

In accordance with Directive 1907/2006/EC,2020/878  
Version 8.3 Revision date: 29-11-2024  
Trade name: Red liquid Aniline

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

### 1.1 Product identification :

Product name : Liquid red aniline  
UFI : XPO2-A08K-R00J-25NQ

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

Use: Dye for industrial use, in particular for petroleum products.

Recommended restrictions on use: For industrial and professional use only.

### 1.3 Contact details for the supplier of the safety data sheet :

Responsible distributor: ASSYST sprl / A.S.O.W. sprl  
Hellegatstraat 13a  
2590 Berlaar  
Belgium  
Tel: +32 495 50 61 14 / +32 496 83 70 27  
Website: [www.assyst.org](http://www.assyst.org) / [www.artsuppliesonweb.com](http://www.artsuppliesonweb.com)  
E-mail: [ao@assyst.org](mailto:ao@assyst.org) / [vera.opsommer@assyst.org](mailto:vera.opsommer@assyst.org)

### 1.4 Emergency telephone number :

For Belgium:

Call the **Poison Control Centre (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.

NHS 24 Direct

For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

## **SECTION 2: Hazard identification**

### 2.1 Classification of the substance or mixture :

**Classification in accordance with Directive (EC) No. 1272/2008 and its amendments.**

Skin irritation, Category 2 (Skin Irrit. 2, H315).

Repeated exposure may cause skin dryness or cracking (EUH066).

Skin sensitisation, Category 1B (Skin Sens. 1B, H317).

Carcinogenicity, Category 2 (Carc. 2, H351).

Specific target organ toxicity (single exposure), Category 3 (STOT SE 3, H336).

Specific target organ toxicity (repeated exposure), Category 2 (STOT RE 2, H373).

Aspiration hazard, Category 1 (Asp. Tox. 1, H304).

Chronic toxicity to the aquatic environment, Category 2 (Aquatic Chronic 2, H411).

This mixture does not present a physical hazard. See recommendations for other products in the room.

### 2.2 Labelling elements :

**Labelling in accordance with Regulation (EC) No 1272/2008 [CLP/GHS] :**



**Danger pictograms :**

**Warning:**

**DANGER.**

**Product identifier :**

EC 919-284-0 HYDROCARBONS, C10, AROMATIC, >1% NAPHTHALENE

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EC 260-124-8 SOLVENT RED 19 SIMILAR E

**Hazard statements and additional hazard information :**

- H304 May be fatal if swallowed or enters the respiratory tract.
- H315 Causes skin irritation.
- H317 May cause skin allergy.
- H336 May cause drowsiness or dizziness.
- H351 Suspected of causing cancer .
- H373 Possible risk of serious damage to organs through repeated or prolonged exposure.
- H411 Toxic to aquatic organisms, causes long-term adverse effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.

**Safety advice - Prevention :**

- P201 Obtain instructions before use.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection/ear protection/ ...

**Safety advice - Intervention :**

- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor/...
- P308 + P313 IF exposed or suspected of being exposed: seek medical advice.
- P312 Call a POISON CENTER/ doctor/... if you feel unwell.
- P331 DO NOT induce vomiting.
- P333 + P313 If skin irritation or rash occurs: seek medical advice.

**2.3 Other hazards :**

The mixture does not contain any 'Substances of Very High Concern' (SVHC)  $\geq 0.1\%$  published by the European Chemicals Agency (ECHA) in accordance with Article 57 of REACH:  
<http://echa.europa.eu/fr/candidate-list-table>. Refer to section 3 to identify the substances concerned.  
The mixture does not meet the criteria applicable to PBT or vPvB mixtures, in accordance with Annex XIII of REACH Regulation (EC) No 1907/2006.  
The mixture does not contain substances  $\geq 0.1\%$  with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

**SECTION 3: Composition and information on ingredients**

**3.2 Mixtures :**

**Composition:**

Identification	Classification (EC) 1272/2008	Nota	%
HYDROCARBONS, C10, AROMATIC, >1% NAPHTHALENE  INDEX: SUB0559. EC: 919-284-0 REACH: 01-2119463588-24	Asp. Tox. 1, H304 STOT SE 3, H336 Carc. 2, H351 Aquatic Chronic 2, H411 EUH:066	[2]	50 $\leq$ x % < 100
SOLVENT RED 19 SIMILAR E  INDEX: SUB0920E CASE: 56358-09-9 EC: 260-124-8 REACH: 01-2119974149-26	Skin Irrit. 2, H315 Skin Sens. 1B, H317 STOT RE 2, H373 Aquatic Chronic 4, H413		25 $\leq$ x % < 50

**Information on ingredients :**

(Full text of H-phrases: see heading 16).

