

GAINFLO-E4

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 2/20/2024 Revision date: 2/20/2027

Version: 1.1

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

1.1. Product identifier

Product form	: Mixture
Name	: GAINFLO-E4
CAS-No.	: Mixture
Product code	: GAINFLO-E4
Product group	: Raw material

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

1.2.1. Relevant identified uses

Industrial/Professional use spec	: Industrial
Use of the substance/mixture	: Solvent

1.2.2. Uses advised against

No additional information available

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

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
Skin corrosion/irritation, Category 1, Sub-Category 1A	H314
Carcinogenicity, Category 2	H351
Reproductive toxicity, Category 2	H361
Specific target organ toxicity – Single exposure, Category 2	H371
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336
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

Suspected of causing cancer. May cause drowsiness or dizziness. 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 :

ALIPHATIC HYDROCARBON SOLVENT; DODECYLBENZENE SULFONIC ACID; HEAVY AROMATIC NAPHTHA 100; NAPHTHALENE

Hazard statements (CLP) :

H226 - Flammable liquid and vapour.
H314 - Causes severe skin burns and eye damage.
H336 - May cause drowsiness or dizziness.
H351 - Suspected of causing cancer.
H361 - Suspected of damaging fertility or the unborn child.
H371 - May cause damage to organs.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

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smoking.
P280 - Wear goggles, gloves, clothing and respiratory protection
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor.
P321 - Specific treatment (see supplemental first aid instruction on this label).

2.3. Other hazards

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

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	20 – 40	Asp. Tox. 1, H304
HEAVY AROMATIC NAPHTHA 100	(CAS-No.) 64742-94-5 (EC-No.) 265-198-5 (EC Index-No.) 649-424-00-3	8.75 – 27.5	Carc. 2, H351 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
ALIPHATIC HYDROCARBON SOLVENT	(CAS-No.) 64742-89-8 (EC-No.) 265-192-2 (EC Index-No.) 649-267-00-0	5 – 15	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT SE 2, H371 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
DODECYLBENZENE SULFONIC ACID	(CAS-No.) 27176-87-0 (EC-No.) 248-289-4	5 – 15	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314
BUTYL CELLOSOLVE substance with a Community workplace exposure limit	(CAS-No.) 111-76-2 (EC-No.) 203-905-0 (EC Index-No.) 603-014-00-0	2.5 – 10	Acute Tox. 3 (Inhalation), H331 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319
NAPHTHALENE	(CAS-No.) 91-20-3 (EC-No.) 202-049-5 (EC Index-No.) 601-052-00-2	0.035 – 2.75	Carc. 2, H351 Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Treat symptomatically. If you feel unwell, seek medical advice. IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if breathing difficulty persists. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Wash immediately with lots of water (15 minutes)/shower. Remove clothing while washing. Obtain medical attention. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 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	: Rinse mouth with water. Do NOT induce vomiting. Do not induce vomiting/risk of damage to lungs exceeds poisoning risk. Get medical advice/attention. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after inhalation	: Respiratory difficulties. May result in aspiration into the lungs, causing chemical pneumonia. May cause respiratory irritation.
Symptoms/effects after skin contact	: Causes skin irritation. Irritation.
Symptoms/effects after eye contact	: Causes eye irritation. Eye irritation.

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Symptoms/effects after ingestion : Ingestion of this product may lead to chemical pneumonia and even death.

