

# Primer (Hand Quality)

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Revision date: 18/06/2018

Date of issue: 13/11/2013 Version: 3.2

# VORST



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

### 1.1. Product identifier

Product form : Mixture  
Trade name : Primer (White. Color Collection by manufacturer)  
Product code : **7195300**  
Product group : Trade product

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

#### 1.2.1. Relevant identified uses

Main use category : Professional use, Industrial use  
Industrial/Professional use spec. : Coatings and paints, thinners, paint removers  
Use of the substance/mixture : Primer  
Use of the substance/mixture : **Roller application or brushing**

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

Spuitbedrijf R. van der Horst BV  
Mercuriusplein 4a  
2685 LP Poeldijk - Nederland  
T +31 (0) 174-240 531 - F +31 (0) 174- 248 939  
[info@rvdhorst.nl](mailto:info@rvdhorst.nl) - [www.rvdhorst.nl](http://www.rvdhorst.nl)

### 1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number
NETHERLANDS	Nationaal Vergiftigingen Informatie Centrum National Institute for Public Health and the Environment, N.B.: this service is only available to health professionals	Postbus 1 3720 BA Bilthoven	+31 30 274 88 88

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 3 H226  
Specific target organ toxicity — Single exposure, Category 3, Narcosis H336  
Specific target organ toxicity — Repeated exposure, Category 2 H373  
Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411

Full text of H statements : see section 16

#### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



CLP Signal word :

Warning

Hazardous ingredients :

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Hazard statements (CLP) :

H226 - Flammable liquid and vapour.

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	H336 - May cause drowsiness or dizziness. H373 - May cause damage to organs through prolonged or repeated exposure. H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 - Do not breathe vapours, mist, spray. P280 - Wear protective clothing, protective gloves, eye protection. P284 - Wear respiratory protection. P273 - Avoid release to the environment.
EUH phrases	: EUH066 - Repeated exposure may cause skin dryness or cracking. EUH208 - Contains 2-butanone oxime(96-29-7). May produce an allergic reaction.
Extra phrases	: Reserved for industrial and professional use Before use, read the technical datasheet and the material-safety-datasheet
Child-resistant fastening	: Not applicable
Tactile warning	: Not applicable

## 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (Note P)	(CAS-No.) 64742-48-9, 1174522-20-3 (EC-No.) 919-857-5 (REACH-no) 01-2119463258-33	20 - 50	Flam. Liq. 3, H226 STOT SE 3, H336 Asp.Tox. 1, H304
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics (Note P)	(EC-No.) 919-446-0 (REACH-no) 01-2119458049-33	5 - 10	Flam. Liq. 3, H226 STOT SE 3, H336 STOT RE 1, H372 Asp.Tox. 1, H304 Aquatic Chronic 2, H411
Trizinc bis(orthophosphate)	(CAS-No.) 7779-90-0 (EC-No.) 231-944-3 (EC Index-No.) 030-011-00-6 (REACH-no) 01-2119485044-40	1 - 5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1-methoxy-2-propanol substance with a Community workplace exposure limit substance with national workplace exposure limit(s) (NL)	(CAS-No.) 107-98-2 (EC-No.) 203-539-1 (EC Index-No.) 603-064-00-3 (REACH-no) 01-2119457435-35	1 - 5	Flam. Liq. 3, H226 STOT SE 3, H336
Xylene (mixture of isomers) (Note C)	(EC-No.) 905-588-0 (REACH-no) 01-2119488216-32	1 - 5	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp.Tox. 1, H304
2-butanone oxime	(CAS-No.) 96-29-7 (EC-No.) 202-496-6 (EC Index-No.) 616-014-00-0 (REACH-no) 01-2119539477-28	0.1 - 1	Carc. 2, H351 Acute Tox. 4 (Dermal), H312 Eye Dam. 1, H318 Skin Sens. 1, H317
Zinc oxide	(CAS-No.) 1314-13-2 (EC-No.) 215-222-5 (EC Index-No.) 030-013-00-7 (REACH-no) 01-2119463881-32	0.1 - 1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Note C : Niektóre substancje organiczne są wprowadzane do obrotu w postaci określonego izomeru albo w postaci mieszaniny kilku izomerów. W tym przypadku dostawca musi podać na etykiecie, czy substancja jest określonym izomerem właściwym, czy mieszaniną izomerów.

