

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



TESSAROL ALU BRONZE

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 17.06.2021 |
| 1.2 | 03.02.2023 | MAT000409336 | Date of first issue: 16.12.2020 |
| | | GB/EN | |

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

1.1 Product identifier

Trade name : TESSAROL ALU BRONZE

Product code : 40933632

Unique Formula Identifier (UFI) : PD40-E0PY-N00Q-K5MH

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

Use of the Sub-
stance/Mixture : Building and construction work
Professional and consumer use of coatings, Roller application
or brushing, Non industrial spraying
Coatings and paints, thinners, paint removers

1.3 Details of the supplier of the safety data sheet

Company : Helios TBLUS d.o.o.
Količevo 65
1230 Domžale
Slovenia

Telephone Company : 386 (1) 722 4383

Telefax Company : 386 (1) 722 4310

Responsible/issuing person : 386 (1) 722 4383
productsafety@helios.si

1.4 Emergency telephone number

Call 999 (or 112) for emergency medical attention

professionals only: National Poison Information Service (NPIS) 24h national number 0844 892
0111

consumer: National Health Service (NHS) 24h national number, England & Scotland 111

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

| | |
|--|--|
| Flammable liquids, Category 2 | H225: Highly flammable liquid and vapour. |
| Skin irritation, Category 2 | H315: Causes skin irritation. |
| Reproductive toxicity, Category 2 | H361d: Suspected of damaging the unborn child. |
| Specific target organ toxicity - single exposure, Category 3, Central nervous system | H336: May cause drowsiness or dizziness. |
| Specific target organ toxicity - repeated exposure, Category 2 | H373: May cause damage to organs through prolonged or repeated exposure. |
| Long-term (chronic) aquatic hazard, Category 3 | H412: Harmful to aquatic life with long lasting effects. |

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms :



Signal word : Danger

Hazard statements :

- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statements :

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.

Prevention:

- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P260 Do not breathe mist or vapours.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

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Response:

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

toluene

Hydrocarbons, C9 aromatics

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

| Chemical name | CAS-No. EC-No. Index-No. Registration number | Classification | Concentration (% w/w) |
|--|---|---|--------------------------|
| toluene | 108-88-3 203-625-9 601-021-00-3 01-2119471310-51 | Flam. Liq. 2; H225 Skin Irrit. 2; H315 Repr. 2; H361d STOT SE 3; H336 (Central nervous system) STOT RE 2; H373 Asp. Tox. 1; H304 Aquatic Chronic 3; H412 | >= 50 - < 70 |
| hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics | - 918-481-9 01-2119457273-39 | Asp. Tox. 1; H304 | >= 1 - < 10 |
| Hydrocarbons, C9 aromatics | - 918-668-5 01-2119455851-35 | Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system) STOT SE 3; H335 (Respiratory system) | >= 2,5 - < 10 |

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| | | | |
|--|--|---|--|
| | | Asp. Tox. 1; H304 Aquatic Chronic 2; H411 | |
|--|--|---|--|

SECTION 4: First aid measures

4.1 Description of first aid measures

- | | |
|-------------------------|---|
| General advice | : Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended. |
| If inhaled | : Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice. |
| In case of skin contact | : If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes. |
| In case of eye contact | : Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. |
| If swallowed | : Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital. |

4.2 Most important symptoms and effects, both acute and delayed

- | | |
|-------|--|
| Risks | : Causes skin irritation. May cause drowsiness or dizziness. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure. |
|-------|--|

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1 Extinguishing media

- | | |
|------------------------------|--|
| Suitable extinguishing media | : Alcohol-resistant foam Carbon dioxide (CO ₂) Special powder against metal fire Dry chemical |
|------------------------------|--|

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Unsuitable extinguishing media : Water
High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
For safety reasons in case of fire, cans should be stored separately in closed containments.
Use a water spray to cool fully closed containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Ensure adequate ventilation.
Remove all sources of ignition.
Evacuate personnel to safe areas.
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Do not flush with water.

