

1 Identification

- Product identifier
- Trade name: Epifanes Multi Marine Primer
- Relevant identified uses of the substance or mixture and uses advised against
- Product category PC9a Coatings and paints, thinners, paint removers
- Process category PROC10 Roller application or brushing
- Environmental release category ERC2 Formulation of preparations
- Application of the substance / the mixture
See our technical datasheet for application of this product.
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
W.Heeren & Zoon bv.
P.O. box 166
1430 AD Aalsmeer
Netherlands
tel.+31-(0)297-360366
fax +31-(0)297-342078
email: r&d@epifanes.nl
- Information department: environment protection department
- Emergency telephone number:
Emergency Phone Number (24 hours) CHEMTREC (800-424-9300)
Outside US: 703-527-3887

2 Hazard(s) identification

- Classification of the substance or mixture



GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC
R10-52/53-66: Flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking.
- Information concerning particular hazards for human and environment:
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.
- Classification system:
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- Label elements
- GHS label elements
The product is classified and labeled according to the Globally Harmonized System (GHS).

(Contd. on page 2)

Trade name: Epifanes Multi Marine Primer

(Contd. of page 1)

· Hazard pictograms



GHS02 GHS07

· Signal word Warning

· Hazard-determining components of labeling:

2-butanone oxime

· Hazard statements

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

· Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 If swallowed: Immediately call a poison center/doctor.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Classification system:

· NFPA ratings (scale 0 - 4)



Health = 1

Fire = 2

Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 1

Fire = 2

Reactivity = 0

· Other hazards

· Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Description:

Mixture of the substances listed below with nonhazardous additions.

(Contd. on page 3)

Trade name: Epifanes Multi Marine Primer

(Contd. of page 2)

· Dangerous components:

| | | |
|---|---|---------|
| CAS: 64742-82-1 EINECS: 265-185-4 Index number: 649-330-00-2 Reg.nr.: 01-2119490979-12 | Naphtha (petroleum), hydrodesulfurized heavy (Note-P) ☒ Xn R65 ☒ N R51/53 R10-66-67 Carc. Cat. 2, Muta. Cat. 2 ----- ☠ Flam. Liq. 1, H224 ☠ Muta. 1B, H340; Carc. 1B, H350; STOT RE 1, H372; Asp. Tox. 1, H304 | 10-25% |
| CAS: 13463-67-7 EINECS: 236-675-5 | titanium dioxide ☠ Carc. 2, H351 | 10-25% |
| CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9 Reg.nr.: 01-2119488216-32 | xylene ☒ Xn R20/21 ☒ Xi R38 R10 ----- ☠ Flam. Liq. 3, H226 ☠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315 | 10-25% |
| CAS: 14807-96-6 EINECS: 238-877-9 | Talc (Mg3H2(SiO3)4) ☠ Carc. 2, H351 | 2.5-10% |
| CAS: 7779-90-0 EINECS: 231-944-3 Index number: 030-011-00-6 Reg.nr.: 01-2119485044-40 | trizinc bis(orthophosphate) ☒ N R50/53 | 2.5-10% |
| CAS: 64742-48-9 EINECS: 265-150-3 Reg.nr.: 01-2119463258-33 | Naphtha (petroleum), hydrotreated heavy (Note-p) ☒ Xn R65 R10-66 ----- ☠ Flam. Liq. 3, H226 ☠ Asp. Tox. 1, H304 | ≤ 2.5% |
| CAS: 1314-13-2 EINECS: 215-222-5 Index number: 030-013-00-7 Reg.nr.: 01-2119463881-32 | zinc oxide ☒ N R50/53 | ≤1% |
| CAS: 96-29-7 EINECS: 202-496-6 Index number: 616-014-00-0 Reg.nr.: 01-2119539477-28 | 2-butanone oxime ☒ Xn R21-40 ☒ Xi R41-43 Carc. Cat. 3 ----- ☠ Carc. 2, H351 ☠ Eye Dam. 1, H318 ☠ Acute Tox. 4, H312; Skin Sens. 1, H317 Flam. Liq. 4, H227 | ≤0.5% |

· Additional information:

Note P: The substance does not have to be classified as a carcinogen or mutagen as can be shown that the substance contains less than 0.1% (w / w) benzene (EINECS No 200-753-7.). This note applies only to certain complex oil-derived substances in Part 3.