Note P : The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102-) P260-P262- P301 + P310-P331 (Table 3.1) or the S-phrases (2-) 23-24-62 (Table 3.2) shall apply. This note applies only to certain complex oil-derived substances in Part 3.

Full text of H-statements: see section 16

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : If you feel unwell, seek medical advice (show the label where possible). Never give anything by mouth to an unconscious person. Induce artificial respiration with mask fitted with one-way valve or other suitable device; not mouth-to-mouth.
- First-aid measures after inhalation : If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Obtain emergency medical attention.
- First-aid measures after skin contact : Do not use solvents or thinners. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, consult a specialist.
- First-aid measures after ingestion : If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : Exposure to vapor exposures / mists with concentrations higher than the limit may be harmful to health.
- Symptoms/injuries after inhalation : Symptoms may include dizziness, headache, nausea and loss of co-ordination.
- Symptoms/injuries after skin contact : Repeated or prolonged contact may cause sensitization of the skin (dermatitis, reddening).
- Symptoms/injuries after eye contact : May cause irritation, including burning sensation, tearing, redness or swelling.
- Symptoms/effects after ingestion : Ingestion may cause nausea, vomiting and diarrhea.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Foam, powder, carbon dioxide (CO<sub>2</sub>), water spray.
- Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Flammable liquid. Fire will produce dense black smoke. Vapours are heavier than air and spread above ground. In use, may form flammable/explosive vapour-air mixture.
- Explosion hazard : May form flammable/explosive vapour-air mixture. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
- Hazardous decomposition products in case of fire : Fire will produce dense black smoke. Thermal decomposition generates : Carbon monoxide. Carbon dioxide. Nitrogen oxides.

### 5.3. Advice for firefighters

- Firefighting instructions : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Reference to other sections (8, 13).
- Other information : Do not use a heavy water stream. Prevent fire fighting water from entering the environment.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Flammable liquid. Keep only in the original container in a cool, well ventilated place away from : Sources of ignition. Do not discharge into drains or the environment. If the product enters drains or sewers the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the National Rivers Authority.

#### 6.1.1. For non-emergency personnel

- Protective equipment : Do not enter fire area without proper protective equipment, including respiratory protection.
- Emergency procedures : Material spilled on hard surface can present a serious slipping/falling hazard. Stop the leak. Take up liquid spill into a non combustible material e.g.: dry sand/earth/vermiculite kieselguhr, powdered limestone. Dispose in a safe manner in accordance with local/national regulations.

#### 6.1.2. For emergency responders

- Emergency procedures : Spill releases flammable vapours. In case of important spillage : Collect all waste in suitable and labelled containers and dispose according to local legislation. Ventilate area.

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## 6.2. Environmental precautions

Do not discharge into drains or the environment. Notify authorities if product enters sewers or public waters. Prevent fire fighting water from entering the environment.

## 6.3. Methods and material for containment and cleaning up

For containment : Contain or absorb spilled liquid with non-combustible material.  
Other information : Prolonged storage/in large quantities: reacts exothermically: risk of spontaneous ignition. Dispose of contaminated materials in accordance with current regulations. Refer to all applicable national, international and local regulations or provisions.

## 6.4. Reference to other sections

For disposal of contaminated materials refer to section 13 : "Disposal considerations".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Proper grounding procedures to avoid static electricity should be followed. Use only non-sparking tools. During fumigation/spraying wear suitable respiratory equipment (appropriate wording to be specified by the manufacturer).  
Precautions for safe handling : In use, may form flammable/explosive vapour-air mixture. PREVENT GENERATION OF MISTS!. Take precautionary measures against static discharges. The product may charge electrostatically: use earthing leads when transferring from one container to another. Handle in accordance with good industrial hygiene and safety procedures.  
Handling temperature : > 5 °C  
Hygiene measures : Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. Avoid contact with the skin and the eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. When using do not eat, drink or smoke. Do not breathe gas, fumes, vapour or spray. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Provide local exhaust or general room ventilation to minimize vapour concentrations. Proper grounding procedures to avoid static electricity should be followed.  
Storage conditions : Store in tightly closed, properly ventilated containers away from heat, sparks, open flame. Containers which are opened should be properly resealed and kept upright to prevent leakage.  
Incompatible materials : Store separately from oxidising agents and strongly alkaline and strongly acidic materials.  
Storage temperature : 5 - 20 °C  
Storage area : The floor of the depot should be impermeable and designed to form a water-tight basin.  
Special rules on packaging : Handle empty containers with care because residual vapours are flammable. Do not use compressed air to transfer, discharge or transport the product.  
Packaging materials : Do not store in corrodable metal. When totally empty, containers are recyclable like any other packing.