Note: any entry in the EC# column beginning with the number "9" is a provisional list number issued by ECHA pending publication of an official EC inventory number for the substance.  
See section 15 for further information on the CAS number of the substance.

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[2] Carcinogenic, mutagenic or reprotoxic substance (CMR).

## **SECTION 4: First aid measures**

As a general rule, if in doubt or if symptoms persist, always seek medical advice.

NEVER give anything by mouth to an unconscious person.

### **4.1 Description of first aid measures :**

#### **If inhaled :**

In the event of massive inhalation, remove patient to fresh air, keep warm and at rest.

If the person is unconscious, place them in the side-lying position.

In all cases, a doctor should be notified to assess the need for monitoring and symptomatic treatment in hospital.

If breathing is irregular or stopped, give artificial respiration and call a doctor.

#### **In case of contact with eyes :**

Rinse thoroughly with clean, fresh water for 15 minutes, holding eyelids apart.

#### **In case of skin contact :**

Remove impregnated clothing and wash skin thoroughly with soap and water or use a known cleanser.

Beware of the product remaining between the skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, consult a doctor.

If the contaminated area is extensive and/or if skin lesions appear, it is necessary to consult a doctor or have the patient transferred to hospital.

#### **If swallowed :**

Do not allow anything to be absorbed by mouth.

If swallowed, if the amount is small (no more than a mouthful), rinse out the mouth with water and seek medical advice.

Keep at rest.

Do not induce vomiting.

Call a doctor immediately and show him/her the label.

In the event of accidental ingestion, call a doctor to assess the need for monitoring and subsequent treatment in hospital, if necessary.

Show the label.

If accidentally swallowed, do not induce vomiting or give anyone anything to drink, but get medical attention immediately by ambulance.

Show the doctor the label.

### **4.2 Principal symptoms and acute and delayed effects :**

No data available.

### **4.3 Indication of immediate medical attention and special treatment required :**

No data available.

## **SECTION 5: Fire-fighting measures**

Non-flammable.

### **5.1 Extinguishing media :**

#### **Suitable extinguishing agents :**

In the event of fire, use :

- ✓ water spray or fog
- ✓ foam
- ✓ ABC multi-purpose powders
- ✓ BC powders
- ✓ carbon dioxide (CO<sub>2</sub>)
- ✓ water with AFFF additive (Floating Film Forming Agent)

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- ✓ halons

**Unsuitable extinguishing media :**

In the event of fire, do not use :

- ✓ water jet

5.2 Special hazards arising from the substance or mixture :

A fire will often produce thick black smoke. Exposure to decomposition products can pose health risks.

Do not breathe fumes.

In the event of fire, can form :

- ✓ carbon monoxide (CO)
- ✓ carbon dioxide (CO<sub>2</sub>)

5.3 Advice for firefighters :

Wear self-contained breathing apparatus.

**SECTION 6: Accidental release measures for the substance or mixture**

6.1 Personal precautions, protective equipment and emergency procedures :

Refer to the protective measures listed under headings 7 and 8.

**For non-emergency personnel**

Avoid inhaling vapours.

Avoid contact with skin and eyes.

If large quantities have been spilled, evacuate staff using only trained operators wearing protective equipment.

**For first-aiders**

Workers will be provided with appropriate personal protective equipment (see section 8).

6.2 Environmental precautions :

Contain and collect spills with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent from entering sewers or watercourses.

6.3 Methods and materials for containment and cleaning :

Clean preferably with a detergent, avoid the use of solvents.

6.4 Reference to other paragraphs :

No data available.

**SECTION 7: Handling and storage :**

The requirements for storage rooms apply to workshops where the mixture is handled.

