
BUTYL DIGLYCOL ETHER	(CAS-No.) 112-34-5 (EC-No.) 203-961-6 (EC Index-No.) 603-096-00-8	6.5 – 27	Eye Irrit. 2, H319 STOT SE 3, H336
NAPHTHALENE	(CAS-No.) 91-20-3 (EC-No.) 202-049-5 (EC Index-No.) 601-052-00-2	1.625 – 22.5	Carc. 2, H351 Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
ETHYLENE DIAMINE substance listed as REACH Candidate (Ethylenediamine (EDA))	(CAS-No.) 107-15-3 (EC-No.) 203-468-6 (EC Index-No.) 612-006-00-6 (REACH-no) 01-2119480383-37	3.25 – 18	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Resp. Sens. 1, H334 Skin Sens. 1, H317

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash 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	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: Risk of lung oedema.

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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 : Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Combustible. May be ignited by sparks. Under fire conditions closed containers may rupture or explode.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

- Precautionary measures fire : Eliminate all ignition sources if safe to do so. Evacuate area.
Firefighting instructions : Cool laterally with water containers exposed to flames, even after the fire is extinguished. Evacuate area. Eliminate all ignition sources if safe to do so.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid contact with skin, eyes and clothing. Clean up any spills as soon as possible, using an absorbent material to collect it. Do not handle until all safety precautions have been read and understood. Eliminate every possible source of ignition. Evacuate area. Ventilate area.

6.1.1. For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

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.

6.3. Methods and material for containment 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 public waters.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Combustible.
Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.
Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ensure adequate ventilation, especially in confined areas. Facilities: shower, eye shower.
Storage conditions : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Incompatible products : Keep away from open flames, hot surfaces and sources of ignition. Oxidizing agent.
Heat and ignition sources : Keep away from heat and direct sunlight. Keep away from ignition sources.
Storage area : Keep container in a well-ventilated place. Keep only in the original container. Keep out of direct sunlight. Store in a dry area.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ETHYLENE DIAMINE (107-15-3)		
Austria	Local name	1,2-Diaminoethan
Austria	MAK Daily average value (mg/m ³)	25 mg/m ³
Austria	MAK Daily average value (ppm)	10 ppm
Austria	MAK Short time value [mg/m ³]	100 mg/m ³
Austria	MAK Short time value [ppm]	40 ppm
Austria	Remark (AT)	H,Sh
Belgium	Local name	Ethylènediamine
Belgium	Limit value [mg/m ³]	25 mg/m ³ (Ethylènediamine; Belgium; Time-weighted average exposure limit 8 h)
Belgium	Limit value [ppm]	10 ppm (Ethylènediamine; Belgium; Time-weighted average exposure limit 8 h)
Belgium	Remark (BE)	D
Bulgaria	Local name	Етилендиамин
Bulgaria	OEL TWA (mg/m ³)	25 mg/m ³
Croatia	Local name	Etilendiamin; (1,2-Diaminoetan)
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	25 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	10 ppm
Croatia	Naznake (HR)	K; C
Czech Republic	Local name	1,2-Diaminoethan
Czech Republic	Expoziční limity (PEL) (mg/m ³)	25 mg/m ³
Czech Republic	Expoziční limity (PEL) (ppm)	10.18 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m ³)	50 mg/m ³
Czech Republic	Expoziční limity (NPK-P) (ppm)	20.4 ppm
Czech Republic	Remark (CZ)	D, S
Denmark	Local name	Ethylendiamin
Denmark	Grænseværdi (8 timer) (mg/m ³)	25 mg/m ³
Denmark	Grænseværdi (8 timer) (ppm)	10 ppm
Estonia	Local name	Etüleendiamiin (1,2-etaandiamiin,1,2-diaminoetaan)
Estonia	OEL TWA (mg/m ³)	25 mg/m ³
Estonia	OEL TWA (ppm)	10 ppm
Estonia	OEL STEL (mg/m ³)	35 mg/m ³
Estonia	OEL STEL (ppm)	15 ppm
Finland	Local name	Etyleenidiamiini
Finland	HTP-arvo (8h) (mg/m ³)	25 mg/m ³
Finland	HTP-arvo (8h) (ppm)	10 ppm
Finland	HTP-arvo (15 min)	50 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	20 ppm
France	Local name	1,2-Diaminoéthane
France	VME [mg/m ³]	25 mg/m ³ (1,2-Diaminoéthane; France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)
France	VME [ppm]	10 ppm (1,2-Diaminoéthane; France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)
France	VLE [mg/m ³]	35 mg/m ³ (1,2-Diaminoéthane; France; Short time value; VL: Valeur non réglementaire indicative)
France	VLE [ppm]	15 ppm (1,2-Diaminoéthane; France; Short time value; VL: Valeur non réglementaire indicative)
Greece	OEL TWA (mg/m ³)	25 mg/m ³
Greece	OEL TWA (ppm)	10 ppm
Ireland	Local name	Ethylenediamine

