

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH), amended by Regulation
(EC) No. 453/2010

sharkskin

Version number: GHS 1.0

Date of compilation: 2015-01-27

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

1.1 Product identifier

Trade name **Sharkskin**
Registration number (REACH) not relevant (mixture)

Other means of identification

Item code 6142/GL / 6145/GL

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

Relevant identified uses industrial use
paint

1.3 Details of the supplier of the safety data sheet

DISTRISERV
43 Rue Michel Gachet
13007 Marseille
France

Telephone: +33 (0) 9 79 58 61 00
e-mail: contact@seahawkpaints.eu

1.4 Emergency telephone number

Emergency information service Austria : +431 406 43 43;
Belgium : +070 245 245 (7 /7 24/24);
Bulgaria : +359 2 9154 409;
Czech republic tel +420 224 919 293, +420 224 915 402;
Denmark : 82 12 12 12;
Estonia : tel nationally 16662, from abroad (+372) 626 93 90;
Finland : (09) 471 977 (direct) or (09) 4711 (exchange);
France : + 33 (0)1 45 42 59 59 (7/7 24/24);
Germany : 030/19240;
Hungary : +36 1 476 6464;
Ireland : 01 8092566 or 01 8379964;
Italie : 0659943733;
Lithuania : 370 5 236 20 52 ou 370 687 53 378;
Malta : 2545 0000;
Netherlands : 030-2748888;
New zealand : 0800 764 766 or 0800 611 116;
Norway : + 47 810 20 050;
Portugal : 808 250 143;
Romania : 021.318.36.06;
Slovakia : 421 2 5477 4166;
Spain : + 34 91 562 04 20;
Sweden : 112 ou 08-331231.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

GHS chapter - Hazard class and category - Hazard statement code(s)

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| | | | | |
|------|---|--------|---------------------|------|
| 2.6 | flammable liquids | Cat. 3 | (Flam. Liq. 3) | H226 |
| 3.2 | skin corrosion/irritation | Cat. 2 | (Skin Irrit. 2) | H315 |
| 3.8D | specific target organ toxicity - single exposure (narcotic effects, drowsiness) | Cat. 3 | (STOT SE 3) | H336 |
| 3.10 | aspiration hazard | Cat. 1 | (Asp. Tox. 1) | H304 |
| 4.1A | hazardous to the aquatic environment - acute hazard | Cat. 1 | (Aquatic Acute 1) | H400 |
| 4.1C | hazardous to the aquatic environment - chronic hazard | Cat. 1 | (Aquatic Chronic 1) | H410 |

Remarks

For full text of H-phrases: see SECTION 16.

Classification according to Directive 1999/45/EC (DPD)

Indication(s) of danger - Symbol codes - R-phrases

| | |
|-------------------------------|------------|
| flammable | R10 |
| harmful | Xn; R22-65 |
| irritant | Xi; R38 |
| dangerous for the environment | N; R50-53 |
| | R67 |

Remarks

For full text of R-phrases: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources. Spillage and fire water can cause pollution of watercourses.

2.2 Label elements

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

Signal word

Danger

Pictograms

GHS02, GHS07,
GHS08, GHS09



Hazard statements

| | |
|------|---|
| H226 | Flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H336 | May cause drowsiness or dizziness. |
| H410 | Very toxic to aquatic life with long lasting effects. |

Precautionary statements

Precautionary statements - prevention

| | |
|------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P240 | Ground/bond container and receiving equipment. |
| P241 | Use explosion-proof electrical/ventilating/lighting equipment. |
| P242 | Use only non-sparking tools. |
| P243 | Take precautionary measures against static discharge. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P264 | Wash thoroughly after handling. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |

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Precautionary statements - response

P301+P310 IF SWALLOWED: immediately call a POISON CENTER or doctor/physician.
P302+P352 IF ON SKIN: Wash with plenty of water.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: remove person to fresh air and keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P331 Do NOT induce vomiting.
P332+P313 If skin irritation occurs: get medical advice/attention.
P362 Take off contaminated clothing.
P370+P378 In case of fire: Use foam to extinguish - never use water.
P391 Collect spillage.

Precautionary statements - storage

P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Precautionary statements - disposal

P501 Dispose of contents/container to industrial combustion plant.

Hazardous ingredients for labelling:

Distillates (petroleum), hydrotreated light, Solvent naphtha (petroleum), light arom.

2.3 Other hazards

Repeated exposure may cause skin dryness or cracking.