People with a history of skin sensitisation should never handle this mixture.

7.1 Precautions for safe handling of the substance or mixture :

Wash hands after each use.

Remove and wash contaminated clothing before re-use.

Ensure adequate ventilation, especially in enclosed areas.

**Fire prevention :**

Handle in well-ventilated areas.

Never vacuum this mixture.

Prevent unauthorised access.

Take the necessary measures to prevent the build-up of electrostatic charges.

**Recommended equipment and procedures :**

For personal protection, see section 8.

Observe the precautions indicated on the label and occupational health and safety regulations.

Avoid inhaling vapours. Carry out any suitable industrial operations in enclosed spaces.

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Vapours should be extracted from the source of emission and the premises should be generally ventilated.

Respiratory protective equipment should also be provided for certain short-duration, exceptional or emergency jobs.

In all cases, capture emissions at source.

Avoid exposure - obtain special instructions before use.

Opened packs must be carefully resealed and stored in an upright position.

#### **Prohibited equipment and procedures :**

It is forbidden to smoke, eat or drink on the premises where the mixture is used.

#### 7.2 Conditions for safe storage, including incompatibles :

No data available.

#### **Storage**

Keep container tightly closed in a dry, well-ventilated place.

Keep away from food, drink and animal feed.

The floor of the premises will be impermeable and will form a retention basin so that, in the event of an accidental spill, the liquid cannot spread outside.

#### **Packaging**

Always keep in packaging of the same material as the original.

#### 7.3 Specific end use :

No data available.

### **SECTION 8: Exposure controls/personal protection measures**

#### 8.1 Control parameters :

No data available.

#### **Derived No Effect Level (DNEL) or Derived Minimum Effect Level (DMEL)**

SOLVENT RED 19 SIMILAR E (CAS: 56358-09-9)

End use : Workers

Route of exposure: Skin contact

Potential health effects: Long-term systemic effects

DNEL: 0.53 mg/kg body weight/day

Route of exposure: Inhalation

Potential health effects: Long-term systemic effects

DNEL: 1.88 mg substance/m<sup>3</sup>

End use : Consumers

Route of exposure: Ingestion

Potential health effects: Long-term systemic effects

DNEL: 0.27 mg/kg body weight/day

Route of exposure: Skin contact

Potential health effects: Long-term systemic effects

DNEL: 0.27 mg/kg body weight/day

Route of exposure: Inhalation

Potential health effects: Long-term systemic effects

DNEL: 0.46 mg substance/m<sup>3</sup>

HYDROCARBONS, C10, AROMATIC, >1% NAPHTHALENE

End use : Workers

Route of exposure: Skin contact

Potential health effects: Long-term systemic effects

DNEL: 12.5 mg/kg body weight/day

Route of exposure: Inhalation

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Potential health effects: Long-term systemic effects

DNEL: 151 mg substance/m<sup>3</sup>

End use : Humans exposed via the environment

Route of exposure: Ingestion

Potential health effects: Long-term systemic effects

DNEL: 7.5 mg/kg body weight/day

Route of exposure: Skin contact

Potential health effects: Long-term systemic effects

DNEL: 7.5 mg/kg body weight/day

Route of exposure: Inhalation

Potential health effects: Long-term systemic effects

DNEL: 32 mg substance/m<sup>3</sup>

## 8.2 Exposure control measures :

### **Personal protection measures, such as personal protective equipment**

Pictogram(s) requiring personal protective equipment (PPE) to be worn :



Use personal protective equipment that is clean and properly maintained.

Store personal protective equipment in a clean place away from the work area.

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

Ensure adequate ventilation, especially in enclosed areas.

#### **Eye / face protection**

Avoid contact with eyes.

Use eye protection designed to protect against liquid splashes.

Before any handling, safety goggles complying with standard NF EN166 must be worn.

#### **Hand protection**

Use appropriate chemical-resistant protective gloves complying with EN ISO 374-1.

Gloves should be selected according to the application and the duration of use at the workstation.

Protective gloves must be chosen to suit the workstation: other chemicals that may be handled, physical protection required (cuts, punctures, thermal protection), dexterity required.

