

SAFETY DATA SHEET

according to the European Regulation (EC) No. 1907/2006, Commission Regulation (EC) No. 2020/878

Product name: LIQUAFALT AR-RT 50A

Date of issue/revision: 2024-08-12

Issue: 5.0

Date of previous issue: 2022-02-10

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier****Product name:****LIQUAFALT AR-RT 50A****Chemical name:** Mixture.**Registration No.:** None.**Index No.:** None.**UFI:** PQ3T-K6EF-J00K-23JW**Internal identifier:** V076230**1.2 Relevant identified uses of the substance or mixture and uses advised against****Designated uses:** Road construction and maintenance.**Uses not recommended:** The product may not be used in any way other than those specified in sections 1 and 7.**1.3 Details of the supplier of the safety data sheet**

Name: PARAMO, a.s.

Place of business: Přerovská 560, 530 06 Pardubice, Czech Republic

Phone: +420 466 810 111

E-mail: paramo@paramo.czWebsite: www.paramo.czPerson(s) responsible for this SDS: bl@paramo.cz**1.4 Emergency telephone number**

Control Room of PARAMO, a.s.: +420 466 303 175

Toxicological Information Centre at Na Bojišti 1, 128 08 Prague 2, phone (Czech Republic only) (24 hours, 7 days a week): +420 224 919 293, 224 915 402, 224 914 575

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****According to 1272/2008 (CLP) the product is classified as hazardous.**

Flammable liquid, Category 3: Flam. Liq. 3, H226

Skin Irritation, Category 2: Skin Irrit. 2, H315

Skin sensitisation, Category 1: Skin Sens. 1, H317

Eye Irritation, Category 2: Eye Irrit. 2, H319

Specific target organ toxicity – repeated exposure, Category 1: STOT RE 1, H372

Hazardous to the aquatic environment, Category 2: Aquatic Chronic 2, H411

2.2 Label elements**Pictogram:****Warning description:** Danger**Dangerous substances:** Low boiling point hydrogen treated naphtha; Amides, C18-unsatd., N-[3-(dimethylamine)propyl]**Standard phrases of hazard:**

H226 Flammable liquid and vapour.

SAFETY DATA SHEET

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Product name: LIQUAFALT AR-RT 50A

Date of issue/revision: 2024-08-12

Issue: 5.0

Date of previous issue: 2022-02-10

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.

Safe handling instructions:

- P102 Keep out of reach of children
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P260 Do not breathe fume and spray
- P262 Do not get in eyes, on skin, or on clothing.
- P273 Avoid release to the environment
- P280 Wear protective gloves, protective clothing, eye and face protection.
- P301+P310+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P370+P378 In case of fire: Use aeromechanical foam for extinction.

Technical data for labeling according to Annex No. 7 to Decree No. 415/2012 Coll., As amended:

Categories and subcategories	A i
Non-volatile matter content (% by weight)	81
Total VOC content (% wt.)	19
Volatile matter content (VOC) (g / l)	180
Maximum VOC threshold (g / l)	500

Additional information on the label: None.

Other requirements: Packaging intended for the general public must have a warning for the blind and a childproof closure.

2.3 Other hazards

The product does not contain persistent, bioaccumulative and toxic substances or very persistent and very bioaccumulative substances according to the criteria in Annex XIII. EC Regulation (PBT, vPvB) at a concentration of 0.1% b.w. or higher.

The product does not contain substances that have been included in a list drawn up in accordance with Article 59 (1) that have endocrine disrupting properties, nor substances that have been identified as endocrine disruptors in accordance with the criteria set out in Commission Regulation delegated powers (EU) 2017/2100 or in Commission Regulation (EU) 2018/605 in a concentration of 0.1% b.w. or more.

The main risk is hot asphalt burns and photodermatitis. Inhalation of vapors when overheated to higher temperatures may cause mild irritation of the upper respiratory tract. This material causes contamination of surface water and soil by accidental leakage. Flammable material. There is a risk of burning if heated above the flash point.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

It is not a substance.

3.2 Mixtures

List of substances contained in the product meeting the criteria of Annex II to Regulation (EC) No 1907/2006 to include in this section.