SECTION 3: Composition/information on ingredients

3.1 Substances

not relevant (mixture)

3.2 Mixtures

Description of the mixture

| Name of substance | Identifier | wt% | Classification acc. to 1272/2008/EC | Pictograms | Classification acc. to 67/548/EEC | Symbols |
|---|--|----------------|--|--|---|--|
| dicopper oxide | CAS No 1317-39-1 EC No 215-270-7 | ≥ 50 - < 75 | Acute Tox. 4 / H302 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410 |   | harmful; Xn; R22 dangerous for the environment; N; R50-53 |   |
| Solvent naphtha (petroleum), light arom. | CAS No 64742-95-6 EC No 265-199-0 | ≥ 10 - < 25 | Flam. Liq. 3 / H226 Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Aquatic Chronic 2 / H411 |     | flammable; R10 harmful; Xn; R65 irritant; Xi; R38 R67 dangerous for the environment; N; R51-53 |   |
| Distillates (petroleum), hydrotreated light | CAS No 64742-47-8 EC No 265-149-8 | ≥ 5 - < 10 | Asp. Tox. 1 / H304 |  | harmful; Xn; R65 |  |
| copper oxide | CAS No 1317-38-0 EC No 215-269-1 | ≥ 5 - < 10 | Aquatic Acute 1 / H400 Aquatic Chronic 3 / H412 |  | dangerous for the environment; N; R50 |  |





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| Name of substance | Identifier | wt% | Classification acc. to 1272/2008/EC | Pictograms | Classification acc. to 67/548/EEC | Symbols |
|-------------------|--|-----|--|--|---|--|
| ethylbenzene | CAS No 100-41-4 EC No 202-849-4 | < 1 | Flam. Liq. 2 / H225 Acute Tox. 4 / H332 |   | highly flammable; F; R11 harmful; Xn; R20 |   |

For full text of abbreviations: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Narcotic effects.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

water spray, alcohol resistant foam, BC-powder, carbon dioxide (CO₂)

Unsuitable extinguishing media

water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture. Solvent vapours are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

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Hazardous combustion products

nitrogen oxides (NO_x), carbon monoxide (CO), carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose it.

6.3 Methods and material for containment and cleaning up

Advices on how to contain a spill

Covering of drains.

Advices on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage (sawdust, kieselgur (diatomite), sand, universal binder).

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

• Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools.

• Warning

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours may form explosive mixtures with air.

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Advice on general occupational hygiene

Wash hands after use. Do not to eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- **Explosive atmospheres**

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- **Flammability hazards**

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

Incompatible substances or mixtures

Observe hints for combined storage.

Consideration of other advice

- **Ventilation requirements**

Use local and general ventilation. Ground/bond container and receiving equipment.

- **Packaging compatibilities**

Only packagings which are approved (e.g. acc. to ADR) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits)

| Country | Name of agent | CAS No | Identifier | TWA A [ppm] | TWA [mg/m ³] | STEL L [ppm] | STEL [mg/m ³] | Source | wt% |
|---------|---------------|----------|------------|-------------------|-----------------------------|--------------------|------------------------------|------------|-----|
| EU | ethylbenzene | 100-41-4 | IOELV | 100 | 442 | 200 | 884 | 2000/39/EC | < 1 |
| UK | ethylbenzene | 100-41-4 | WEL | 100 | 441 | 125 | 552 | EH40/2005 | < 1 |

Notation

STEL Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period unless otherwise specified

TWA Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average

Relevant DNELs/DMELs/PNECs and other threshold levels

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• relevant PNECs of components of the mixture

| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
|-------------------|-----------|-----------|-----------------|-----------------------|------------------------------|------------------------------|
| dicopper oxide | 1317-39-1 | PNEC | 7.8 µg/l | aquatic organisms | freshwater | short-term (single instance) |
| dicopper oxide | 1317-39-1 | PNEC | 5.2 µg/l | aquatic organisms | marine water | short-term (single instance) |
| dicopper oxide | 1317-39-1 | PNEC | 230 µg/l | microorganisms | sewage treatment plant (STP) | short-term (single instance) |
| dicopper oxide | 1317-39-1 | PNEC | 87 mg/kg | benthic organisms | sediments | short-term (single instance) |
| dicopper oxide | 1317-39-1 | PNEC | 676 mg/kg | pelagic organisms | sediments | short-term (single instance) |
| dicopper oxide | 1317-39-1 | PNEC | 65 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| copper oxide | 1317-38-0 | PNEC | 7.8 µg/l | aquatic organisms | freshwater | short-term (single instance) |
| copper oxide | 1317-38-0 | PNEC | 5.2 µg/l | aquatic organisms | marine water | short-term (single instance) |
| copper oxide | 1317-38-0 | PNEC | 230 µg/l | microorganisms | sewage treatment plant (STP) | short-term (single instance) |
| copper oxide | 1317-38-0 | PNEC | 87 mg/kg | benthic organisms | sediments | short-term (single instance) |
| copper oxide | 1317-38-0 | PNEC | 676 mg/kg | pelagic organisms | sediments | short-term (single instance) |
| copper oxide | 1317-38-0 | PNEC | 65 mg/kg | terrestrial organisms | soil | short-term (single instance) |