### 7.3. Specific end use(s)

Ground/bond container and receiving equipment. Use only explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Xylene (mixture of isomers)		
EU	Local name	Xylene, mixed isomers, pure
EU	IOELV TWA (mg/m <sup>3</sup> )	221 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m <sup>3</sup> )	442 mg/m <sup>3</sup>
EU	IOELV STEL (ppm)	100 ppm
EU	Notes	Skin
EU	European BLV	1.5 mg/l blood
EU	Remark (BLV – EU)	2006-12-01 ; methylhippuric acid: 2 g/l (urine), sampling time: b
EU	Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Netherlands	Local name	Xyleen, o-, m-, p-isomeren
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	210 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 8H (ppm)	50 ppm
Netherlands	Grenswaarde TGG 15MIN (mg/m <sup>3</sup> )	442 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 15MIN (ppm)	100 ppm

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**H** HORTICULTURAL  
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<b>Xylene (mixture of isomers)</b>		
Netherlands	Remark (MAC)	H (Huidopname) Stoffen die relatief gemakkelijk door de huid kunnen worden opgenomen, hetgeen een substantiële bijdrage kan betekenen aan de totale inwendige blootstelling, hebben in de lijst een Haanduiding. Bij deze stoffen moeten naast maatregelen tegen inademing ook adequate maatregelen ter voorkoming van huidcontact worden genomen.
Netherlands	Regulatory reference	Arbeidsomstandighedenregeling 2018
<b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics (64742-48-9, 1174522-20-3)</b>		
EU	Local name	White spirit Type 3
EU	IOELV TWA (mg/m <sup>3</sup> )	116 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	20 ppm
EU	IOELV STEL (mg/m <sup>3</sup> )	290 mg/m <sup>3</sup>
EU	IOELV STEL (ppm)	50 ppm
EU	Notes	skin. (Year of adoption 2007)
EU	Regulatory reference	SCOEL Recommendations
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	1200 mg/m <sup>3</sup>
<b>Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics</b>		
EU	Local name	White spirit Type 1
EU	IOELV TWA (mg/m <sup>3</sup> )	116 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	20 ppm
EU	IOELV STEL (mg/m <sup>3</sup> )	290 mg/m <sup>3</sup>
EU	IOELV STEL (ppm)	50 ppm
EU	Notes	skin. (Year of adoption 2007)
EU	Regulatory reference	SCOEL Recommendations
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	300 mg/m <sup>3</sup>
<b>1-methoxy-2-propanol (107-98-2)</b>		
EU	Local name	1-Methoxypropanol-2
EU	IOELV TWA (mg/m <sup>3</sup> )	375 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	100 ppm
EU	IOELV STEL (mg/m <sup>3</sup> )	568 mg/m <sup>3</sup>
EU	IOELV STEL (ppm)	150 ppm
EU	Notes	Skin
EU	Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Netherlands	Local name	1-Methoxy-2-propanol
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	375 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 15MIN (mg/m <sup>3</sup> )	563 mg/m <sup>3</sup>
Netherlands	Remark (MAC)	H (Huidopname) Stoffen die relatief gemakkelijk door de huid kunnen worden opgenomen, hetgeen een substantiële bijdrage kan betekenen aan de totale inwendige blootstelling, hebben in de lijst een Haanduiding. Bij deze stoffen moeten naast maatregelen tegen inademing ook adequate maatregelen ter voorkoming van huidcontact worden genomen.
Netherlands	Regulatory reference	Arbeidsomstandighedenregeling 2018
<b>Zinc oxide (1314-13-2)</b>		
EU	Local name	Zinc oxide
EU	Notes	(Ongoing)
EU	Regulatory reference	SCOEL Recommendations

<b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics (64742-48-9, 1174522-20-3)</b>	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	208 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	871 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	125 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	185 mg/m <sup>3</sup>