Identification num.	Substance name	Content in % weigh	Classification according to 1272/2008/EC	Note
EC: 265-185-4 CAS: 64742-82-1 Registration Number: 01-2119490979-12	Low boiling point hydrogen treated naphtha	18	H226, Flam. Liq. 3 H304, Asp. Tox. 1 H315, Skin Irrit. 2 H336, STOT SE 3 H372, STOT RE 1 H411, Aquatic Chronic 2	P

SAFETY DATA SHEET

according to the European Regulation (EC) No. 1907/2006, Commission Regulation (EC) No. 2020/878

Product name: LIQUAFALT AR-RT 50A

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Issue: 5.0

Date of previous issue: 2022-02-10

EC: 800-353-8 CAS: 1379524-06-7 Registration Number: 01-2119971276-30	Amides, C18-unsatd., N-[3-(dimethylamine)propyl]	1.4	H290, Met. Corr. 1 H314, Skin Corr. 1B H317, Skin Sens. 1B H318, Eye Damage 1 H400, Aquatic Acute 1 H410, Aquatic Chronic 1	
EC: 265-078-2 CAS: 64741-77-1 Registration Number: 01-2119474208-35 Identification Number: 649-437-00-4	Distillates (petroleum), light hydrocracked	< 1	H304, Asp. Tox. 1 H315, Skin Irrit. 2 H332, Acute Tox. 4 H351, Carc. 2 H373, STOT RE 2 H411, Aquatic Chronic 2	*
EC: 203-625-9 CAS: 108-88-3 Registration Number: - Identification Number: 601-021-00-30	Toluene	< 0.2	H225, Flam. Liq. 2 H304, Asp. Tox. 1 H315, Skin Irrit. 2 H336, STOT SE 3 H361d, Repr. 2 H373, STOT RE 2	**
EC: 203-777-6 CAS: 110-54-3 Registration Number: není dostupné	N-Hexane	< 0.1	H225, Flam. Liq. 2 H304, Asp. Tox. 1 H315, Skin Irrit. 2 H336, STOT SE 3 H361f, Repr. 2 H373, STOT RE 2, c≥ 5 H411, Aquatic Chronic 2	**

Note P: The substance contains less than 0.1% b.w. of benzene.

* Substance for which national legislative limits for the working environment are set.

** Substance for which Union occupational exposure limits are set.

Full texts of H-phrases are quoted in Section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

If the first aid treatment is to be administered, release tight clothing and keep the exposed person warm and at rest. If conscious, place the exposed person to the stabilised position and get prompt medical attention. In case of cardiac arrest, apply cardiac massage and call medical assistance immediately. If un-conscious but breathing, place the exposed person to the stabilised position and call medical assistance immediately.

Description of first aid measures:

Inhalation: In case of inhalation of the aerosol, dispose of the affected person to fresh air.

Skin contact: Areas hurt with hot asphalt must be cooled, ideally with water. The cooled asphalt must not be removed from the skin in order not to disturb created blisters. Remove the asphalt only in the event that the eyes or ears have been affected. Seek medical aid.

Contact with eyes: Check for contact lenses and remove them, if present. Rinse the eyes thoroughly with ample quantity of clean (lukewarm, if possible) water for at least 15 minutes. If eye irritation persists, seek medical assistance.

Ingestion: Rinse mouth with water, never induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

May cause drowsiness and dizziness.

4.3 Indication of any immediate medical attention and special treatment needed

Inhalation: Check for breathing and pulse rate of the affected person. Do not induce vomiting..

SAFETY DATA SHEET

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Product name: LIQUAFALT AR-RT 50A

Date of issue/revision: 2024-08-12

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Ingestion and inhalation: Contraindications: induced vomiting and gastric irrigation. Administration of medicinal charcoal has no effect. The affected person must be monitored at least for the period of 48 to 72 hours. Monitoring for pulmonary oedema symptoms starts six hours after the ingestion/inhalation and it continues at least for the period of 48 to 72 hours.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing means: Heavy, medium and light air-mechanical foam, type B or C fire-extinguishing powders, CO₂.

Unsuitable extinguishing means: Water jet (for cooling only).

5.2 Special hazards arising from the substance or mixture

Combustion products and hazardous gases: smoke, carbon monoxide, carbon dioxide.