For the wording of the listed risk phrases refer to section 16.

Trade name: Epifanes Multi Marine Primer

(Contd. of page 3)

* **4 First-aid measures**

- Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed
No further relevant information available.
- Indication of any immediate medical attention and special treatment needed
No further relevant information available.

* **5 Fire-fighting measures**

- Extinguishing media
- Suitable extinguishing agents:
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards arising from the substance or mixture
No further relevant information available.
- Advice for firefighters
- Protective equipment: No special measures required.

* **6 Accidental release measures**

- Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
- Environmental precautions:
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

* **7 Handling and storage**

- Handling:
Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- Information about protection against explosions and fires:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- Conditions for safe storage, including any incompatibilities
- Storage:
Requirements to be met by storerooms and receptacles: No special requirements.

(Contd. on page 5)

Trade name: Epifanes Multi Marine Primer

(Contd. of page 4)

- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.
- Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical systems:
No further data; see item 7.
- Control parameters

- Components with limit values that require monitoring at the workplace:

64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy (Note-P)

| | | |
|------------|--|---|
| Inhalative | (Tgg)time weighted average 8 hours / Exposure time | 575 mg/m ³ (Consument/ Consumer) |
|------------|--|---|

1330-20-7 xylene

| | | |
|------------|--|--|
| Inhalative | (Tgg)time weighted average 15 min. / Exposure time | 442 mg/m ³ (Algemene bevolking/ General population) |
| | (Tgg)time weighted average 8 hours / Exposure time | 210 mg/m ³ (Algemene bevolking/ General population) |

14807-96-6 Talc (Mg3H2(SiO3)4)

| | | |
|------------|--|---|
| Inhalative | (Tgg)time weighted average 8 hours / Exposure time | 0.25 mg/m ³ (Algemene bevolking/ General population) |
|------------|--|---|

1330-20-7 xylene

| | |
|-----|---|
| PEL | Long-term value: 435 mg/m ³ , 100 ppm |
| REL | Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm |
| TLV | Short-term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm |
| BEI | |

- Ingredients with biological limit values:

1330-20-7 xylene

| | |
|-----|--|
| BEI | 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids |
|-----|--|

- Additional information:
The lists that were valid during the creation were used as basis.
- Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.

(Contd. on page 6)

Trade name: Epifanes Multi Marine Primer

(Contd. of page 5)

- **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
Filter AX
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **For the permanent contact gloves made of the following materials are suitable:**
nitrile rubber;
recommended glove thickness > 0.45mm. permeability / permeation time: > 480 min. according to EN 374.
- **As protection from splashes gloves made of the following materials are suitable:**
chloroprene; glove thickness > 0.7mm, breakthrough time > 60min. according to EN 374.
nitrile rubber; glove thickness > 0.3 mm, breakthrough time > 60min. volgens EN 374.
- **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

- Information on basic physical and chemical properties
- General Information
- **Appearance:**

| | |
|--------|------------------------------------|
| Form: | Fluid |
| Color: | According to product specification |
- Odor: Characteristic
- Odour threshold: Not determined.
- pH-value: Not determined.
- **Change in condition**

| | |
|------------------------------|---------------|
| Melting point/Melting range: | Undetermined. |
|------------------------------|---------------|

(Contd. on page 7)