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<b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics (64742-48-9, 1174522-20-3)</b>	
Long-term - systemic effects, dermal	125 mg/kg bodyweight/day
<b>Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics</b>	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	44 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	330 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	26 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	71 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	26 mg/kg bodyweight/day
<b>2-butanone oxime (96-29-7)</b>	
DNEL/DMEL (Workers)	
Long-term - local effects, dermal	1.3 mg/kg
Long-term - local effects, inhalation	3.3 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Long-term - systemic effects, inhalation	2 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	0.78 mg/kg bodyweight/day
Long-term - local effects, dermal	0.78 mg/cm <sup>2</sup>
Long-term - local effects, inhalation	2 mg/m <sup>3</sup>
PNEC (Water)	
PNEC aqua (freshwater)	0.256 mg/l
PNEC (STP)	
PNEC sewage treatment plant	> 17.7 mg/l

## 8.2. Exposure controls

### Appropriate engineering controls:

Provide local exhaust or general room ventilation to minimize vapour concentrations. During fumigation wear suitable respiratory equipment. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Eyewash bottle with clean water.

### Hand protection:

Since the product consists of several substances, it is possible to estimate the durability of the glove material beforehand and it therefore needs to be tested before use. VITON gloves. Chemical resistant PVC gloves (to European standard EN 374 or equivalent)

### Eye protection:

Chemical goggles or safety glasses (Standard EN 166 - Personal eye-protection). Face shield

### Skin and body protection:

Antistatic clothing. antistatic boots. Wear suitable coveralls to prevent exposure to the skin. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse

### Respiratory protection:

Full-/Half-/quarter-face masks (DIN EN 136/140). Combined gas/dust mask with filter type A/P2. High gas/vapour concentration: gas mask with filter type A

### Environmental exposure controls:

Avoid release to the environment.

### Consumer exposure controls:

Avoid contact during pregnancy/while nursing. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. People with over sensibility problems are not allowed to work or be exposed to the product. Always wash hands after handling the product.

### Other information:

When using, do not eat, drink or smoke.

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Molecular mass	: No data available
Colour	: White. Color Collection by manufacturer
Odour	: Characteristic
Odour threshold	: No data available
pH	: No data available
pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 130 - 210 °C Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics
Flash point	: 36 °C Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics
Critical temperature	: No data available
Auto-ignition temperature	: 200 - 270 °C Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Vapour pressure at 50 °C	: No data available
Critical pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Relative density of saturated gas/air mixture	: No data available
Density	: 1.23 kg/l
Relative gas density	: No data available
Solubility	: Ethanol: No data available Ether: No data available Acetone: No data available Organic solvent: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: > 20.5 mm <sup>2</sup> /s (40 °C)
Viscosity, dynamic	: No data available
Explosive properties	: No data available.
Oxidising properties	: No data available.
Explosive limits	: 0.6 - 7 vol % Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

### 9.2. Other information

Minimum ignition energy	: No data available
Specific conductivity	: No data available
SADT	: No data available
Softening point	: No data available
Sublimation point	: No data available
Saturation concentration	: No data available
Miscibility	: No data available
VOC content	: 400 g/l
Fat solubility	: No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Store separately from oxidising agents and strongly alkaline and strongly acidic materials.

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## 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

## 10.3. Possibility of hazardous reactions

No additional information available

## 10.4. Conditions to avoid

Store in tightly closed, properly ventilated containers away from heat, sparks, open flame.

## 10.5. Incompatible materials

No additional information available

## 10.6. Hazardous decomposition products

Fire will produce dense black smoke. Hazardous decomposition products. Carbon monoxide. Carbon dioxide. Nitrogen oxides.