#### Type of gloves recommended :

- ✓ PVA (Polyvinyl alcohol)

#### **Body protection**

Avoid contact with skin.

Wear suitable protective clothing.

Type of suitable protective clothing :

In the event of strong splashes, wear liquid-tight chemical protective clothing (type 3) complying with standard NF EN14605/A1 to avoid any contact with the skin.

If there is a risk of splashes, wear chemical protective clothing (type 6) complying with standard NF EN13034/A1 to avoid any contact with the skin.

Staff must wear regularly laundered work clothes.

After contact with the product, all soiled parts of the body should be washed.

#### **Respiratory protection**

Avoid inhaling vapours.

In the event of inadequate ventilation, wear suitable respiratory equipment.

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When workers are confronted with concentrations above the exposure limits, they must wear appropriate, approved respiratory protection.

Class :

✓ FFP2

Gas and vapour filter(s) (combined filters) compliant with standard NF EN14387/A1 :

✓ A1 (Brown)

### **SECTION 9: Physical and chemical properties**

#### **9.1 Information on basic physical and chemical properties :**

##### **Physical condition**

Physical State : Liquid Fluid.

Colour : Red

##### **Odour**

Olfactory threshold : Not specified.

##### **Melting point**

Melting point/melting range : Not specified.

Freezing point/interval : Not specified.

Boiling point/boiling range : Not specified.

##### **Flammability**

Flammability (solid, gas) : Not specified.

##### **Upper and lower explosion limits**

Explosion hazards, lower explosion limit (%) : Not specified.

Explosion hazards, upper explosion limit (%) : Not specified.

##### **Flash point**

Flash point range : 60°C < PE <= 93°C

##### **Auto-ignition temperature**

Auto-ignition point/range : Not specified.

##### **Decomposition temperature**

Decomposition point/range : Not specified.

##### **pH**

pH : Not relevant.

pH in aqueous solution : Not specified.

##### **Kinematic viscosity**

Viscosity : Not specified.

Viscosity : 7 mm<sup>2</sup>/s <= v <= 14 mm<sup>2</sup>/s (40°C)

##### **Solubility**

Water solubility : Insoluble.

Liposolubility : Not specified.

##### **Partition coefficient n-octanol/water (log value)**

Partition coefficient n-octanol/water : Not specified.

##### **Vapour pressure**

Vapour pressure (50°C) : Not applicable.

##### **Density and/or relative density**

Density : < 1

##### **Relative vapour density**

Vapour density : Not specified.

#### **9.2. Other information**

No data available.

#### **Information concerning physical hazard classes**

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No data available.

#### **Other safety features**

No data available.

### **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity :

No data available.

#### 10.2. Chemical stability

This mixture is stable under the handling and storage conditions recommended in section 7.

#### 10.3 Possibility of dangerous reactions

Exposed to high temperatures, the mixture may release dangerous decomposition products such as carbon monoxide and dioxide, fumes and nitrogen oxide.

#### 10.4 Conditions to avoid

No data available.

#### 10.5. Incompatible materials

No data available.

#### 10.6 Hazardous decomposition products

Thermal decomposition may release/form :

- ✓ carbon monoxide (CO)
- ✓ carbon dioxide (CO<sub>2</sub>)

### **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects :

Exposure to the solvent vapours contained in the mixture in excess of the indicated exposure limits may lead to adverse health effects, such as irritation of the mucous membranes and respiratory system, kidney, liver and central nervous system disorders.

Symptoms include headaches, dizziness, vertigo, fatigue, muscular weakness and, in extreme cases, loss of consciousness.

May cause reversible skin lesions, such as inflammation of the skin or the formation of erythema, eschar or oedema, following exposure for up to four hours.

Prolonged or repeated contact with the mixture may remove the natural fat from the skin, causing non-allergic contact dermatitis and absorption through the epidermis.

Splashes in the eyes may cause irritation and reversible damage.

Narcotic effects may occur, such as drowsiness, narcosis, reduced alertness, loss of reflexes, lack of coordination or dizziness.

They can also take the form of violent headaches or nausea, and can lead to impaired judgement, dizziness, irritability, fatigue or memory problems.