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 : Under fire conditions closed containers may rupture or explode.
Explosion hazard : Vapours are heavier than air and may spread along floors.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Precautionary measures fire : Evacuate area. Eliminate all ignition sources if safe to do so. Flammable. Stop leak if safe to do so.
Firefighting instructions : Evacuate area. Eliminate all ignition sources if safe to do so. Do not enter fire area without proper protective equipment, including respiratory protection. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Cool tanks/drums with water spray/remove them into safety.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin, eyes and clothing. Do not handle until all safety precautions have been read and understood. Eliminate every possible source of ignition. Evacuate area. Limit access only to the necessary cleaning personnel. No flames, no sparks. Eliminate all sources of ignition. No open flames. No smoking. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

6.1.1. For non-emergency personnel

Protective equipment : Wear full protective clothing and breathing apparatus when dealing with all spillage (see section 8).
Emergency procedures : Ventilate spillage area. Evacuate area. Avoid inhalation of vapour and spray mist. Keep containers closed. No flames, no sparks. Eliminate all sources of ignition. Spark- and explosionproof appliances and lighting equipment. 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".
Emergency procedures : All equipment used when handling the product must be grounded. Evacuate unnecessary personnel. Ventilate area. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Cover spill with non combustible material, e.g.: sand, earth, vermiculite. 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 : Handle empty containers with care because residual vapours are flammable. Keep away from ignition sources.

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Precautions for safe handling	: Avoid ignition sources. Keep away from open flames, hot surfaces and sources of ignition. 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. 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	: Facilities: shower, eye shower. Ensure adequate ventilation, especially in confined areas. Proper grounding procedures to avoid static electricity should be followed.
Storage conditions	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from ignition sources. Keep only in original container. Keep container tightly closed and dry. Keep in a cool, well-ventilated place away from acids. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Incompatible products	: fluorine.
Incompatible materials	: Heat sources. Sources of ignition. Store away from heat.
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. Store away from heat. Store in a cool area.
Special rules on packaging	: Keep only in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

BUTYL CELLOSOLVE (111-76-2)

EU - Indicative Occupational Exposure Limit (IOEL)

Local name	2-Butoxyethanol
IOEL TWA	98 mg/m ³
IOEL TWA [ppm]	20 ppm
IOEL STEL	246 mg/m ³
IOEL STEL [ppm]	50 ppm
Remark	Skin

United Kingdom - Occupational Exposure Limits

Local name	2-Butoxyethanol
WEL TWA (OEL TWA) [1]	123 mg/m ³
WEL TWA (OEL TWA) [2]	25 ppm
WEL STEL (OEL STEL)	246 mg/m ³
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), BMGV (Biological monitoring guidance values are listed in Table 2)

USA - ACGIH - Occupational Exposure Limits

Local name	2-Butoxyethanol (EGBE)
ACGIH OEL TWA [ppm]	20 ppm
Remark (ACGIH)	Eye & URT irr

GAINFLO-E4 (Mixture)

DNEL/DMEL (Workers)

Acute - systemic effects, dermal	17 mg/kg bodyweight/day
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BUTYL CELLOSOLVE (111-76-2)		
United Kingdom	Local name	2-Butoxyethanol
United Kingdom	WEL TWA (OEL TWA) [1]	123 mg/m ³
United Kingdom	WEL TWA (OEL TWA) [2]	25 ppm
United Kingdom	WEL STEL (OEL STEL)	246 mg/m ³
United Kingdom	WEL STEL (OEL STEL) [ppm]	50 ppm
United Kingdom	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), BMGV (Biological monitoring guidance values are listed in Table 2)
USA - ACGIH	Local name	2-Butoxyethanol (EGBE)
USA - ACGIH	ACGIH OEL TWA [ppm]	20 ppm
USA - ACGIH	Remark (ACGIH)	Eye & URT irr
USA - OSHA	Local name	2-Butoxyethanol
USA - OSHA	OSHA PEL TWA [1]	240 mg/m ³
USA - OSHA	OSHA PEL TWA [2]	50 ppm

GAINFLO-E4 (Mixture)

DNEL/DMEL (Workers)

Acute - systemic effects, dermal : 17 mg/kg bodyweight/day

8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Personal protective equipment	: Protective goggles. Gloves, shoulder length. Protective clothing. Safety Boots. Insufficient ventilation: wear respiratory protection.
Hand protection	: Gloves, shoulder length
Eye protection	: Protective goggles
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: Approved organic vapour respirator



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	: Opaque.Brown to amber to black.
Odour	: aromatic.
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	: 54 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: No data available
Density	: 8.89 – 0.905 g/cm ³ @ 25 C

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Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: ≤ 50 cP @ 25 C
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

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

Avoid elevated temperatures. Avoid formation of vapours. Heat. Sparks.