## SECTION 11: Toxicological information

Acute toxicity : Not classified

### Xylene (mixture of isomers)

LD50 oral rat	3523 - 4000 mg/kg
LD50 dermal rabbit	≥ 12126 mg/kg
LC50 inhalation rat (ppm)	6350 ppm/4h

### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-48-9, 1174522-20-3)

LD50 oral rat	≥ 5000 mg/kg
LD50 dermal rabbit	≥ 5000 mg/kg
LC50 inhalation rat (mg/l)	> 4951 mg/l/4h

### Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics

LD50 oral rat	≥ 5000 ml/kg
LD50 dermal rabbit	≤ 4 ml/kg
LC50 inhalation rat (mg/l)	≤ 13.1 mg/l/4h

### Trizinc bis(orthophosphate) (7779-90-0)

LD50 oral rat	> 5000 mg/kg
LC50 inhalation rat (mg/l)	5.7 mg/l/4h

### 1-methoxy-2-propanol (107-98-2)

LD50 oral rat	4016 mg/kg
LD50 dermal rabbit	≤ 11000 mg/kg
LC50 inhalation rat (mg/l)	6 - 27596 mg/l/4h

### 2-butanone oxime (96-29-7)

LD50 oral rat	2326 - 3700 mg/kg
LD50 dermal rabbit	1000 mg/kg
LC50 inhalation rat (mg/l)	13200 mg/l/4h

### Zinc oxide (1314-13-2)

LD50 oral rat	5000 - 15000 mg/kg OECD 401
LC50 inhalation rat (mg/l)	> 5.7 mg/l/4h OECD 403

Skin corrosion/irritation : Not classified

pH: No data available

Additional information : Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product

Repeated dermal contact with material can lead to defatting of the skin

Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation : Not classified

pH: No data available

Respiratory or skin sensitisation : Not classified



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Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.
Additional information	: People with over sensibility problems are not allowed to work or be exposed to the product Wear respiratory protection.
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
Additional information	: May cause damage to organs (central nervous system, hearing organs, kidneys, liver) through prolonged or repeated exposure
Aspiration hazard	: Not classified
<b>Primer (Hand Quality)</b>	
Viscosity, kinematic	> 20.5 mm <sup>2</sup> /s (40 °C)

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Xylene (mixture of isomers)

LC50 fish 1	2.6 mg/l Oncorhynchus mykiss (OESO-203)
ErC50 (algae)	1 - 10 mg/l
NOEC chronic fish	1.3 mg/l
NOEC chronic algae	0.44 mg/l

#### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-48-9, 1174522-20-3)

LC50 fish 1	> 100 mg/l
NOEC chronic fish	<= 1 mg/l
NOEC chronic crustacea	<= 1 mg/l

#### Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics

LC50 fish 1	10 - 30 mg/l Oncorhynchus mykiss
EC50 Daphnia 1	10 - 22 mg/l Daphnia magna
NOEC (chronic)	0.097 mg/l Daphnia magna

#### Trizinc bis(orthophosphate) (7779-90-0)

LC50 fish 1	0.14 - 2.6 mg/l Oncorhynchus mykiss
EC50 Daphnia 1	0.04 - 0.86 mg/l Daphnia magna
EC50 other aquatic organisms 2	0.136 - 0.15 mg/l Algae

#### 1-methoxy-2-propanol (107-98-2)

LC50 fish 1	4600 - 10000 mg/l Leuciscus Idus
EC50 Daphnia 1	500 - 23300 mg/l Daphnia magna
ErC50 (algae)	> 1000 mg/l

#### 2-butanone oxime (96-29-7)

LC50 fish 1	> 100 mg/l
EC50 Daphnia 1	≥ 201 mg/l Daphnia Magna

#### Zinc oxide (1314-13-2)

LC50 fish 1	1 - 10 mg/l
EC50 Daphnia 1	0.07 mg/l Daphnia magna

### 12.2. Persistence and degradability

#### Xylene (mixture of isomers)

Biodegradation	87.8 % after 28 days
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#### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-48-9, 1174522-20-3)

Biodegradation	80 %
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## 12.3. Bioaccumulative potential

### Primer (Hand Quality)

Log Pow | No data available

Log Kow | No data available

### Xylene (mixture of isomers)

Log Pow | 3.1 Xylene

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-48-9, 1174522-20-3)

