



SAFETY DATA SHEET

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Revised edition no : 5

Date : 20 / 10 / 2017

Supersedes : 1 / 2 / 2005

YANMAR Grey Metallic Touch-up paint 400 ml. Aerosol

11232-105117

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

Format : Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

1.1 Identification of the product : Aerosol.

Trade name : YANMAR Grey Metallic Touch-up paint

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

Use : Domestic.
Industrial.

1.3 Details of the supplier of the safety data sheet

Company identification : YANMAR Europe B.V.
Brugplein 11
1332 BS Almere THE NETHERLANDS
Tel.: +31(0)365493200
www.yanmar.com/eu

1.4 Emergency telephone number

Emergency phone nr : Tel.+31(0)20-4974943(8:00-17:00)
Nationaal Vergiftigingen Informatie Centrum(NVIC)
Tel.+31(0)30-2748888(7/24)
Uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen.

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

- **Health hazards** : Eye irritation - Category 2A - Warning - (CLP : Eye Irrit. 2) - H319
Specific Target Organ Toxicity - Single exposure - Narcotic effects - Category 3 -
Warning - (CLP : STOT SE 3) - H336
Specific Target Organ Toxicity - Single exposure - Narcotic effects - Category 3 -
Warning - (CLP : STOT SE 3) - H336
- **Physical hazards** : Flammable aerosols - Category 1 - Danger - (CLP : Flam. Aerosol 1) - H222

2.2 Label elements

Labelling Regulation EC 1272/2008 (CLP)

- **Hazard pictograms**



- **Signal words** : Danger
- **Hazard statements** : H222 - H229 Extremely flammable aerosol. Pressurized container: May burst if heated
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H336 - May cause drowsiness or dizziness

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SECTION 2 Hazards identification (continued)

- **Supplemental hazard information** : EUH066 - EUH066 - Repeated exposure may cause skin dryness or cracking
Contains :
Acetone
Butanone
Ethyl acetate
n-Butyl acetate

• **Pictograms
(Precautionary statements)**



- General** : P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children.
- Prevention** : P210 - Keep away from heat, sparks, open flames or hot surfaces. – No smoking.
P211 - Do not spray on an open flame or other ignition source
P251 - Do not pierce or burn, even after use
P260 - Do not breathe vapours/spray.
- Response** : P305B - IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists : Get medical advice.
- Storage** : P410+412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F
- Disposal considerations** : P501 - Dispose in a safe manner in accordance with local/national regulations.

2.3 Other hazards

- Other hazards** : Results of PBT- and zPzB - reported.
PBT: No use
PBZ: No use
None under normal conditions.

SECTION 3 Composition/information on ingredients

Substance / Preparation

Components

: Mixture of substances listed below with nonhazardous additions.

Substance name	Contents	CAS No	EC No	Annex No	Registration number	Classification
Butane n-	10 - 15 %	106-97-8	203-448-7	601-004-00-0	01-2119474691-32	F+, R12 Flam. Gas 1;H220 Liquefied gas;H280
Propane	10 - 15 %	74-98-6	200-827-9	601-003-00-5	601-003-00-5	F+, R12 Flam. Gas 1;H220 Liquefied gas;H280
Isobutane	1 - 5 %	75-28-5	200-857-2	601-004-00-0	01-2119485395-27	F+, R12 Flam. Gas 1;H220 Liquefied gas;H280
Butanone	1 - 5 %	78-93-3	201-159-0	606-002-00-3	01-2119457290-43	F; R11 R66 R67 Xi; R36 Flam. Liq. 2;H225 Eye Irrit. 2;H319 EUH066 STOT SE3; H336
Acetone	30 - 60 %	67-64-1	200-662-2	606-001-00-8	01-2119471330-49	F; R11 R66 R67 Xi; R36 Flam. Liq. 2;H225 Eye Irrit. 2;H319

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SECTION 3 Composition/information on ingredients (continued)