May cause an allergic reaction on contact with the skin.

Suspected carcinogenic effect in humans.

Suspected risk of serious damage to organs through repeated or prolonged exposure.

Aspiration toxicity can lead to serious acute effects, such as chemical pneumonitis, varying degrees of lung damage and even death as a result of aspiration.

#### **Acute toxicity**

##### SOLVENT RED 19 SIMILAR E (CAS: 56358-09-9)

Oral: LD50 2000 mg/kg body weight/day

Dermal: LD50 2000 mg/kg body weight/day

##### HYDROCARBONS, C10, AROMATIC, >1% NAPHTHALENE

Oral: LD50 > 5000 mg/kg body weight/day

Species : Rat

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OECD Guideline 401 (Acute oral toxicity)  
Dermal: LD50 > 2000 mg/kg body weight/day  
Species: Rabbit

OECD Guideline 402 (Acute Dermal Toxicity)  
By inhalation (Vapours): LC50 > 4688 mg/m<sup>3</sup>  
Species : Rat

#### **Skin corrosion/irritation**

HYDROCARBONS, C10, AROMATIC, >1% NAPHTHALENE

Irritation: Average score = 1

Effect observed: Erythema

Species: Rabbit

Exposure time: 24 h

OECD Guideline 404 (Acute irritant/corrosive effect on the skin.)

#### **Serious eye damage/eye irritation**

No data available

#### **Respiratory and skin sensitisation**

No data available

#### **Germ cell mutagenicity**

HYDROCARBONS, C10, AROMATIC, >1% NAPHTHALENE

Mutagenesis (in vitro): Negative.

Species : Bacteria

OECD Guideline 471 (Bacterial reverse mutation assay)

Ames test (in vitro): Negative.

Species: S. typhimurium TA1535

#### **Carcinogenicity**

HYDROCARBONS, C10, AROMATIC, >1% NAPHTHALENE

Carcinogenicity test: Positive.

Suspected carcinogenic effect in humans.

#### **Reproductive toxicity**

HYDROCARBONS, C10, AROMATIC, >1% NAPHTHALENE

No toxic effect on reproduction

Fertility study: Species: Rat

Other guidelines

Developmental study: Species: Rat

OECD Guideline 416 (Reproductive toxicity study on two animals)  
generations)

#### **Specific toxicity for certain target organs - single exposure**

No data available

#### **Specific toxicity for certain target organs - repeated exposure**

HYDROCARBONS, C10, AROMATIC, >1% NAPHTHALENE

Oral: C 300 mg/kg body weight/day

Species : Rat

Exposure period: 90 days

OECD Guideline 408 (Repeated-dose oral toxicity - rodents: 90 days)

#### **Aspiration hazard**

Product :

May be fatal if swallowed or enters the respiratory tract.

Aspiration toxicity can lead to serious acute effects, such as chemical pneumonitis, varying degrees of lung damage and even death as a result of aspiration.

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## 11.2 Additional information

### **Hormone disrupting properties :**

The substance/mixture does not contain any components suspected of having endocrine disrupting properties in accordance with Article 57(f) of the REACH Regulation or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in a concentration of 0.1% or more.

## **SECTION 12: Ecological information**

Toxic to aquatic organisms, causes long-term effects.

Any spillage of the product into sewers or watercourses must be avoided.

### 12.1 Toxicity :

#### **Product :**

No aquatic toxicity information is available on the mixture.

#### **Components :**

##### SOLVENT RED 19 SIMILAR E (CAS: 56358-09-9)

Toxicity for fish: LC50 100 mg/l

Species: Poecilia reticulata

Exposure time: 96 h

Toxicity to crustaceans: EC50 100 mg/l

Species : Daphnia magna

Exposure time: 48 h

Toxicity to algae: ECr50 100 mg/l

Species: Desmodesmus subspicatus

Exposure time: 72 h

### 12.2 Persistence and degradability :

#### **Components :**

##### SOLVENT RED 19 SIMILAR E (CAS: 56358-09-9)

Biodegradation: No data on degradability is available, the substance is considered not to be rapidly degrading.

##### HYDROCARBONS, C10, AROMATIC, >1% NAPHTHALENE

Biodegradation: No data on degradability is available, the substance is considered not to be rapidly degrading.