5.3 Advice for firefighters

Fire-fighting teams exposed to smoke or vapours must wear respiratory and eye protection. In confined spaces, the teams must use a self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Measures for workers other than emergency responders

Avoid contamination of clothing and footwear with the product and contact with skin and eyes. Wear suitable protective clothing and replace contaminated clothing immediately. Ensure ventilation of the affected area.

Measures for emergency responders

Depending on the degree of leakage, use high rubber boots or rubber suit. Be aware of the high risk of slipping.

6.2 Environmental precautions

Act as quick as possible, do not allow to enter drains, underground water or watercourses and soil by enclosing the affected area (damming, closing of gulleys). Notify the relevant authorities.

6.3 Methods and material for containment and cleaning up

If possible, contain the spillage and pump off or remove the product mechanically or draw it off the water surface. Let absorb any residua or smaller quantities to a suitable sorbent (Vapex, Chezacarb, saw dust, sand) and place it into labelled containers for further disposal in accordance with the relevant waste disposal legislation.

6.4 Reference to other sections

Apart from the instruction set out in this Section, other important information is shown in section 8 - EXPOSURE CONTROLS AND SECTION 13 – DISPOSAL CONSIDERATIONS.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Use appropriate handling equipment when handling heavy packaging. Avoid spilling the product - risk of slipping. Follow basic hygiene rules. Do not eat, drink or smoke while working. Wash your hands with soap after handling the product. Take off contaminated clothing and wash before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in places protected from rain, dust, heat and other weather conditions. Protect from sunlight, water and mechanical impurities. Store away from sources of ignition. The maximum storage temperature is 40 ° C.

7.3 Specific end use(s)

Road maintenance and construction.

SAFETY DATA SHEET

according to the European Regulation (EC) No. 1907/2006, Commission Regulation (EC) No. 2020/878

Product name: LIQUAFALT AR-RT 50A

Date of issue/revision: 2024-08-12

Issue: 5.0

Date of previous issue: 2022-02-10

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

The product contains substances for which occupational exposure limits are set:

oil mist - TWA, OSHA:	5 mg/m ³
N-Hexane - TWA, Commission Directive 2006/15/EC:	72 mg/m ³
Toluene - TWA, Commission Directive 2006/15/EC:	192 mg/m ³
Toluene - STEL, Commission Directive 2006/15/EC:	384 mg/m ³

Concentration estimation values at which no adverse effects of DNELs and PNECs occur:

Distillates (petroleum), light hydrocracked	DNEL workers: inhalation/long-term/systemic effect 68.3 mg/m ³ inhalation/short-term/systemic effect 4300 mg/m ³ dermal/long-term/systemic effect 2.9 mg/kg bw/day DNEL public: inhalation/long-term/systemic effect 20 mg/m ³ inhalation/short-term/systemic effect 2600 mg/m ³ dermal/long-term/systemic effect 1.3 mg/kg bw/day oral/long-term/systemic effect 1.3 mg/kg bw/day
Low boiling point hydrogen treated naphtha	DNEL workers: inhalation/long-term/local effect 840 mg/m ³ inhalation/short-term/local effect 1100 mg/m ³ inhalation/short-term/systemic effect 1300 mg/m ³ DNEL public: inhalation/long-term/local effect 180 mg/m ³ inhalation/short-term/local effect 640 mg/m ³ inhalation/short-term/systemic effect 1200 mg/m ³
Amides, C18-unsatd., N-[3-(dimethylamino)propyl]	DNEL workers: inhalation/long-term/systemic effect 14.67 mg/m ³ dermal/long-term/systemic effect 2.08 mg/kg bw/day PNEC: freshwater 0.00096 mg/L marine water 0.00096 mg/L freshwater sediment 5.8 mg/kg sediment dw marine water sediment 5.8 mg/kg sediment dw Sewage treatment plant (STP) 7.3 mg/L soil 9.1 mg/kg soil d.w.

8.2 Exposure controls

Observe general safety and hygienic measures; do not eat, drink and smoke at work. After washing the skin with warm water and soap, treat it preventively with a regeneration cream.

Eye/face protection: Use protective goggles or safety eyewear (face shield).