							EUH066 STOT SE3; H336
Ethyl acetate	:	1 - 5 %	141-78-6	205-500-4	607-022-00-5	01-2119475103-46	F; R11 R66 R67 Xi; R36 ----- Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE3; H336 EUH066
n-Butyl acetate	:	5 - 10 %	123-86-4	204-658-1	607-025-00-1	01-2119485493-29	R10 R66 R67 ----- Flam. Liq. 3;H226 STOT SE3; H336 EUH066
2-butoxyethanol	:	1 - 5 %	111-76-2	203-905-0	603-014-00-0	01-2119475108-36	Xn; R20/21/22 Xi; R36/38 ----- Acute Tox. 4 (Dermal);H312 Acute Tox. 4 (Inhalation);H332 Acute Tox. 4 (Oral);H302 Eye Irrit. 2;H319 Skin Irrit. 2;H315
1-Butanol	:	1 - 5 %	71-36-3	200-751-6	603-004-00-6	01-2119484630-38	R10 Xn; R22 R67 Xi; R37/38-41 ----- Eye Dam. 1;H318 Flam. Liq. 3;H226 Acute Tox. 4 (Oral);H302 Skin Irrit. 2;H315 STOT SE3;H335 STOT SE3; H336

Text of H / R-Phrases : See Heading 16.

SECTION 4 First aid measures

4.1 Description of first aid measures

- **General information** : Symptoms often do not appear for several hours.
Seek medical attention if ill effect develops.
- **Inhalation** : Assure fresh air breathing.
If you feel unwell, seek medical advice (show the label where possible).
Keep victim warm and rested.
- **Skin contact** : Generally the product does not irritate the skin.
- **Eye contact** : In case of eye contact, immediately rinse with clean water for 10-15 minutes.
Obtain medical attention if pain, blinking, tears or redness persist.
- **Ingestion** : Obtain medical attention.
Give water to drink if victim completely conscious/alert.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 Firefighting measures

5.1 Extinguishing media

- **Suitable extinguishing media** : Powder.
Water fog.
Carbon dioxide.
Alcohol resistant foam.

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SECTION 5 Firefighting measures (continued)

- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

Specific hazards : When heated to decomposition, emits dangerous fumes.
Produces dense black smoke when burning, obscuring vision.

5.3 Advice for firefighters

Flammable class : Extremely flammable.

Special protective equipment for fire fighters : Do not enter fire area without proper protective equipment, including respiratory protection.

Special procedures : Prevent entry to sewers and public waters.
Use water spray or fog for cooling exposed containers.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General precautions : Dispose in a safe manner in accordance with local/national regulations.

Personal precautions : Eliminate ignition sources.
Respiratory protection equipment may be necessary.
Wear suitable protective clothing and gloves.
Keep public away from danger area.

6.2 Environmental precautions

Prevent entry to sewers and public waters.
Notify authorities if liquid enters sewers or public waters.

6.3 Methods and material for containment and cleaning up

Clean up methods : Clean up any spills as soon as possible, using an absorbent material to collect it.
Isolate small containers presenting a leak. Use suitable disposal containers.

Special precautions : Ensure adequate air ventilation.

6.4 Reference to other sections

See headings 7,8 and 13.

SECTION 7 Handling and storage

7.1 Precautions for safe handling

Handling : Both local exhaust and general room ventilation are usually required.
Proper grounding procedures to avoid static electricity should be followed.
Keep away from sources of ignition - No smoking.

Precautions in handling and storage : Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on naked flame or any incandescent material.

7.2 Conditions for safe storage, including any incompatibilities

Storage : Store in accordance with local, regional, national or international regulation.
Store in dry, cool, well-ventilated area.
Keep away from : strong acids, bases.

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SECTION 7 Handling and storage (continued)

7.3 Specific end use(s)

No data available.

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

Personal protection

: Avoid contact with eyes.
Avoid contact with skin and eyes.
Do not breathe gas, fumes, vapour or spray.
Wash hands before breaks and at the end of work.
Keep away from food, drink and animal feeding stuffs.
Avoid all unnecessary exposure.
Remove immediately contaminated clothing.

- Respiratory protection

: None under normal conditions.
In case of insufficient ventilation, wear suitable respiratory equipment.