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

• hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

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• other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

| | |
|----------------|--|
| Physical state | liquid |
| Colour | blue for ref 6142/GL - black for ref 6145/GL |
| Odour | characteristic |

Other physical and chemical parameters

| | |
|---|--|
| pH (value) | not determined |
| Melting point/freezing point | not determined |
| Initial boiling point and boiling range | not determined |
| Flash point | 38 °C (determination of flash point - rapid equilibrium closed cup method) |
| Evaporation rate | not determined |
| Flammability (solid, gas) | not relevant (fluid) |
| Explosive limits | not determined |
| Vapour pressure | 3 mmHG at 25 °C |
| Density | 1,9 |
| Solubility(ies) | not determined |
| Partition coefficient | |
| n-octanol/water (log KOW) | This information is not available. |
| Auto-ignition temperature | not determined |
| Viscosity | not determined |
| Explosive properties | none |
| Oxidising properties | none |

9.2 Other information

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SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s): risk of ignition

- **if heated**

risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

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

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Physical stresses which might result in a hazardous situation and have to be avoided

strong shocks

10.5 Incompatible materials

There is no additional information.

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic.

- **Acute toxicity of components of the mixture**

| Name of substance | CAS No | Exposure route | ATE |
|-------------------|-----------|--------------------|-------|
| dicopper oxide | 1317-39-1 | oral | 1,340 |
| ethylbenzene | 100-41-4 | inhalation: vapour | 11 |

| Name of substance | CAS No | Exposure route | Endpoint | Value | Species | Notes |
|--|------------|----------------|----------|-------------|---------|-------|
| dicopper oxide | 1317-39-1 | oral | LD50 | 1340 mg/kg | rat | |
| dicopper oxide | 1317-39-1 | dermal | LD50 | >2000 mg/kg | rat | |
| Solvent naphtha (petroleum), light arom. | 64742-95-6 | oral | LD50 | >5000 mg/kg | rat | |

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| Name of substance | CAS No | Exposure route | Endpoint | Value | Species | Notes |
|---|------------|--------------------|----------|---------------|---------|-------|
| Solvent naphtha (petroleum), light arom. | 64742-95-6 | dermal | LD50 | >2000 mg/kg | rabbit | |
| Distillates (petroleum), hydrotreated light | 64742-47-8 | oral | LD50 | >5000 mg/kg | rat | |
| Distillates (petroleum), hydrotreated light | 64742-47-8 | inhalation: vapour | LC50 | >5.28 mg/l/4h | rat | |
| Distillates (petroleum), hydrotreated light | 64742-47-8 | dermal | LD50 | >2000 mg/kg | rabbit | |
| copper oxide | 1317-38-0 | oral | LD50 | >2500 mg/kg | rat | |
| copper oxide | 1317-38-0 | dermal | LD50 | >2000 mg/kg | rat | |

Skin corrosion/irritation

Causes skin irritation.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Summary of evaluation of the CMR properties

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

Specific target organ toxicity (STOT)

- **Specific target organ toxicity - single exposure**

May cause drowsiness or dizziness.

- **Specific target organ toxicity - repeated exposure**

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Very toxic to aquatic life.

Aquatic toxicity (chronic)

May cause long-term adverse effects in the aquatic environment.

Aquatic toxicity (chronic) of components of the mixture

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|--|------------|----------|------------|----------------|---------------|
| Solvent naphtha (petroleum), light arom. | 64742-95-6 | EC50 | 15.41 mg/l | microorganisms | 40 h |

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12.2 Process of degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

13.2 Relevant provisions relating to waste

Properties of waste which render it hazardous

H 3-B 'Flammable':

liquid substances and preparations having a flash point equal to or greater than 21 °C and less than or equal to 55 °C.

13.3 Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

| | | |
|------|--|---|
| 14.1 | UN number | 1263 |
| 14.2 | UN proper shipping name | PAINT |
| 14.3 | Transport hazard class(es) | |
| | Class | 3 (flammable liquids) |
| 14.4 | Packing group | III (substance presenting low danger) |
| 14.5 | Environmental hazards | hazardous to the aquatic environment (dicopper oxide) |
| 14.6 | Special precautions for user | |
| | Provisions for dangerous goods (ADR) should be complied within the premises. | |

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14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The cargo is not intended to be carried in bulk.