Log Pow | 4 - 6.7

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics

Log Pow | 3.7 - 6.7

### 1-methoxy-2-propanol (107-98-2)

BCF fish 1 | 3.2

Log Pow | -0.37 - -0.437

### 2-butanone oxime (96-29-7)

Log Pow | 0.63

## 12.4. Mobility in soil

### Primer (Hand Quality)

Surface tension | No data available

### Xylene (mixture of isomers)

Surface tension | 0.75 N/m

### 1-methoxy-2-propanol (107-98-2)

Surface tension | 70.7 N/m

Log Koc | 1 - 50

## 12.5. Results of PBT and vPvB assessment

No additional information available

## 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste)	: The user's attention is drawn to the possible existence of specific European, national or local regulations regarding disposal. The European Waste Catalogue (EWC) was replaced by a combined European List of Wastes (LoW) via the Commission Decision of 3 May 2000 replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste (OJ L 226, 6.9.2000, p. 3). Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Metallic packaging. Allow volatiles to evaporate. Dispose of solid residue according to applicable regulations. Composite packaging / Plastics receptacle / with outer aluminium crate or box. When not empty dispose of this container at hazardous or special waste collection point.
Additional information	: Flammable vapours may accumulate in the container. Handle empty containers with care because residual vapours are flammable.
European List of Waste (LoW) code	: 08 01 11* - waste paint and varnish containing organic solvents or other dangerous substances 15 02 02* - absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances 15 01 04 - metallic packaging

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

UN-No. (ADR) : 1263

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : PAINT

Transport document description : UN 1263 PAINT, 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS

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## 14.3. Transport hazard class(es)

### ADR

Transport hazard class(es) (ADR) : 3  
Hazard labels (ADR) : 3



## 14.4. Packing group


Packing group (ADR) : III

## 14.5. Environmental hazards

Dangerous for the environment : Yes  
Other information : No supplementary information available

## 14.6. Special precautions for user

### - Overland transport

Classification code (ADR) : F1  
Special provisions (ADR) : 163, 367, 650  
Limited quantities (ADR) : 5I  
Excepted quantities (ADR) : E1  
Packing instructions (ADR) : P001, IBC03, LP01, R001  
Special packing provisions (ADR) : PP1  
Mixed packing provisions (ADR) : MP19  
Portable tank and bulk container instructions (ADR) : T2  
Portable tank and bulk container special provisions (ADR) : TP1, TP29  
Tank code (ADR) : LGBF  
Vehicle for tank carriage : FL  
Transport category (ADR) : 3  
Special provisions for carriage - Packages (ADR) : V12  
Special provisions for carriage - Operation (ADR) : S2  
Hazard identification number (Kemler No.) : 30  
Orange plates : 

Tunnel restriction code (ADR) : D/E

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008

Primer (Hand Quality) - Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics - Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics - 2-butanone oxime - 1-methoxy-2-propanol - Xylene (mixture of isomers)

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3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	Primer (Hand Quality) - Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics - Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics - 1-methoxy-2-propanol - Xylene (mixture of isomers)
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Primer (Hand Quality) - Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics - Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics - 2-butanone oxime - Xylene (mixture of isomers)
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	Primer (Hand Quality) - Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics - Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics - Xylene (mixture of isomers)

Contains no substance on the REACH candidate list. Contains no REACH Annex XIV substances

VOC content : 400 g/l

## 15.1.2. National regulations

Other regulations

### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

## 15.2. Chemical safety assessment - not done

For hazardous mixtures, formulators should communicate the relevant information from the exposure scenarios of the ingredient substances with the safety data sheet for the mixture. The safe use information from the exposure scenarios of the ingredient substances were consolidated in the main body of the safety data sheet for the mixture.

### For the following substances of this mixture a chemical safety assessment has been carried out

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics  
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 2-25% aromatics  
2-butanone oxime  
1-methoxy-2-propanol  
Xylene (mixture of isomers)

## SECTION 16: Other information

Indication of changes:

SDS changed items:

1	Identification of the substance/mixture and of the company/undertaking	Modified
3	Composition/information on ingredients	Modified
8	Exposure controls / Personal protection equipment	Modified
9	Physical and chemical properties	Modified
11	Toxicological information	Modified
12	Ecological information	Modified
15	Regulatory information	Modified

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods

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LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
vPvB	Very Persistent and Very Bioaccumulative

Data sources : COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Safety, health and environmental regulations/legislation specific for the substance or mixture. This information is based on current available data (Producers of raw materials, Chemical cards, ...). See also on the internet at: <http://echa.europa.eu/>. EUR-Lex Access to European Union law: <http://eur-lex.europa.eu/>.

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp.Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
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.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
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.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	Contains 2-butanone oxime(96-29-7). May produce an allergic reaction.

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