10.5. Incompatible materials

fluorine.

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)
ALIPHATIC HYDROCARBON SOLVENT (64742-89-8)	
LD50 oral rat	5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat [ppm]	> 20 ppm
BUTYL CELLOSOLVE (111-76-2)	
LD50 oral	1746 mg/kg bodyweight
LD50 dermal	435 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	2200 mg/m ³
DODECYLBENZENE SULFONIC ACID (27176-87-0)	
LD50 oral rat	650 mg/kg (Rat; Literature study)
LD50 oral	650 mg/kg bodyweight
HEAVY AROMATIC NAPHTHA 100 (64742-94-5)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 5000 mg/kg
LC50 Inhalation - Rat	> 2 (≥ 20)
NAPHTHALENE (91-20-3)	
LD50 oral rat	490 mg/kg
LD50 dermal rat	20000 mg/kg
LC50 Inhalation - Rat	> 0.4 mg/l/4h

Skin corrosion/irritation	: Causes severe skin burns.
Serious eye damage/irritation	: Assumed to cause serious eye damage
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified

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Carcinogenicity	: Limited evidence of a carcinogenic effect. naphthalene
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: May cause damage to organs. May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

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

GAINFLO-E4 (Mixture)	
EC50 72h - Algae [1]	1 – 10 mg/l
HEAVY AROMATIC NAPHTHA 150 (64742-94-5)	
LC50 - Fish [1]	1 – 10 mg/l
EC50 - Crustacea [1]	1 – 10 mg/l
EC50 72h - Algae [1]	1 – 10 mg/l
ALIPHATIC HYDROCARBON SOLVENT (64742-89-8)	
EC50 - Crustacea [1]	1 – 10 mg/l
EC50 72h - Algae [1]	10 – 100 mg/l
BUTYL CELLOSOLVE (111-76-2)	
LC50 - Fish [1]	1474 mg/l
EC50 - Other aquatic organisms [1]	1550 mg/l EC50 waterflea (48 h)
EC50 - Other aquatic organisms [2]	911 mg/l IC50 alga (72 h) mg/l
DODECYLBENZENE SULFONIC ACID (27176-87-0)	
Threshold limit - Algae [2]	127.9 mg/l (ErC50; Other; 72 h; Scenedesmus subspicatus; Static system)
HEAVY AROMATIC NAPHTHA 100 (64742-94-5)	
LC50 - Fish [1]	1 – 10 mg/l
EC50 - Crustacea [1]	1 – 10 mg/l
EC50 72h - Algae [1]	1 – 10 mg/l
NAPHTHALENE (91-20-3)	
LC50 - Fish [1]	7.9 mg/l (FATHEAD MINNOW)
EC50 - Crustacea [1]	2.16 mg/l

12.2. Persistence and degradability

GAINFLO-E4 (Mixture)	
Persistence and degradability	Biodegradable in water.
HEAVY AROMATIC NAPHTHA 150 (64742-94-5)	
Persistence and degradability	Readily biodegradable in water.
ALIPHATIC HYDROCARBON SOLVENT (64742-89-8)	
Persistence and degradability	Readily biodegradable in water.
BUTYL CELLOSOLVE (111-76-2)	
BOD (% of ThOD)	88 % ThOD
Biodegradation	90.4 %
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
HEAVY AROMATIC NAPHTHA 100 (64742-94-5)	
Persistence and degradability	Readily biodegradable in water.