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ETHYLENE DIAMINE (107-15-3)		
Ireland	OEL (8 hours ref) (mg/m ³)	25 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	10 ppm
Ireland	Notes (IE)	Sen
Lithuania	Local name	Etilendiaminas
Lithuania	IPRV (mg/m ³)	25 mg/m ³
Lithuania	IPRV (ppm)	10 ppm
Lithuania	TPRV (mg/m ³)	35 mg/m ³
Lithuania	TPRV (ppm)	15 ppm
Lithuania	Remark (LT)	J
Netherlands	Grenswaarde TGG 8H (mg/m ³)	25 mg/m ³
Poland	Local name	Etylenodiamina
Poland	NDS (mg/m ³)	20 mg/m ³
Poland	NDSch (mg/m ³)	50 mg/m ³
Portugal	Local name	Etilenodiamina (1,2-Diaminoetano)
Portugal	OEL TWA (ppm)	10 ppm
Romania	Local name	Etilendiamina
Romania	OEL TWA (mg/m ³)	20 mg/m ³
Romania	OEL TWA (ppm)	8 ppm
Romania	OEL STEL (mg/m ³)	30 mg/m ³
Romania	OEL STEL (ppm)	12 ppm
Slovenia	Local name	1,2-diaminoetan (etilendiamin)
Slovenia	OEL TWA (mg/m ³)	25 mg/m ³
Slovenia	OEL TWA (ppm)	10 ppm
Slovenia	OEL STEL (mg/m ³)	100 mg/m ³
Slovenia	OEL STEL (ppm)	40 ppm
Spain	Local name	1,2-Diaminoetano (Etilendiamina)
Spain	VLA-ED (mg/m ³)	25 mg/m ³
Spain	VLA-ED (ppm)	10 ppm
Spain	Notes	Vía dérmica: (Indica que, en las exposiciones a esta sustancia, la aportación por la vía cutánea puede resultar significativa para el contenido corporal total si no se adoptan medidas para prevenir la absorción. En estas situaciones, es aconsejable la utilización del control biológico para poder cuantificar la cantidad global absorbida del contaminante. Para más información véase el Apartado 5 de este documento.), Sen (Sensibilizante. Véase Apartado 6.)
Sweden	Local name	Ethylenediamine
Sweden	nivågränsvärde (NVG) (mg/m ³)	25 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	10 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	35 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	15 ppm
Norway	Local name	Etylendiamin
Norway	Grenseverdier (AN) (mg/m ³)	25 mg/m ³
Norway	Grenseverdier (AN) (ppm)	10 ppm
Norway	Merknader (NO)	A
Switzerland	Local name	1,2-Diaminoéthane
Switzerland	MAK (mg/m ³)	25 mg/m ³
Switzerland	MAK (ppm)	10 ppm
Switzerland	KZGW (mg/m ³)	50 mg/m ³
Switzerland	KZGW (ppm)	20 ppm
Switzerland	Remark	4x15
Australia	Local name	Ethylenediamine
Australia	TWA (mg/m ³)	25 mg/m ³

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ETHYLENE DIAMINE (107-15-3)		
Australia	TWA (ppm)	10 ppm
USA - ACGIH	Local name	Ethylenediamine
USA - ACGIH	ACGIH TWA (ppm)	10 ppm (Ethylenediamine; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
USA - OSHA	Local name	Ethylenediamine
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	25 mg/m ³
USA - OSHA	OSHA PEL (TWA) (ppm)	10 ppm