- Skin protection

: None under normal conditions.

- Eye protection

: Eye protection should only be necessary where liquid could be splashed or sprayed.

- Hand protection

: None under normal conditions.

Industrial hygiene

: Keep away from food, drink and animal feeding stuffs.

8.2 Exposure controls

Occupational Exposure Limits

: Acetone : TGG 8 uur (nl) (mg/m³) : 250
Acetone : MAK - Germany [ppm] : 1200
Acetone : MAK - Germany [mg/m³] : 500
Acetone : VME - France [ppm] : 750
Acetone : VME - France [mg/m³] : 1800
Acetone : STEL - UK [mg/m³] : 1500
Acetone : LTEL - UK [ppm] : 3620
Acetone : ILV (EU) - 8 H - [mg/m³] : 1210
Acetone : ILV (EU) - 8 H - [ppm] : 500
Acetone : TLV[®] -TWA [ppm] : 500
Acetone : TLV[®] -STEL [ppm] : 750
Acetone : LTEL - UK [mg/m³] : 1210
Acetone : LTEL - UK [ppm] : 500
Acetone : MAK (AU) Tagesmittelwert (ml/m³) : 500
Acetone : MAK (AU) Tagesmittelwert (mg/m³) : 1200
Acetone : MAK (AU) Kurzzeitwerte (mg/m³) : 4800
Acetone : MAK (AU) Kurzzeitwerte (ml/m³) : 2000
Acetone : TGG 8 uur (nl) (mg/m³) : 1210
Acetone : TGG 15 min (nl) (mg/m³) : 2420
Propane : TLV[®] -TWA [ppm] : 2500
Propane : MAK - Germany [mg/m³] : 1000
Propane : MAK - Germany [ppm] : 1800
Propane : TGG 8 uur (nl) (mg/m³) : 1000
Butane n- : TGG 8 uur (nl) (mg/m³) : 500
Butane n- : MAK - Germany [ppm] : 1000
Butane n- : MAK - Germany [mg/m³] : 2400
Butane n- : VME - France [ppm] : 800

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SECTION 8 Exposure controls/personal protection (continued)

Butane n- : VME - France [mg/m³] : 1900
Butane n- : STEL - UK [mg/m³] : 750
Butane n- : LTEL - UK [ppm] : 1810
Butane n- : LTEL - UK [ppm] : 600
Butane n- : LTEL - UK [mg/m³] : 1450
Butane n- : TLV[®]-TWA [ppm] : 800
n-Butyl acetate : TGG 8 uur (nl) (mg/m³) : 150
n-Butyl acetate : MAK - Germany [ppm] : 100
n-Butyl acetate : MAK - Germany [mg/m³] : 480
n-Butyl acetate : VME - France [ppm] : 150
n-Butyl acetate : VME - France [mg/m³] : 710
n-Butyl acetate : VLE - France [ppm] : 200
n-Butyl acetate : VLE - France [mg/m³] : 940
n-Butyl acetate : STEL - UK [mg/m³] : 200
n-Butyl acetate : LTEL - UK [ppm] : 966
n-Butyl acetate : LTEL - UK [ppm] : 150
n-Butyl acetate : LTEL - UK [mg/m³] : 724
n-Butyl acetate : TLV[®]-STEL [ppm] : 200
n-Butyl acetate : TLV[®]-TWA [ppm] : 150
Butanone : TGG 8 uur (nl) (mg/m³) : 50
Butanone : MAK - Germany [ppm] : 200
Butanone : MAK - Germany [mg/m³] : 600
Butanone : VME - France [ppm] : 200
Butanone : VME - France [mg/m³] : 600
Butanone : STEL - UK [mg/m³] : 300
Butanone : LTEL - UK [ppm] : 899
Butanone : LTEL - UK [ppm] : 200
Butanone : LTEL - UK [mg/m³] : 600
Butanone : TLV[®]-STEL [ppm] : 300
Butanone : TLV[®]-TWA [ppm] : 200
Butanone : ILV (EU) - 15 min - [ppm] : 300
Butanone : ILV (EU) - 15 min - [mg/m³] : 900
Butanone : ILV (EU) - 8 H - [ppm] : 200
Butanone : ILV (EU) - 8 H - [mg/m³] : 600
Butanone : TGG 8 uur (nl) (mg/m³) : 590
Butanone : TGG 15 min (nl) (mg/m³) : 900 (H)
Ethyl acetate : KTV - [mg/m³] : 300
Ethyl acetate : KTV - [ppm] : 300
Ethyl acetate : NGV - [mg/m³] : 500
Ethyl acetate : NGV - [ppm] : 150
Ethyl acetate : HTP-värden - 15min - [mg/m³] : 1800
Ethyl acetate : HTP-värden - 15min - [ppm] : 500
Ethyl acetate : HTP-värden - 8 H - [mg/m³] : 1100
Ethyl acetate : HTP-värden - 8 H - [ppm] : 300
Ethyl acetate : TGG 8 uur (nl) (mg/m³) : 150
Ethyl acetate : TLV[®]-TWA [ppm] : 400
Ethyl acetate : VLA-ED - Spain [ppm] : 400
Ethyl acetate : VLA-ED [mg/m³] : 1460
Ethyl acetate : LTEL - UK [ppm] : 200
Ethyl acetate : STEL - UK [mg/m³] : 400
Ethyl acetate : VME - France [mg/m³] : 1400