Skin protection: Use oil resistant protective gloves tested according to EN 374, preferably made of nitrile or neoprene rubber. Choose the permeation class depending on the activities performed.

Respiratory protection: Not necessary, if the vapour concentration in air is less than the concentration limits. If the opposite is the case or aerosols are created, use emergency escape mask with A, AX (brown) filters or any other mask types suitable of protecting against organic gases and vapours.

Thermal hazard: None.

Environmental exposure controls: It is necessary to prevent leakage into the environment by all available means.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	liquid
Colour:	black
Odour:	kerosene
Odour threshold value:	not determined

SAFETY DATA SHEET

according to the European Regulation (EC) No. 1907/2006, Commission Regulation (EC) No. 2020/878

Product name: LIQUAFALT AR-RT 50A

Date of issue/revision: 2024-08-12

Issue: 5.0

Date of previous issue: 2022-02-10

Freezing point:	< 0 °C
Boiling point or initial boiling point:	not determined
Flammability:	flammable liquid
Lower and upper explosion limit:	explosiveness, 1.0% vol / 6.5% vol
Flash point:	> 25 °C (Abel)
Auto-ignition temperature:	> 110 °C
Decomposition temperature:	there is no spontaneous decomposition
pH:	not determined, non-polar liquid
Kinematic viscosity:	over 20,5 mm ² /s at 40 °C, non-Newtonian fluid, thixotropic
Solubility:	insoluble in water, immiscible with water
Partition coefficient n-octanol/water (log value):	not determined
Vapour pressure:	100 Pa at 20 °C
Relative vapour density:	not determined
Density:	940 kg/m ³ at 15 °C

9.2 Other information

No further data available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No reactivity danger exists.

10.2 Chemical stability

Stable under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions are possible.

10.4 Conditions to avoid

Heating to high temperature, presence of ignition sources, contact with open flame.

10.5 Incompatible materials

Strong oxidisers.

10.6 Hazardous decomposition products

Under normal conditions: none; if burning under deficiency of air, carbon monoxide may be formed

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 criteria for product classification are not met.

Estimation of acute toxicity of the mixture:

ATE oral > 2000 mg/kg bw

ATE dermal > 2000 mg/kg bw

Distillates (petroleum), light hydrocracked	Inhalation toxicity LC ₅₀ 4100 mg/m ³ (rat, OECD TG 434) dermal toxicity LD ₅₀ > 4300 mg/kg bw (rabbit, OECD TG 401) oral toxicity LD ₅₀ 5000 mg/kg bw (rat, OECD TG 403)
Low boiling point hydrogen treated naphtha	Inhalation toxicity LC ₅₀ > 5160 mg/m ³ (rat) dermal toxicity LD ₅₀ > 2000 mg/kg bw (rabbit) oral toxicity LD ₅₀ > 5000 mg/kg bw (rat)
Amides, C18-unsatd., N-[3-(dimethylamine)propyl]	oral toxicity LD ₅₀ > 2000 mg/kg bw (rat)

Skin corrosion/irritation: Product is classified as Skin Irrit. 2: Causes skin irritation.

SAFETY DATA SHEET

according to the European Regulation (EC) No. 1907/2006, Commission Regulation (EC) No. 2020/878

Product name: LIQUAFALT AR-RT 50A

Date of issue/revision: 2024-08-12

Issue: 5.0

Date of previous issue: 2022-02-10

Serious eye damage/irritation: Product is classified as Eye Irrit. 2: Causes serious eye irritation.

Respiratory or skin sensitization: Product is classified as Skin Sens. 1: May cause an allergic skin reaction.

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

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

Low boiling point hydrogen treated naphtha	The benzene content is <0.1%, carcinogenicity is not expected.
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Reproduction toxicity: Based on available data, the criteria for product classification are not met.

STOT – single exposure: Based on available data, the criteria for product classification are not met.

STOT – repeated exposure: Product is classified as STOT RE 1: Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard: Based on available data, the criteria for product classification are not met.

11.2 Information on other hazards

The product does not contain substances that have been identified as endocrine disruptor in relation to human health.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Based on the available acute and chronic toxicity data for the individual components, the product was classified as hazardous to the aquatic environment with the phrase H411.