Trade name: Epifanes Multi Marine Primer

(Contd. of page 6)

| | |
|--|--|
| Boiling point/Boiling range: | 100 °C (212 °F) |
| · Flash point: | 40 °C (104 °F) |
| · Flammability (solid, gaseous): | Not applicable. |
| · Ignition temperature: | 500 °C (932 °F) |
| · Decomposition temperature: | Not determined. |
| · Auto igniting: | Product is not selfigniting. |
| · Danger of explosion: | Product is not explosive. However, formation of explosive air/vapor mixtures are possible. |
| · Explosion limits: | |
| Lower: | 1.1 Vol % |
| Upper: | 7.0 Vol % |
| · Vapor pressure at 20 °C (68 °F): | 6.7 hPa (5 mm Hg) |
| · Density at 20 °C (68 °F): | 1.35 g/cm ³ (11.266 lbs/gal) |
| · Relative density | Not determined. |
| · Vapour density | Not determined. |
| · Evaporation rate | Not determined. |
| · Solubility in / Miscibility with Water: | Not miscible or difficult to mix. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity: | |
| Dynamic: | Not determined. |
| Kinematic at 20 °C (68 °F): | 35 s (ISO 6 mm) |
| · Solvent content: | |
| Organic solvents: | 33.4 % |
| VOC content: | 33.4 % |
| | VOC content: 451.2 g/l / 3.77 lb/gl |
| Solids content: | 63.0 % |
| · Other information | No further relevant information available. |

10 Stability and reactivity

- Reactivity
- Chemical stability
- Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.
- Possibility of hazardous reactions No dangerous reactions known.
- Conditions to avoid No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

US

(Contd. on page 8)

Trade name: Epifanes Multi Marine Primer

(Contd. of page 7)

11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
- LD/LC50 values that are relevant for classification:

| | | |
|---|----------|---|
| 13463-67-7 titanium dioxide | | |
| Oral | LD50 | >20000 mg/kg bw (rat) |
| Dermal | LD50 | >10000 mg/kg bw (rabbit) |
| Inhalative | LC50/4 h | >6.82 mg/l (rat) |
| 1330-20-7 xylene | | |
| Oral | LD50 | 4300 mg/kg bw (rat) |
| Dermal | LD50 | 2000 mg/kg bw (rabbit) |
| 7779-90-0 trizinc bis(orthophosphate) | | |
| Oral | LD50 | >5000 mg/kg bw (rat) |
| Inhalative | LC50/4 h | 5.7 mg/l (rat) |
| 64742-48-9 Naphtha (petroleum), hydrotreated heavy (Note-p) | | |
| Oral | LD50 | >5000 mg/kg bw (rat) |
| Dermal | LD50 | >5000 mg/kg bw (rabbit) ((24h)) |
| Inhalative | LC50 | >5000 mg/m ³ (vapour) (rat) ((8h)) |
| 1314-13-2 zinc oxide | | |
| Oral | LD50 | 7950 mg/kg bw (mouse) |
| | | >15000 mg/kg (rat) |
| 96-29-7 2-butanone oxime | | |
| Oral | LD50 | 3700 mg/kg bw (rat) |
| Dermal | LD50 | 200-2000 mg/kg bw (rat) |
| Inhalative | LC50/4 h | 20 mg/l (rat) |

- Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:

- Carcinogenic categories

| | | |
|--|---|----|
| · IARC (International Agency for Research on Cancer) | | |
| 13463-67-7 | titanium dioxide | 2B |
| 1330-20-7 | xylene | 3 |
| 14807-96-6 | Talc (Mg ₃ H ₂ (SiO ₃) ₄) | 2B |
| 136-52-7 | cobalt bis(2-ethylhexanoate) | 2B |
| 14808-60-7 | Quartz (SiO ₂) | 1 |

| | | |
|-------------------------------------|----------------------------|---|
| · NTP (National Toxicology Program) | | |
| 14808-60-7 | Quartz (SiO ₂) | K |

| | | |
|---|--|--|
| · OSHA-Ca (Occupational Safety & Health Administration) | | |
| None of the ingredients is listed. | | |

Trade name: Epifanes Multi Marine Primer

(Contd. of page 8)

12 Ecological information

· Toxicity

· Aquatic toxicity:

1330-20-7 xylene

EC50 1 mg/l (daphnia magna) (48 uur/hour)