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SECTION 8 Exposure controls/personal protection (continued)

Ethyl acetate : VME - France [ppm] : 400
Ethyl acetate : MAK - Germany [mg/m³] : 1500
Ethyl acetate : MAK - Germany [ppm] : 400
Ethyl acetate : MAK (AU) Tagesmittelwert (ml/m³) : 300
Ethyl acetate : MAK (AU) Kurzzeitwerte (mg/m³) : 2100
Ethyl acetate : MAK (AU) Tagesmittelwert (mg/m³) : 1050
Ethyl acetate : MAK (AU) Kurzzeitwerte (ml/m³) : 600
Isobutane : TLV[®] -TWA [ppm] : 800
Isobutane : MAK - Germany [mg/m³] : 2400
Isobutane : MAK - Germany [ppm] : 1000
Isobutane : MAK (AU) Tagesmittelwert (ml/m³) : 800
Isobutane : MAK (AU) Kurzzeitwerte (mg/m³) : 3800
Isobutane : MAK (AU) Tagesmittelwert (mg/m³) : 1900
Isobutane : MAK (AU) Kurzzeitwerte (ml/m³) : 1600
2-butoxyethanol : MAC [mg/m³] : TGG - 15 Min 246 mg/m³
2-butoxyethanol : MAC [mg/m³] : TGG - 8 Uur 100 mg/m³
1-Butanol : TGV - [mg/m³] : 90
1-Butanol : TGV - [ppm] : 30
1-Butanol : NGV - [mg/m³] : 45
1-Butanol : NGV - [ppm] : 15
1-Butanol : HTP-vården - 15min - [mg/m³] : 230
1-Butanol : HTP-vården - 15min - [ppm] : 75
1-Butanol : HTP-vården - 8 H - [mg/m³] : 150
1-Butanol : HTP-vården - 8 H - [ppm] : 50
1-Butanol : TGG 8 uur (nl) (mg/m³) : 50
1-Butanol : TLV[®] -TWA [ppm] : 20
1-Butanol : VLA-EC [ppm] : 50
1-Butanol : VLA-EC [mg/m³] : 154
1-Butanol : LTEL - UK [ppm] : 154
1-Butanol : STEL - UK [mg/m³] : 50
1-Butanol : VLE - France [mg/m³] : 150
1-Butanol : VLE - France [ppm] : 50
1-Butanol : MAK - Germany [mg/m³] : 310
1-Butanol : MAK - Germany [ppm] : 100
1-Butanol : MAK (AU) Tagesmittelwert (ml/m³) : 50
1-Butanol : MAK (AU) Kurzzeitwerte (mg/m³) : 600
1-Butanol : MAK (AU) Tagesmittelwert (mg/m³) : 150
1-Butanol : MAK (AU) Kurzzeitwerte (ml/m³) : 200

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Appearance : Aerosol.
Colour : According to product specification.
Odour : Characteristic.