Low boiling point hydrogen treated naphtha	<p>Acute toxicity algae NOEC (72 h) 3.1 mg/L, Pseudokirchnerella subcapitata fish LL₅₀ (96 h) 8.2 mg/L, Pimephales promelas invertebrates EL₅₀ (48 h) 4.5 mg/L, Daphnia magna</p> <p>Chronic toxicity fish NOEL (14 d) 2.6 mg/L, Pimephales promelas invertebrates NOEC (21 d) 2.6 mg/L, Daphnia magna</p>
Amides, C18-unsatd., N-[3-(dimethylamine)propyl]	<p>Acute toxicity algae EC₅₀ (72 h) > 0.96 mg/L, Pseudokirchnerella subcapitata, OECD TG 201 fish LC₅₀ (96 h) 0.94 mg/L, Danio Rerio, OECD TG 203 microorganisms microorganisms EC₅₀ (3 h) 192 mg/L, OECD TG 209 invertebrates EC₅₀ (48 h) 0.28 mg/L, Daphnia magna, OECD TG 202</p> <p>Chronic toxicity invertebrates EC₁₀ (21 d) 0.07 mg/L, Daphnia magna, OECD TG 211 invertebrates NOEC (21 d) 0.048 mg/L, Daphnia magna, OECD TG 211</p>
Distillates (petroleum), light hydrocracked	<p>Acute toxicity algae LL₅₀ (72 h) 22 mg/L fish LL₅₀ (96 h) 21 mg/L invertebrates EL₅₀ (48 h) 68 mg/L</p> <p>Chronic toxicity fish NOEL (14 d) 0.083 mg/L invertebrates NOEL (21 d) 0.21 mg/L</p> <p>Toxicity microorganisms microorganisms LL₅₀ (72 h) 15.41 mg/L</p>

12.2 Persistence and degradability

It is not readily biodegradable.

12.3 Bioaccumulative potential

Not determined. Based on the log P o/w value of similar products, a very low can be expected.

SAFETY DATA SHEET

according to the European Regulation (EC) No. 1907/2006, Commission Regulation (EC) No. 2020/878

Product name: LIQUAFALT AR-RT 50A

Date of issue/revision: 2024-08-12

Issue: 5.0

Date of previous issue: 2022-02-10

12.4 Mobility in soil

Not expected.

12.5 Results of PBT and vPvB assessment

The product does not contain persistent, bioaccumulative and toxic substances or very persistent and very bioaccumulative substances according to the criteria in Annex XIII. EC Regulation (PBT, vPvB) at a concentration of 0.1% b.w. or higher.

12.6 Endocrine disrupting properties

The product does not contain substances that have been included in a list drawn up in accordance with Article 59 (1) that have endocrine disrupting properties, nor substances that have been identified as endocrine disruptors in accordance with the criteria set out in Commission Regulation delegated powers (EU) 2017/2100 or in Commission Regulation (EU) 2018/605 in a concentration of 0.1% b.w. or more.

12.7 Other adverse effects

Not expected.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Substance disposal procedures: Do not dispose of together with municipal waste. Do not dispose of waste through sewers. Waste, impaired product or unused/surplus product must be handed over to the person authorised for waste disposal according to the local law.

Waste Code: N 05 01 17, in sorbent: N 15 02 02

Contaminated packaging disposal procedures: The containers with product residua must be placed on the place specified by the municipal authorities or handed over to the person authorised for waste disposal.

Code of contaminated packing: N 15 01 10

Waste legislation:

Directive 2008/98/EC on waste and repealing certain Directives

Directive 94/62/EC on packaging and packaging waste

SECTION 14: TRANSPORT INFORMATION

Nomenclature and labelling according to the European Agreement concerning the International Carriage of Dangerous Goods, Road (ADR)/Rail (RID)

14.1 UN number or ID number

UN 1139

14.2 UN proper shipping name

COATING SOLUTION

14.3 Transport hazard class(es)

Hazard class: 3

Classification code F1

Hazard identification No.: 30

Safety label: 3



14.4 Packing group

SAFETY DATA SHEET

according to the European Regulation (EC) No. 1907/2006, Commission Regulation (EC) No. 2020/878

Product name: LIQUAFALT AR-RT 50A

Date of issue/revision: 2024-08-12

Issue: 5.0

Date of previous issue: 2022-02-10

III

14.5 Environmental hazards

Yes.