LC50 13.5-2.6 mg/l (Fish Acute Toxicity Study) (96 uur/hour)

7779-90-0 trizinc bis(orthophosphate)

EC50 (48 hours) >1000 mg/l (daphnia magna)

ErC50 >100 mg/l (desmodesdus subspicatus)

LC50 (96 hours) >1000 mg/l ((Regenboogforel))

64742-48-9 Naphtha (petroleum), hydrotreated heavy (Note-p)

EL50 (48h) >1000 mg/l ((Daphnia magna-OECD 202))

EbL50 (72h) >1000 mg/l (Pseudokirchneriella subcapitata-OECD 201)

ErL (72h) >1000 mg/l (Pseudokirchneriella subcapitata-OECD 201)

LL50 (96h) >1000 mg/l ((Onorhynchus mykiss OECD 203))

NOELR (72h) 3 mg/l ((Pseudo. subcapitata-biomass-OECD 201))

100 mg/l ((Pseudo. subcap. growth rate OECD 201))

96-29-7 2-butanone oxime

EC50 630 mg/l (other waterspecies 1) (BACTERIA; TOXICITEITSTEST)

EC50 (48 hours) 500 mg/l (daphnia magna)

750 mg/l (Daphnia similis Acute Toxicity Study) (DAPHNIA MAGNA)

EC50 (72 hours) 83 mg/l (other waterspecies 2) (SCENEDESMUS SUBSPICATUS)

LC50 (48 hours) 750 mg/l (other waterspecies 1)

LC50 (96 hours) 320-1000 mg/l (fish 1) (LEUCISCUS IDUS; STATISCH SYSTEM)

48 mg/l (fish 2) (LEPOSMIS MACEOCHIRUS; STATISCH SYSTEM)

· Persistence and degradability No further relevant information available.

· Behavior in environmental systems:

· Bioaccumulative potential

1330-20-7 xylene

Log Kow 3 (not specified)

· Mobility in soil No further relevant information available.

· Ecotoxicological effects:

· Remark: Harmful to fish

· Additional ecological information:

· General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Harmful to aquatic organisms

· Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

· Other adverse effects No further relevant information available.

Trade name: Epifanes Multi Marine Primer

(Contd. of page 9)

13 Disposal considerations

- Waste treatment methods
- Recommendation:
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.

14 Transport information

- UN-Number
- DOT, ADR, IMDG, IATA UN1263
- UN proper shipping name
- DOT CONSUMER COMMODITY, ORM-D
Paint
- ADR 1263 Paint, ENVIRONMENTALLY HAZARDOUS
- IMDG CONSUMER COMMODITY, ORM-D
PAINT
- IATA PAINT

- Transport hazard class(es)
- DOT



- Class 3 Flammable liquids
- Label 3

- ADR



- Class 3 Flammable liquids
- Label 3

- IMDG, IATA



- Class 3 Flammable liquids
- Label 3

- Packing group
- DOT, ADR, IMDG, IATA III

- Environmental hazards:
- Marine pollutant: No
- Special marking (ADR): Symbol (fish and tree)

- Special precautions for user Warning: Flammable liquids
- Danger code (Kemler): 30

(Contd. on page 11)

Trade name: Epifanes Multi Marine Primer

(Contd. of page 10)

| | |
|---|--|
| · EMS Number: | F-E, S-E |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | |
| · DOT | |
| · Quantity limitations | On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L |
| · Remarks: | CERCLA/DOT RQ: 617gal./4786 lbs. |
| · ADR | |
| · Excepted quantities (EQ) | Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml |
| · IMDG | |
| · Limited quantities (LQ) | 5L |
| · Excepted quantities (EQ) | Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml |
| · UN "Model Regulation": | UN1263, Paint, ENVIRONMENTALLY HAZARDOUS, 3, III |