Odour threshold

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SECTION 9 Physical and chemical properties (continued)

Not established.

pH value : Not applicable.

Melting point / Freezing point

Melting point [°C] : Not established.

Initial boiling point - boiling range

Initial boiling point [°C] : Not established.

Flash point [°C] : <0°C.(32°F) Not applicable as aerosol

Decomposition point [°C] : Not established.

Auto-ignition temperature

Thermal decomposition [°C] : Not established.

Evaporation rate

Evaporation rate (ether=1) : Not applicable.

Flammability

Flammability range [vol% in air] : Not established.

Explosion limits (lower - upper)

Explosion limits : Not established.

Vapour pressure [hPa] : 4200 hPa (2625 hg)

Vapour density : Not established.

Relative density, gas (air=1) : Not established.

Relative density, liquid (water=1) : 0,746 gr/ cm³

Solubility in water : Not miscible or difficult to mix

Partition coefficient : n-octanol / water

Partition coefficient : n-octanol / water: Not established.

Thermal decomposition

Viscosity : Not established.

Explosive Properties

Explosive Properties : Product is not explosive, However, formation of explosive air/ vapour mixtures are possible.

Oxidising properties

Oxidising properties : Not established.

9.2 Other informationOther data : Organic solvent : 86,8 %
EU-VOC : 648 g/l
EU-VOC in % : 86,84 %
No further relevant information

Dry extract [%] : 13,16 %

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SECTION 10 Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Thermal stability : Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : None under normal conditions.

10.4 Conditions to avoid

Conditions to avoid : No data available.

10.5 ncompatible materials

No data available.

10.6 Hazardous decomposition products

Hazardous decomposition products : None under normal conditions.

SECTION 11 Toxicological information

11.1 Information on toxicological effects

Evaluation of the security for the human health

Acute toxicity

: 111-76-2 2-Butoxyethanol
Oral LD50 >200-<2000 mg/kg(rat)
LC50/ 4h 2.21-2.39 mg/l(rat)
123-86-4 N-Butylacetate
Oral LD50 10770 mg/kg(rat)
Dermal LD50 >17600 mg/kg(rabbit)
LC50 /4h >21.0 mg/m3(rat)
71-36-3 1 - Butanol
Oral LD50 4400 mg/kg(rat)
Dermal LD50 4200 mg/kg(rabbit)
LC50 /4h 25 mg/m3(rat)
141-78-6 Ethyl acetate
Oral LD50 5620mg/kg(rat)
Dermal LD50 >18000 mg/kg(rabbit)
LC50/4h 1600 mg/m3(rat)
78-93-3 Butanone
Oral LD50 2737 mg/kg(rat)
Dermal LD50 6480 mg/kg(rabbit)
LC50/4h 34 mg/m3(rat)
67-64-1 Acetone
Oral LD50 5800 mg/kg(rat)
Dermal LD50 20000 mg/kg(rabbit)
LC50/4h 39 m3 (rat)
106-97-8 Butane
LC50 /4h 658 mg/m3 (rat)

- Dermal : None under normal conditions.

- Ocular : Irritating to eyes.

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SECTION 11 Toxicological information (continued)

- Sensitization** : This product has been reported not to cause skin sensitization.
- Other** : The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as the latest version : Irritant.