8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Personal protective equipment : Protective goggles. Protective clothing. Gloves, shoulder length. Safety Boots. Insufficient ventilation: wear respiratory protection.
- Hand protection : Nitrile rubber
- Eye protection : Protective goggles
- Skin and body protection : Wear suitable protective clothing
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment



- Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Colour : Amber. Black. Brown. Free from foreign matter.
- Odour : Hydrocarbon.
- Odour threshold : No data available
- pH : No data available
- Relative evaporation rate (butylacetate=1) : No data available
- Melting point : Not applicable
- Freezing point : No data available
- Boiling point : No data available
- Flash point : > 62 °C
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Flammability (solid, gas) : Not applicable
- Vapour pressure : No data available
- Relative vapour density at 20 °C : No data available
- Relative density : No data available
- Density : 0.965 – 0.985 g/cm³ @ 25 C
- Solubility : Insoluble in water.
- Partition coefficient n-octanol/water (Log Pow) : No data available
- Viscosity, kinematic : No data available
- Viscosity, dynamic : No data available
- Explosive properties : No data available
- Oxidising properties : No data available
- Explosive limits : No data available

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

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

Heat. Keep away from heat and direct sunlight.

10.5. Incompatible materials

Oxidizing agent.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Nitrogen oxides. Sulphur dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

HEAVY AROMATIC NAPHTHA 150 (64742-94-5)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 5000 mg/kg
LC50 Inhalation - Rat	> 2 (≥ 20)

BUTYL DIGLYCOL ETHER (112-34-5)

LD50 oral rat	5660 mg/kg
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WITBREAK DRC-168B (31605-35-3)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 5000 mg/kg

ETHYLENE DIAMINE (107-15-3)

LD50 oral rat	> 500 mg/kg (Rat)
LD50 oral	637 mg/kg bodyweight
LD50 dermal rabbit	657 mg/kg (Rabbit)
LD50 dermal	560 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	> 2.5 mg/l/4h

NAPHTHALENE (91-20-3)

LD50 oral rat	490 mg/kg
LD50 dermal rat	20000 mg/kg
LC50 Inhalation - Rat	> 0.4 mg/l/4h

DODECYLBENZENE SULFONIC ACID (27176-87-0)

LD50 oral rat	650 mg/kg (Rat; Literature study)
LD50 oral	650 mg/kg bodyweight

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.

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HEAVY AROMATIC NAPHTHA 150 (64742-94-5)	
LC50 fish 1	1 – 10 mg/l
EC50 Daphnia 1	1 – 10 mg/l
EC50 72h algae (1)	1 – 10 mg/l
BUTYL DIGLYCOL ETHER (112-34-5)	
LC50 fish 1	1300 mg/l
EC50 Daphnia 1	2850 mg/l
EC50 72h algae (1)	> 100 mg/l
ETHYLENE DIAMINE (107-15-3)	
LC50 fish 1	640 mg/l
LC50 fish 2	230 mg/l (LC50; 96 h)
EC50 Daphnia 1	3 mg/l (EC50; 48 h)
EC50 other aquatic organisms 1	71 mg/l (72 h; Selenastrum capricornutum; Biomass)
EC50 other aquatic organisms 2	645 mg/l IC50 alga (72 h) mg/l
NAPHTHALENE (91-20-3)	
LC50 fish 1	7.9 mg/l (FATHEAD MINNOW)
EC50 Daphnia 1	2.16 mg/l
DODECYLBENZENE SULFONIC ACID (27176-87-0)	
Threshold limit algae 2	127.9 mg/l (ErC50; Other; 72 h; Scenedesmus subspicatus; Static system)

12.2. Persistence and degradability

HEAVY AROMATIC NAPHTHA 150 (64742-94-5)	
Persistence and degradability	Readily biodegradable in water.
ETHYLENE DIAMINE (107-15-3)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.01 g O ₂ /g substance
Chemical oxygen demand (COD)	1.3 g O ₂ /g substance
ThOD	1.33 g O ₂ /g substance
BOD (% of ThOD)	0.0075
DODECYLBENZENE SULFONIC ACID (27176-87-0)	
Persistence and degradability	Readily biodegradable in water. Low potential for adsorption in soil.
Chemical oxygen demand (COD)	2.41 g O ₂ /g substance