12.3. Bioaccumulative potential

GAINFLO-E4 (Mixture)	
Bioaccumulative potential	Not bioaccumulative.
HEAVY AROMATIC NAPHTHA 150 (64742-94-5)	
Bioaccumulative potential	Bioaccumable.
ALIPHATIC HYDROCARBON SOLVENT (64742-89-8)	
Bioaccumulative potential	Bioaccumable.

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BUTYL CELLOSOLVE (111-76-2)	
Partition coefficient n-octanol/water (Log Pow)	0.81 @ 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).
HEAVY AROMATIC NAPHTHA 100 (64742-94-5)	
Bioaccumulative potential	Bioaccumable.
NAPHTHALENE (91-20-3)	
BCF - Fish [1]	427 – 1158 mg/l
Partition coefficient n-octanol/water (Log Pow)	3.4 @ 25 c

12.4. Mobility in soil

ALIPHATIC HYDROCARBON SOLVENT (64742-89-8)	
Ecology - soil	Low mobility (soil).
DODECYLBENZENE SULFONIC ACID (27176-87-0)	
Surface tension	35 N/m (25 °C; 800 mg/l)

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation	: 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	: Beware of residues or vapours which remain in the drums. Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

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

14.1. UN number

UN-No. (ADR)	: 1993
UN-No. (IMDG)	: 1993
UN-No. (IATA)	: 1993

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: FLAMMABLE LIQUID, N.O.S.
Proper Shipping Name (IMDG)	: FLAMMABLE LIQUID, N.O.S.
Proper Shipping Name (IATA)	: Flammable liquid, n.o.s.
Transport document description (ADR)	: UN 1993 FLAMMABLE LIQUID, N.O.S. ((Solvent naphtha (petroleum), heavy arom.,naphthalene)), 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS
Transport document description (IMDG)	: UN 1993 FLAMMABLE LIQUID, N.O.S., 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
Transport document description (IATA)	: UN 1993 Flammable liquid, n.o.s., 3, III, ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	: 3
Danger labels (ADR)	: 3



IMDG

Transport hazard class(es) (IMDG)	: 3
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Danger labels (IMDG) : 3



IATA

Transport hazard class(es) (IATA) : 3

Danger labels (IATA) : 3



14.4. Packing group

Packing group (ADR) : III

Packing group (IMDG) : III

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) : F1

Special provisions (ADR) : 274, 601, 640E

Limited quantities (ADR) : 5I

Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

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) : 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

Orange plates :



Tunnel restriction code (ADR) : D/E

EAC code : •3YE

- Transport by sea

Special provisions (IMDG) : 223, 274, 955

Limited quantities (IMDG) : 5 L

Excepted quantities (IMDG) : E1

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Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-E
Stowage category (IMDG)	: A

- 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
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 366
CAO max net quantity (IATA)	: 220L
Special provisions (IATA)	: A3
ERG code (IATA)	: 3L

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

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

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

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

15.1.2. National regulations

Germany

Regulatory reference	: Not classified according to Regulation Governing Systems for Handling Substances Hazardous to Waters (AwSV)
Hazardous Incident Ordinance (12. BImSchV)	: Is not subject to the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen	: HEAVY AROMATIC NAPHTHA 150,ALIPHATIC HYDROCARBON SOLVENT,HEAVY AROMATIC NAPHTHA 100 are listed
SZW-lijst van mutagene stoffen	: HEAVY AROMATIC NAPHTHA 150,ALIPHATIC HYDROCARBON SOLVENT,HEAVY AROMATIC NAPHTHA 100 are listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: None of the components are listed

Denmark

Class for fire hazard	: Class II-1
Store unit	: 5 liter
Classification remarks	: R10 <H226;H314;H336;H351;H361;H371;H411>; 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

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 16: Other information

Other information : ShellSol A50 SDS29/11/2016.

Full text of H- and EUH-statements:

Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
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
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.
H371	May cause damage to organs.
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.
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 2	Specific target organ toxicity – Single exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

SDS ImproChem Test

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