6.4 Reference to other sections

For disposal considerations see section 13., For personal protection see section 8.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Advice on safe handling : Avoid formation of aerosol.
Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Take precautionary measures against static discharges.
Provide sufficient air exchange and/or exhaust in work rooms.
Open drum carefully as content may be under pressure.
Dispose of rinse water in accordance with local and national regulations.
- Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material.
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.
- Hygiene measures : When using do not eat or drink. When using do not smoke.
Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.
- Advice on common storage : Never allow product to get in contact with water during storage.
- Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

- Specific use(s) : For further information, refer to the product technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Derived No Effect Level (DNEL):

| Substance name | End Use | Exposure routes | Potential health effects | Value |
|----------------|---------|-----------------|----------------------------|-----------|
| toluene | Workers | Inhalation | Long-term systemic effects | 192 mg/m3 |

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|-------------------------------|-----------|------------|----------------------------|-------------------|
| | Workers | Inhalation | Long-term local effects | 192 mg/m3 |
| | Consumers | Inhalation | Acute systemic effects | 226 mg/m3 |
| | Consumers | Inhalation | Acute local effects | 226 mg/m3 |
| aluminium powder (stabilised) | Workers | Inhalation | Long-term exposure | 3,72 mg/m3 |
| | Workers | Inhalation | Long-term local effects | 3,72 mg/m3 |
| | | Oral | Long-term systemic effects | 3,95 mg/kg bw/day |
| Hydrocarbons, C9 aromatics | Workers | Inhalation | Long-term systemic effects | 150 mg/m3 |
| | Workers | Oral | Long-term systemic effects | 150 mg/m3 |
| | Consumers | Inhalation | Long-term exposure | 32 mg/m3 |
| | Workers | Dermal | Long-term systemic effects | 25 mg/kg bw/day |
| | Consumers | Dermal | Long-term systemic effects | 11 mg/kg bw/day |

Predicted No Effect Concentration (PNEC):

| Substance name | Environmental Compartment | Value |
|-------------------------------|---------------------------|-------------------------------|
| toluene | Soil | 2,89 mg/kg dry weight (d.w.) |
| | Marine water | 0,68 mg/l |
| | Fresh water | 0,68 mg/l |
| | Marine sediment | 16,39 mg/kg dry weight (d.w.) |
| | Fresh water sediment | 16,39 mg/kg dry weight (d.w.) |
| | Sewage treatment plant | 13,61 mg/l |
| | Intermittent use/release | 0,68 mg/l |
| aluminium powder (stabilised) | Sewage treatment plant | 20 mg/l |

8.2 Exposure controls

Personal protective equipment

Eye/face protection : Safety glasses with side-shields conforming to EN166
Hand protection
Directive : Equipment should conform to EN 374

Material : Viton®
Rate of permeability : > 480 min
Protective index : Class 6

Material : PVA
Rate of permeability : > 480 min
Protective index : Class 6

Glove thickness : > 0,5 mm

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| | |
|--------------------------|--|
| Remarks | : The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. The obtained break through times according to EN 374 Part III are not measured under normal operating conditions. Therefore a maximum usage time of 50% of the break through time is recommended. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Nitrile gloves are not suitable. Take note of the information given by the producer concerning permeability, degradation and break through times, and of special work |
| Skin and body protection | : Long sleeved clothing Safety shoes |
| Respiratory protection | : In case of inadequate ventilation wear respiratory protection. |
| Filter type | : A/P2 |
| Protective measures | : Wash thoroughly after handling. Avoid contact with skin, eyes and clothing. Keep away from food, drink and animal feedingstuffs. |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|--|---|
| Appearance | : liquid |
| Colour | : in accordance with the product description |
| Odour | : solvent-like |
| Odour Threshold | : No data available |
| pH | : No data available |
| Melting point/freezing point | : -95,0 °C (calculation method (principal components, lowest value)) |
| Boiling point/boiling range | : 111 °C (calculation method (principal components, lowest value)) |
| Flash point | : 5 °C |
| Flammability (solid, gas) | : Static-accumulating flammable liquid., Combustible Solids |
| Upper explosion limit / Upper flammability limit | : 8 %(V) (calculation method (principal components, highest value)) |
| Lower explosion limit / Lower flammability limit | : 1,2 %(V) (calculation method (principal components, highest value)) |
| Vapour pressure | : 30 hPa (calculation method (principal components, highest value)) |