12.3. Bioaccumulative potential

HEAVY AROMATIC NAPHTHA 150 (64742-94-5)	
Bioaccumulative potential	Bioaccumable.
ETHYLENE DIAMINE (107-15-3)	
BCF fish 1	0.07 (BCF)
Partition coefficient n-octanol/water (Log Pow)	-1.3 – 0.05
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
NAPHTHALENE (91-20-3)	
BCF fish 1	427 – 1158 mg/l
Partition coefficient n-octanol/water (Log Pow)	3.4 @ 25 c
DODECYLBENZENE SULFONIC ACID (27176-87-0)	
Partition coefficient n-octanol/water (Log Pow)	1.96
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

BUTYL DIGLYCOL ETHER (112-34-5)	
Ecology - soil	Mobile.
DODECYLBENZENE SULFONIC ACID (27176-87-0)	
Surface tension	35 N/m (25 °C; 800 mg/l)

12.5. Results of PBT and vPvB assessment

Component	
ETHYLENE DIAMINE (107-15-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- | | |
|--|---|
| Regional legislation (waste) | : Disposal must be done according to official regulations. |
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations | : Disposal must be done according to official regulations. |
| Product/Packaging disposal recommendations | : Disposal must be done according to official regulations. |

SECTION 14: Transport information

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

14.1. UN number

- | | |
|---------------|--------|
| UN-No. (ADR) | : 3082 |
| UN-No. (IMDG) | : 3082 |
| UN-No. (IATA) | : 3082 |

14.2. UN proper shipping name

- | | |
|---------------------------------------|---|
| Proper Shipping Name (ADR) | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| Proper Shipping Name (IMDG) | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| Proper Shipping Name (IATA) | : Environmentally hazardous substance, liquid, n.o.s. |
| Transport document description (ADR) | : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((Hydrocarbons , C10,aromatics,>1% naphthalene , mixture)), 9, III, (-) |
| Transport document description (IMDG) | : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, MARINE POLLUTANT |
| Transport document description (IATA) | : UN 3082 Environmentally hazardous substance, liquid, n.o.s., 9, III |

14.3. Transport hazard class(es)

ADR

- | | |
|----------------------------------|-----|
| Transport hazard class(es) (ADR) | : 9 |
| Danger labels (ADR) | : 9 |



IMDG

- | | |
|-----------------------------------|-----|
| Transport hazard class(es) (IMDG) | : 9 |
| Danger labels (IMDG) | : 9 |



IATA

- | | |
|-----------------------------------|-----|
| Transport hazard class(es) (IATA) | : 9 |
| Danger labels (IATA) | : 9 |



14.4. Packing group

- | | |
|----------------------|-------|
| Packing group (ADR) | : III |
| Packing group (IMDG) | : III |

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Packing group (IATA) : III

14.5. Environmental hazards

Dangerous for the environment : Yes
Marine pollutant : Yes
Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (ADR) : M6
Special provisions (ADR) : 274, 335, 375, 601
Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E1
Packing instructions (ADR) : P001, IBC03, LP01, R001
Special packing provisions (ADR) : PP1
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T4
Portable tank and bulk container special provisions (ADR) : TP1, TP29
Tank code (ADR) : LGBV
Vehicle for tank carriage : AT
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Special provisions for carriage - Loading, unloading and handling (ADR) : CV13
Hazard identification number (Kemler No.) : 90
Orange plates :



Tunnel restriction code (ADR) : -
EAC code : •3Z

- Transport by sea

Special provisions (IMDG) : 274, 335, 969
Packing instructions (IMDG) : P001, LP01
Special packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T4
Tank special provisions (IMDG) : TP2, TP29
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-F
Stowage category (IMDG) : A

- Air transport

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y964
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 964
PCA max net quantity (IATA) : 450L
CAO packing instructions (IATA) : 964
CAO max net quantity (IATA) : 450L
Special provisions (IATA) : A97, A158, A197
ERG code (IATA) : 9L

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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

Contains no REACH substances with Annex XVII restrictions

Contains a substance on the REACH candidate list in concentration $\geq 0.1\%$ or with a lower specific limit: Ethylenediamine (EDA) (EC 203-468-6, CAS 107-15-3)

Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

Regulatory reference : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : HEAVY AROMATIC NAPHTHA 150 is listed

SZW-lijst van mutagene stoffen : HEAVY AROMATIC NAPHTHA 150 is listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.

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H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

SDS ImproChem Test

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