### 12.3 Bioaccumulation :

No data available.

### 12.4 Mobility in soil :

No data available.

### 12.5 Results of PBT and vPvB assessment :

This substance or mixture does not contain any components that may be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or more.

### 12.6 Endocrine disrupting properties

Assessment: The substance/mixture does not contain constituents suspected of having endocrine disrupting properties according to Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in a concentration of 0.1% or more.

### 12.7 Other side effects :

No data available.

## **SECTION 13: Disposal instructions**

Appropriate waste management of the mixture and/or its container must be determined in accordance with the provisions of Directive 2008/98/EC.

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### 13.1 Methods of waste disposal :

Do not empty into drains or waterways.

#### **Waste :**

Waste is managed without endangering human health or harming the environment, and in particular without creating a risk for water, air, soil, fauna or flora.

Recycle or dispose of in accordance with current legislation, via a collection point or approved company.

Do not contaminate soil or water with waste or dispose of it in the environment.

#### **Soiled packaging :**

Empty the container completely. Keep the label on the container.

Send to an approved waste disposal site.

#### **Waste codes (Decision 2014/955/EC, Directive 2008/98/EEC on hazardous waste) :**

15-01-10\*: packaging containing residues of or contaminated by dangerous substances.

07-07-04\*: other organic solvents, washing liquids and mother liquors.

## **SECTION 14: Transport information**

Transport the product in accordance with the provisions of ADR for road transport, RID for rail transport, IMDG for sea transport and ICAO/IATA for air transport (ADR 2021 - IMDG 2020 [40-20] - ICAO/IATA 2022 [63]).

### 14.1 UN number

ADR/RID/ADN: UN 3082

IMDG: UN 3082

IATA: UN 3082

### 14.2 Proper shipping name according to UN Model Regulations

ADR/RID/ADN: ENVIRONMENTALLY HAZARDOUS LIQUID, N.O.S.  
(hydrocarbons, c10, aromatic, >1% naphthalene)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(hydrocarbons, c10, aromatic, >1% naphthalene)

IATA : Environmentally hazardous substance, liquid, n.o.s.  
(hydrocarbons, c10, aromatic, >1% naphthalene)

### 14.3 Transport hazard class(es)

ADR/RID/ADN: 9

IMDG: 9

IATA: 9

### 14.4 Packaging group

#### **ADR/RID/ADN**

Packaging group: III

Classification code: M6

Hazard identification number: 90

Tags : 9

Tunnel restriction code: -

Notes : ADR: These substances, when carried in single or combination packagings containing a net quantity per single or inner packaging less than or equal to 5 litres for liquids or having a net mass per single or inner packaging less than or equal to 5 kg for solids, are not subject to any other provision of the ADR, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

#### **IMDG**

Packaging group: III

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Tags : 9  
EmS code: F-A, S-F  
Limited quantity: 5 L  
EQ : E1  
Notes : IMDG code segregation group - none  
IMDG: Marine pollutants packed in single or combination packagings containing a net quantity per single or inner packaging of 5 litres or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids are not subject to any other provisions of this Code relating to marine pollutants, provided that the packagings comply with the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. In the case of marine pollutants which also meet the criteria for inclusion in another hazard class, all the provisions of this Code relating to additional hazards continue to apply.

## IATA (Cargo)

Packaging requirements (cargo aircraft): 964  
Packaging group: III  
Tags : Miscellaneous  
Limited quantity: 5 L  
EQ : E1  
Notes : IATA: These substances, when carried in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass of 5 kg or less for solids, are not subject to any other provisions of these regulations, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

## IATA (passengers)

Packaging requirements (passenger aircraft): 964  
Packaging requirements (LQ): Y964  
Packaging group: III  
Tags : Miscellaneous

## 14.5 Environmental risks

### ADR/RID/AND

Environmental risk: yes

### IMDG

Marine pollution: yes

### IATA

Dangerous for the environment: yes

## 14.6 Special precautions for the user

### Notes :

The transport of dangerous goods, including loading and unloading, must be carried out in accordance with the regulations by personnel who have received the necessary training.