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(20 °C)

| | | |
|--|---|---|
| Relative vapour density | : | No data available |
| Relative density | : | No data available |
| Density | : | 0,95 - 0,98 g/cm ³ |
| Solubility(ies) | | |
| Water solubility | : | insoluble |
| Solubility in other solvents | : | Description: miscible with most organic solvents |
| Partition coefficient: n-octanol/water | : | log Pow: 2,65 (calculation method (principal components, highest value)) |
| Auto-ignition temperature | : | 480 °C (calculation method (principal components, highest value)) |
| Decomposition temperature | : | No decomposition if stored and applied as directed. Hazardous decomposition products formed under fire conditions. |
| Viscosity | | |
| Viscosity, kinematic | : | > 20,5 mm ² /s (40 °C) |
| Explosive properties | : | Not applicable |
| Oxidizing properties | : | Sustains combustion |

9.2 Other information

| | |
|-------------------|-------------------------------------|
| No data available | |
| VOC | : (Directive 2004/42/EC) 700 g/l |

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

| | | |
|---------------------|---|---|
| Hazardous reactions | : | No decomposition if stored and applied as directed. |
| | | Vapours may form explosive mixture with air. |
| | | Reacts violently with water. |

10.4 Conditions to avoid

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Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

10.6 Hazardous decomposition products

Adequate ventilation is required.

Heating can release vapours which can be ignited.

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified based on available information.

Components:

toluene:

Acute oral toxicity : LD50 Oral (Rat): > 5.000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 28 mg/l
Exposure time: 4 h
Test atmosphere: vapour

Acute dermal toxicity : LD50 (Rabbit): > 5.000 mg/kg

hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:

Acute oral toxicity : LD50 Oral (Rat, male and female): > 5.000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): > 5.000 mg/l
Test atmosphere: vapour
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 Dermal (Rabbit, male and female): > 5.000 mg/kg
Method: OECD Test Guideline 402

Hydrocarbons, C9 aromatics:

Acute dermal toxicity : LD50 (Rabbit): > 3.160 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Product:

Remarks : May cause skin irritation in susceptible persons.

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Components:

toluene:

Result : irritating

hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation
GLP : yes

Result : Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Remarks : Vapours may cause irritation to the eyes, respiratory system and the skin.

Components:

hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:

Species : Rabbit
Method : OECD Test Guideline 405
Result : No eye irritation

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:

Exposure routes : Skin contact
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Not a skin sensitizer.

Germ cell mutagenicity

Not classified based on available information.

Components:

hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:

Genotoxicity in vitro : Result: negative

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Genotoxicity in vivo : Result: negative

Carcinogenicity

Not classified based on available information.

Components:

hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:

Result : negative

Reproductive toxicity

Suspected of damaging the unborn child.

Components:

toluene:

Reproductive toxicity - Assessment : Some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments.

hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:

Effects on foetal development : Remarks: Fertility and developmental toxicity tests did not reveal any effect on reproduction.

STOT - single exposure

May cause drowsiness or dizziness.

Components:

toluene:

Assessment : May cause drowsiness or dizziness.

hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:

Remarks : Based on available data, the classification criteria are not met.

Hydrocarbons, C9 aromatics:

Assessment : May cause drowsiness or dizziness.

Assessment : May cause respiratory irritation.

STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Components:

toluene:

Assessment : May cause damage to organs through prolonged or repeated exposure.

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hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:

Remarks : Based on available data, the classification criteria are not met.

Aspiration toxicity

Not classified based on available information.

Components:

toluene:

May be fatal if swallowed and enters airways.

hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:

May be fatal if swallowed and enters airways.

Hydrocarbons, C9 aromatics:

May be fatal if swallowed and enters airways.

Further information

Product:

Remarks : Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Concentrations substantially above the TLV value may cause narcotic effects.
Solvents may degrease the skin.