**14.6 Special precautions for user**

Transport category: 3

Limited quantities: 5 L None.

14.7 Maritime transport in bulk according to IMO instruments

It is not intended for bulk transport according to these regulations.

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- ✓ Regulation (EU) No. 2015/830 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REAC)
- ✓ Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP)
- ✓ Commission Regulation (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006

15.2 Chemical safety assessment

The chemical safety assessment for the mixture has not been made.

SECTION 16: OTHER INFORMATION**Standard safety phrases (H-phrases) used in the safety data sheet:**

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H290 May be corrosive to metals.

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H361d Suspected of damaging the unborn child.

H361f Suspected of damaging fertility.

H372 Causes damage to organs through prolonged or repeated exposure.

H373 May cause damage to organs through prolonged or repeated exposure.

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.

Additional safety phrases (EUH-phrases) used in the safety data sheet: None.

Safe handling instructions (P-phrases) used in the safety data sheet:

P102 Keep out of reach of children

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

P260 Do not breathe fume and spray

SAFETY DATA SHEET

according to the European Regulation (EC) No. 1907/2006, Commission Regulation (EC) No. 2020/878

Product name: LIQUAFALT AR-RT 50A

Date of issue/revision: 2024-08-12

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Date of previous issue: 2022-02-10

P262 Do not get in eyes, on skin, or on clothing.

P273 Avoid release to the environment

P280 Wear protective gloves, protective clothing, eye and face protection.

P301+P310+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P370+P378 In case of fire: Use aeromechanical foam for extinction.

Other information important for the safety and health of humans

The product must not be used for any purpose other than those specified in sections 1 and 7 without the manufacturer's / importer's specific consent. The user is responsible for compliance with all relevant health protection regulations.

Abbreviations used in the safety data sheet

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
Aquatic Chronic	Hazardous to the aquatic environment
Asp. Tox.	Aspiration toxicity
ATE	Estimation of acute toxicity
Carc.	Carcinogenicity
CLP	Regulation (EC) No 1272/2008 on Classification, Labeling and Packaging of substances and mixtures
DNEL	Derived no-effect level
EC ₅₀	Concentration of the substance at which 50% of the population is affected
Eye Dam./Irrit.	Eye Damage / Irritation
Flam. Liq.	Flammable Liquid
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
LC ₅₀	Median lethal dose
LD ₅₀	Median lethal dose
Log Kow	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution from Ships
Mutag.	Mutagenicity
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
NOEL	No Observed Effect Concentration
OECD TG	OECD Guidelines for the Testing of Chemicals
PBT	Persistent, bioaccumulative and toxic
PNEC	Predicted no-effect concentration
Repr.	Reproductive toxicity
RID	European treaty on the international transport of hazardous substances by rail
Skin Corr./Irrit./Sens.	Skin Corrosion/ Irritation/ Sensitisation
STEL	Short-term exposure limits
STOT RE	Specific target organ toxicity – repeated exposure
STOT SE	Specific target organ toxicity – single exposure
TWA	Time-weighted average exposure limit
UVCB	Compounds of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Highly persistent and highly bioaccumulative

Training

The user is obliged to get acquainted with the safety precautions relating to the product handling / treatment and complete applicable trainings at the workplace before he/she starts to work with the product.

Information about changes from the previous version

- ✓ Correction of safety label in section 14.

SAFETY DATA SHEET

according to the European Regulation (EC) No. 1907/2006, Commission Regulation (EC) No. 2020/878

Product name: LIQUAFALT AR-RT 50A

Date of issue/revision: 2024-08-12

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Statement: The Safety Data Sheet has been prepared in accordance with REACH Regulation (EC) No 1907/2006. It contains the data that are needed to ensure safety and health at work and environmental protection. These data do not replace the quality specification and cannot be considered as a guarantee of the suitability and usability of this product for a specific application. These data correspond to the current state of knowledge and experience and are in accordance with our valid legal regulations. The customer is responsible for compliance with the applicable re-gional legislation.