SECTION 12 Ecological information

12.1 Toxicity

- Toxicity information** :
- 123-86-4 n-Butyl acetate
 - EC50 /96h 320 mg/l (algae)
 - LC50 /24h 205 mg/l(daphnia magna)
 - 111-76-2 2-Butoxyethanol
 - LC50/96h 820-1490 mg/l(fish)
 - EC50/48h 835-1550 mg/l(daphnia)
 - IC50/72h 1840 mg/l(algae)
 - 71-36-3 1 - Butanol
 - EC50 /48h 1983 mg/l(daphnia magna)
 - EC50 /73h 8500 mg/l (alqae)
 - 78-93-3 Butanone
 - LC50/96h >2500 mg/l(fish)
 - EC50/48h >5000 mg/l (daphnia magna)
 - 67-6-1 Acetone
 - EC50 /48h 39mg/l(daphinia magna)
 - LC50 /48h 2262 mg/l(daphiniamagna)
 - LC50 /96h(static) 5540 mg/l(fish)
 - 141-78-6 Ethyl acetate
 - EC50 /24h 2500 mg/l(daphnia magna)

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

- Ecological effects information** : No data available.
- Environmental precautions** : Prevent entry to sewers and public waters.
- WGK class (Germany)** : Water hazerd class 1 (German Regulation): Slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water organisms.water course or sewage system. Harmfull to aquatic organisms.
- Water hazard class (nl)** : Classification (Netherlands) 11 Little harmfull to aquatic organisms.

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SECTION 13 Disposal considerations

13.1 Waste treatment methods

- General** : Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
- Disposal method**
- Industrial waste number** : 08 01 11 - Waste paint and varnish containing organic solvents or other dangerous substances.
15 01 04 - Metallic packaging
- Special precautions** : Do not flush down sewers.
Container under pressure. Do not drill or burn even after use.
Dispose in a safe manner in accordance with local/national regulations.

SECTION 14 Transport information

14.1 UN number

UN No. ADR,IMDG,IATA : 1950

14.2 UN proper shipping name

: ADR 1950 AEROSOLS
IMDG AEROSOLS
IATA AEROSOLS,flammable

14.3 Transport hazard class(es)

- Labelling ADR, IMDG, IATA



Land transport :

- ADR Class : 2 5F Gases
- ADR Label : 2.1

Sea transport :

- Class : 2.1
- Label : 2.1
- EMS-Nr : F-D , S-U

Air transport :

- IATA - Class or division : 2.1
- IATA-Label : 2.1

14.4 Packing group ADR, IMDG, IATA

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SECTION 14 Transport information (continued)

Void

14.5 Environmental hazards

Marine pollutant : No

14.6 Special precautions for user

Warning : Gasses

Danger code (Kemler) : -

EMS Number : F-D,S-U

Additional information : None.

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

Not applicable

Transport/ Additional information :

ADR

Limited quantities (LQ) 1L

Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity

Transport category 2

Tunnel restriction code D

IMDG

Limited quantities (LQ) 1L

Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity

UN " Model Regulation": UN1950, AEROSOLS, 2.1

SECTION 15 Regulatory information

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

Ensure all national/local regulations are observed.

Germany : Water hazard class 1 (German Regulation): Slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water,
water organisms.water course or sewage system.
Harmful to aquatic organisms.

15.2 Chemical safety assessment

Not established.

SECTION 16 Other information

H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.

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SECTION 16 Other information (continued)

H315 Causes skin irritations.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
EUH066 Repeated exposure may cause skin dryness or cracking.

List of relevant R phrases (heading 3) : R10 : Flammable.
R11 : Highly flammable.
Extremely flammable.
R20/21/22 : Harmful by inhalation, in contact with skin and if swallowed.
R22 : Harmful if swallowed.
R36 : Irritating to eyes.
R36/38 : Irritating to eyes and skin.
R37/38 : Irritating to respiratory system and skin.
R41 : Risk of serious damage to eyes.
R66 : Repeated exposure may cause skin dryness or cracking.
R67 : Vapours may cause drowsiness and dizziness.

Further information

: ADR: Accord européen sur le transport des marchandises dangereuses pas Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail).
IMDG: International Maritime Code for Dangerous Goods.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
GHS: Globally Harmonized System of Classification and Labelling of Chemicals.
LC50: Lethal concentration, 50 percent.
LD50: Lethal dose, 50 percent.
GHS: Globally Harmonized System of Classification and Labelling of Chemicals.
CAS: Chemical Abstracts Service (division of the American Chemical Society).

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