SECTION 12: Ecological information

12.1 Toxicity

Components:

toluene:

Ecotoxicology Assessment

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 1.000 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other : EC50 : > 1.000 mg/l
aquatic invertebrates
Exposure time: 48 h
Method: OECD Test Guideline 202

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Toxicity to algae/aquatic plants : NOEC (Pseudokirchneriella subcapitata (microalgae)): 1.000 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

EC50 (Pseudokirchneriella subcapitata (microalgae)): > 1.000 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Hydrocarbons, C9 aromatics:

Toxicity to fish : LC50 (Fish): $\geq 9,2$ mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): $\geq 3,2$ mg/l
Exposure time: 48 h

Ecotoxicology Assessment

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

Components:

hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 80 %
Exposure time: 28 d
Method: OECD Test Guideline 301F

12.3 Bioaccumulative potential

Components:

toluene:

Partition coefficient: n-octanol/water : log Pow: 2,65

Hydrocarbons, C9 aromatics:

Partition coefficient: n-octanol/water : log Pow: < 4

12.4 Mobility in soil

Components:

Hydrocarbons, C9 aromatics:

Mobility : Medium: Air
Content: 92,9 %

: Medium: Water

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Content: 3,5 %

: Medium: Soil
Content: 1,9 %

: Medium: Sediment
Content: 1,8 %

Distribution among environmental compartments : Koc: 1,71 - 14,70
Remarks: Mobile in soils

Remarks: The product is insoluble and floats on water.

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Components:

hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

12.6 Other adverse effects

Product:

Endocrine disrupting potential : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

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According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



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Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

Waste Code : 08 01 11, waste paint and varnish containing organic solvents
or other hazardous substances

SECTION 14: Transport information

14.1 UN number

ADN : UN 1263
ADR : UN 1263
RID : UN 1263
IMDG : UN 1263
IATA : UN 1263

14.2 UN proper shipping name

ADN : PAINT
ADR : PAINT
RID : PAINT
IMDG : PAINT
IATA : Paint

14.3 Transport hazard class(es)

ADN : 3
ADR : 3
RID : 3
IMDG : 3
IATA : 3

14.4 Packing group

ADN
Packing group : II
Classification Code : F1
Hazard Identification Number : 33
Labels : 3

ADR
Packing group : II
Classification Code : F1
Hazard Identification Number : 33
Labels : 3

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Tunnel restriction code : (D/E)

RID

Packing group : II
Classification Code : F1
Hazard Identification Number : 33
Labels : 3

IMDG

Packing group : II
Labels : 3
EmS Code : F-E, S-E

IATA (Cargo)

Packing instruction (cargo aircraft) : 364
Packing instruction (LQ) : Y341
Packing group : II
Labels : Flammable Liquids

IATA (Passenger)

Packing instruction (passenger aircraft) : 353
Packing instruction (LQ) : Y341
Packing group : II
Labels : Flammable Liquids

14.5 Environmental hazards

ADN

Environmentally hazardous : no

ADR

Environmentally hazardous : no

RID

Environmentally hazardous : no

IMDG

Marine pollutant : no

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

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REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:
Number on list 3
toluene (Number on list 48)

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. P5c FLAMMABLE LIQUIDS

Volatile organic compounds : Directive 2004/42/EC
Volatile organic compounds (VOC) content: 700 g/l

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

Full text of H-Statements

| | |
|-------|--|
| H225 | : Highly flammable liquid and vapour. |
| H226 | : Flammable liquid and vapour. |
| H304 | : May be fatal if swallowed and enters airways. |
| H315 | : Causes skin irritation. |
| H335 | : May cause respiratory irritation. |
| H336 | : May cause drowsiness or dizziness. |
| H361d | : Suspected of damaging the unborn child. |
| H373 | : May cause damage to organs through prolonged or repeated exposure. |
| H411 | : Toxic to aquatic life with long lasting effects. |
| H412 | : Harmful to aquatic life with long lasting effects. |

Full text of other abbreviations

| | |
|-----------------|--|
| Aquatic Chronic | : Long-term (chronic) aquatic hazard |
| Asp. Tox. | : Aspiration hazard |
| Flam. Liq. | : Flammable liquids |
| Repr. | : Reproductive toxicity |
| Skin Irrit. | : Skin irritation |
| STOT RE | : Specific target organ toxicity - repeated exposure |
| STOT SE | : Specific target organ toxicity - single exposure |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration as-

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sociated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:

| | |
|-------------------|-------|
| Flam. Liq. 2 | H225 |
| Skin Irrit. 2 | H315 |
| Repr. 2 | H361d |
| STOT SE 3 | H336 |
| STOT RE 2 | H373 |
| Aquatic Chronic 3 | H412 |

Classification procedure:

| |
|-------------------------------------|
| Based on product data or assessment |
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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