The transport classification(s) given in this document are for information purposes only and are based solely on the properties of the unpackaged product as described in this safety data sheet. Transport classifications may vary according to mode of transport, packaging size and variations in regional or national regulations.

## 14.7 Transport in bulk in accordance with Annex II of MARPOL 73/78 and the IBC Code.

Not applicable to the product as delivered.

In accordance with Directive 1907/2006/EC,2020/878  
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## **SECTION 15: Legal information**

### **15.1 Safety, health and environmental regulations and legislation specific to the substance or mixture :**

This safety data sheet complies with the requirements of Regulation (EC) No 1272/2008.

### **Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances:**

Not applicable.

### **Other regulations :**

Note Directive 94/33/EC on the protection of young people at work.

### **15.2 Chemical safety assessment :**

No data available.

## **SECTION 16: Other information**

### **Full text of statements H**

H304	May be fatal if swallowed or enters the respiratory tract.
H315	Causes skin irritation.
H317	May cause skin allergy.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer .
H373	Suspected risk of serious damage to organs through repeated or prolonged exposure .
H411	Toxic to aquatic organisms, causes long-term adverse effects.
H413	May be harmful to aquatic organisms in the long term.
EUH066	Repeated exposure may cause skin dryness or cracking.

### **Full text of other abbreviations**

LD50 :	The dose of a substance tested resulting in 50% lethality over a given period.
LC50 :	The concentration of a tested substance causing 50% lethality over a given period.
EC50:	The effective concentration of substance that causes 50% maximum reaction.
ECr50 :	The effective concentration of substance that causes a 50% reduction in growth rate.
REACH :	Registration, Evaluation, Authorisation and Restriction of Chemicals.
DNEL :	Derived No-Effect Level.
CMR :	Carcinogenic, mutagenic or reprotoxic.
UFI :	Unique formulation identifier.
ADR :	European Agreement concerning the International Carriage of Dangerous Goods by Road.
IMDG :	International Maritime Dangerous Goods.
IATA :	International Air Transport Association.
ICAO :	International Civil Aviation Organization.
RID :	Regulations concerning the International carriage of Dangerous goods by rail.
WGK :	Wassergefahrdungsklasse (Water Hazard Class).
PBT :	Persistent, bioaccumulative and toxic.
vPvB :	Very persistent and very bioaccumulative.
SVHC :	Substance of Very High Concern.

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road (ADR Agreement); AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Association for the Testing of Materials; bw - Body Weight; CLP - Regulation on Classification, Labelling and Packaging; Regulation (EC) No 1272/2008; CMR - Carcinogenic, mutagenic or toxic to reproduction; DIN - German Standard or Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-

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Number - EINECS Number; ECx - Concentration associated with a response of x%; ELx - Loading capacity associated with a response of x%; EMS - Emergency Schedule; ENCS - Existing and New Chemicals (Japan); ErCx - Concentration associated with a growth response of x%; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - IMO International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk; IC50 - Intermediate Inhibitory Concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory List of Existing Chemicals in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korean Inventory of Existing Chemicals; LC50 - Lethal concentration for 50% of a tested population; LD50 - Lethal dose for 50% of a tested population (median lethal dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.n.o.s. - Not Otherwise Specified; NO(A)EC - No discernible (negative) effect on concentration; NO(A)EL - No discernible (negative) effect on level; NOELR - No discernible effect on carrying capacity; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic; PICCS - Philippine Inventory of Chemicals and Substances; (Q)SAR - Quantitative Structure-Activity Relationships; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH); RID - Regulation concerning the International Carriage of Dangerous Goods by Rail (RID); SADT - Self-accelerating decomposition temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwanese Inventory of Chemical Substances; TECl - Inventory of Chemical Substances Existing in Thailand; TRGS - Technical Regulation on Hazardous Substances; TSCA - Toxic Substances Control Act (USA); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative.

## More information

Training advice :

Provide appropriate information, instructions and training for users.

The information contained in this safety data sheet is correct to the best of our knowledge at the date of issue indicated. This information is intended solely as a guide to safe handling, use, processing, storage, transport, disposal and rejection and should not be regarded as a guarantee or indication of quality.