14.8 Information for each of the UN Model Regulations

• Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)

| | |
|----------------------|---------------------|
| UN number | 1263 |
| Proper shipping name | PAINT |
| Class | 3 |
| Classification code | F1 |
| Packing group | III |
| Danger label(s) | 3 + "fish and tree" |



| | |
|-------------------------------|--|
| Environmental hazards | yes (hazardous to the aquatic environment) |
| Special provisions (SP) | 163, 367, 640E, 650 |
| Excepted quantities (EQ) | E1 |
| Limited quantities (LQ) | 5 L |
| Transport category (TC) | 3 |
| Tunnel restriction code (TRC) | D/E |
| Hazard identification No | 30 |

• International Maritime Dangerous Goods Code (IMDG)

| | |
|----------------------|--|
| UN number | 1263 |
| Proper shipping name | PAINT |
| Class | 3 |
| Subsidiary risk(s) | - |
| Marine pollutant | yes (hazardous to the aquatic environment) |
| Packing group | III |
| Danger label(s) | 3 + "fish and tree" |



| | |
|--------------------------|---------------|
| Special provisions (SP) | 163, 223, 955 |
| Excepted quantities (EQ) | E1 |
| Limited quantities (LQ) | 5 L |
| EmS | F-E, S-E |
| Stowage category | E |

• International Civil Aviation Organization (ICAO-IATA/DGR)

| | |
|-----------------------|--|
| UN number | 1263 |
| Proper shipping name | Paint |
| Class | 3 |
| Environmental hazards | yes (hazardous to the aquatic environment) |
| Packing group | III |

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Danger label(s) 3



Special provisions (SP) A3, A72

Excepted quantities (EQ) E1

Limited quantities (LQ) 10 L

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

15.1.1. • Limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products (2004/42/EC, Deco-Paint Directive)

6

VOC content 330 g/l

National regulations (Austria)

• Ordinance on combustible liquids (VbF)

VbF (group and hazard class):

This Regulation shall not apply:

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

| Abbr. | Descriptions of used abbreviations |
|-----------------|---|
| 2000/39/EC | Commission Directive establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC |
| Acute Tox. | acute toxicity |
| ADN | Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways) |
| ADR | Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road) |
| Aquatic Acute | hazardous to the aquatic environment - acute hazard |
| Aquatic Chronic | hazardous to the aquatic environment - chronic hazard |
| Asp. Tox. | aspiration hazard |
| ATE | Acute Toxicity Estimate |
| CAS | Chemical Abstracts Service |
| CLP | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures |
| CMR | Carcinogenic, Mutagenic or toxic for Reproduction |
| DMEL | Derived Minimal Effect Level |
| DNEL | Derived No-Effect Level |
| DPD | Dangerous Preparations Directive (1999/45/EC) |

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Date of compilation: 2015-01-27

| Abbr. | Descriptions of used abbreviations |
|-------------|--|
| EC No | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union) |
| EH40/2005 | EH40/2005 Workplace exposure limits, Table 1: List of approved workplace exposure limits (http://www.nationalarchives.gov.uk/doc/open-government-licence/) |
| EmS | Emergency Schedule |
| F+ | extremely flammable |
| Flam. Liq. | flammable liquid |
| GHS | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA) |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods Code |
| MARPOL | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant") |
| N | dangerous for the environment |
| PBT | Persistent, Bioaccumulative and Toxic |
| PNEC | Predicted No-Effect Concentration |
| ppm | parts per million |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail) |
| Skin Corr. | corrosive to skin |
| Skin Irrit. | irritant to skin |
| STOT SE | specific target organ toxicity - single exposure |
| VbF | ordinance on combustible liquids (Austria) |
| VOC | Volatile Organic Compounds |
| vPvB | very Persistent and very Bioaccumulative |
| Xi | irritant |
| Xn | harmful |

Key literature references and sources for data

- Supplier
- CLP (annexe VI and/or notification)
- ECHA

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards/environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH), amended by Regulation
(EC) No. 453/2010

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List of relevant phrases (code and full text as stated in chapter 2 and 3)

| Code | Text |
|--------|---|
| H225 | highly flammable liquid and vapour |
| H226 | flammable liquid and vapour |
| H302 | harmful if swallowed |
| H304 | may be fatal if swallowed and enters airways |
| H315 | causes skin irritation |
| H332 | harmful if inhaled |
| H336 | may cause drowsiness or dizziness |
| H400 | very toxic to aquatic life |
| H410 | very toxic to aquatic life with long lasting effects |
| H411 | toxic to aquatic life with long lasting effects |
| H412 | harmful to aquatic life with long lasting effects |
| R10 | flammable |
| R11 | highly flammable |
| R20 | harmful by inhalation |
| R22 | harmful if swallowed |
| R38 | irritating to skin |
| R50 | very toxic to aquatic organisms |
| R50/53 | very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| R51/53 | toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| R53 | may cause long-term adverse effects in the aquatic environment |
| R65 | harmful: may cause lung damage if swallowed |
| R67 | vapours may cause drowsiness and dizziness |

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Redactor

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