15 Regulatory information

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

| | |
|---|---|
| · Section 355 (extremely hazardous substances): | None of the ingredient is listed. |
| · Section 313 (Specific toxic chemical listings): | |
| 1330-20-7 | xylene |
| 7779-90-0 | trizinc bis(orthophosphate) |
| 1314-13-2 | zinc oxide |
| 136-52-7 | cobalt bis(2-ethylhexanoate) |
| · TSCA (Toxic Substances Control Act): | |
| 64742-82-1 | Naphtha (petroleum), hydrodesulfurized heavy (Note-P) |
| 13463-67-7 | titanium dioxide |
| 1330-20-7 | xylene |
| 14807-96-6 | Talc (Mg3H2(SiO3)4) |
| 16389-88-1 | dolomite |
| 7779-90-0 | trizinc bis(orthophosphate) |
| 64742-48-9 | Naphtha (petroleum), hydrotreated heavy (Note-p) |
| 1314-13-2 | zinc oxide |
| 68409-80-3 | Isomers of fatty acid calcium salts, C6-C19 |
| 68953-58-2 | Ditallowdimethylammonium |

(Contd. on page 12)

Trade name: Epifanes Multi Marine Primer

(Contd. of page 11)

| | |
|------------|------------------------------|
| 96-29-7 | 2-butanone oxime |
| 22464-99-9 | Zirconiumoctoate, 12 % Zr |
| 112-34-5 | 2-(2-butoxyethoxy)ethanol |
| 136-52-7 | cobalt bis(2-ethylhexanoate) |
| 14808-60-7 | Quartz (SiO ₂) |

· Proposition 65

· Chemicals known to cause cancer:

| | |
|------------|----------------------------|
| 13463-67-7 | titanium dioxide |
| 14808-60-7 | Quartz (SiO ₂) |

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Cancerogenity categories

· EPA (Environmental Protection Agency)

| | | |
|-----------|-----------------------------|----------|
| 1330-20-7 | xylene | I |
| 7779-90-0 | trizinc bis(orthophosphate) | D, I, II |
| 1314-13-2 | zinc oxide | D, I, II |

· TLV (Threshold Limit Value established by ACGIH)

| | | |
|------------|---|----|
| 13463-67-7 | titanium dioxide | A4 |
| 1330-20-7 | xylene | A4 |
| 14807-96-6 | Talc (Mg ₃ H ₂ (SiO ₃) ₄) | A4 |
| 14808-60-7 | Quartz (SiO ₂) | A2 |

· MAK (German Maximum Workplace Concentration)

| | | |
|------------|---|----|
| 13463-67-7 | titanium dioxide | 3A |
| 14807-96-6 | Talc (Mg ₃ H ₂ (SiO ₃) ₄) | 3B |
| 96-29-7 | 2-butanone oxime | 2 |
| 14808-60-7 | Quartz (SiO ₂) | 1 |

· NIOSH-Ca (National Institute for Occupational Safety and Health)

| | |
|------------|----------------------------|
| 13463-67-7 | titanium dioxide |
| 14808-60-7 | Quartz (SiO ₂) |

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms



GHS02 GHS07

· Signal word Warning

· Hazard-determining components of labeling:

2-butanone oxime

· Hazard statements

H226 Flammable liquid and vapour.

(Contd. on page 13)

Trade name: Epifanes Multi Marine Primer

(Contd. of page 12)

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

· Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 If swallowed: Immediately call a poison center/doctor.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· National regulations:

· Technical instructions (air):

| Class | Share in % |
|-------|------------|
| I | ≤0.5 |
| NK | 25-50 |

· Water hazard class:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

· Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Date of preparation / last revision 03/31/2015 / 2

· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 1: Flammable liquids, Hazard Category 1

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Flam. Liq. 4: Flammable liquids, Hazard Category 4

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Muta. 1B: Germ cell mutagenicity, Hazard Category 1B

Carc. 1B: Carcinogenicity, Hazard Category 1B

Carc. 2: Carcinogenicity, Hazard Category 2

(Contd. on page 14)

Printing date 03/31/2015

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Trade name: Epifanes Multi Marine Primer

(Contd. of page 13)

STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

· * Data compared to the previous version altered.

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