

SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Product form : Mixture
 Trade name : Primer (**Hand Quality**; colour: White)
 Product code : **7195300**

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

Main use category : Industrial use, Professional use
 Use of the substance/mixture : Primers
 Solvent-borne coatings (SB)
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

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 Mercuriusplein 4a
 2685 LP Poeldijk - Nederland
 T +31 (0) 174 240 531 - F +31 (0) 174- 248 939
info@rvdhorst.nl - 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

The classification complies with : ATP 12

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.
 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	: EUH208 - Contains 2-butanone oxime. May produce an allergic reaction.
Extra phrases	: Reserved for industrial and professional use. Read and follow the Safety Data Sheet (SDS) before use.
2.3. Other hazards	
Other hazards not contributing to the classification	: At or above flash point, vapours present may burn in open or explode if confined when mixed with air and exposed to ignition source. Heavier than air, vapours may travel long distances along ground, ignite and flash back to source.

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	(EC-No.) 919-857-5 (REACH-no) 01-2119463258-33	20 – 30	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) substance with national workplace exposure limit(s) (PL); substance with a Community workplace exposure limit (Note P)	(EC-No.) 919-446-0 (REACH-no) 01-2119458049-33	5 – 10	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 STOT RE 1, H372 Aquatic Chronic 2, H411 (M=0)
trizinc bis(orthophosphate) substance with national workplace exposure limit(s) (DE)	(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 (M=1) Aquatic Chronic 1, H410 (M=1)
1-methoxy-2-propanol; monopropylene glycol methyl ether substance with national workplace exposure limit(s) (BE, DE, NL, PL); substance with a Community workplace exposure limit	(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
Reaction mass of ethyl benzene and xylene; Xylene (mixture) substance with national workplace exposure limit(s) (BE, DE, NL, PL); substance with a Community workplace exposure limit	(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
Calcium bis(2-ethylhexanoate)	(CAS-No.) 136-51-6 (EC-No.) 205-249-0 (REACH-no) 01-2119978297-19	0.1 – 1	Eye Dam. 1, H318 Repr. 2, H361d
2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone 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
2-ethylhexanoic acid, zirconium salt substance with a Community workplace exposure limit	(CAS-No.) 22464-99-9 (EC-No.) 245-018-1 (REACH-no) 01-2119979088-21	0.1 – 1	Repr. 2, H361fd
zinc oxide substance with national workplace exposure limit(s) (BE, PL)	(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 (M=1) Aquatic Chronic 1, H410 (M=1)
Cobalt bis(2-ethylhexanoate)	(CAS-No.) 136-52-7 (EC-No.) 205-250-6 (REACH-no) 01-2119524678-29	< 0.1	Eye Irrit. 2, H319 Skin Sens. 1A, H317 Repr. 1B, H360F Aquatic Acute 1, H400 (M=1) Aquatic Chronic 3, H412

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If medical advice is needed, have product container or label at hand. If you feel unwell, seek medical advice. 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. Do not give mouth-to-mouth resuscitation if victim ingested or inhaled the substance.
First-aid measures after inhalation	: Assure fresh air breathing. If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell. Obtain emergency medical attention.
First-aid measures after skin contact	: IF ON SKIN: Gently wash with plenty of soap and water. Never clean with a solvent. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: 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, consult a specialist.
First-aid measures after ingestion	: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. (If swallowed, rinse mouth with water (only if the person is conscious)).

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

Symptoms/injuries after inhalation	: Exposure may produce cough, mucous secretions, shortness of breath, chest tightness. Symptoms may include dizziness, headache, nausea and loss of co-ordination. May cause drowsiness or dizziness. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/injuries after skin contact	: May be harmful in contact with skin. Repeated or prolonged contact may cause sensitization of the skin (dermatitis, reddening). Repeated exposure may cause skin dryness or cracking.
Symptoms/injuries after eye contact	: May cause irritation, including burning sensation, tearing, redness or swelling.
Symptoms/effects after ingestion	: May be harmful if swallowed and enters airways. May cause lung damage if swallowed. Ingestion may cause nausea, vomiting and diarrhea. IF SWALLOWED: Immediately call a POISON CENTER/doctor.
Chronic symptoms	: Effects of exposure (inhalation, ingestion, or skin contact) to substance might be delayed. More detailed information: See section 12.

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	: Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO ₂), water spray, sand, earth.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: PREVENT GENERATION OF MISTS! Flammable liquid and vapour. Vapours are heavier than air and spread above ground.
Explosion hazard	: In use, may form flammable vapour-air mixture. Vapour mixes readily with air, forming explosive mixtures. Risk of explosion if heated under confinement. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
Hazardous decomposition products in case of fire	: Do not breathe fumes from fires or vapours from decomposition. On exposure to high temperature, may decompose, releasing toxic gases. Thermal decomposition generates : Carbon monoxide. Carbon dioxide. Nitrogen oxides.

5.3. Advice for firefighters

Precautionary measures fire	: Keep container closed when not in use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. This product is not to be used under conditions of poor ventilation. Do not spray on an open flame or other ignition source.
Firefighting instructions	: Exercise caution when fighting any chemical fire. Vapour could form explosive mixture with air. Fight fire from safe distance and protected location.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. For further information refer to section 8 : "Exposure-controls/personal protection".
Other information	: The melted product and packaging adheres to the skin and causes burns. 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	: Keep container tightly closed. Containers which are opened should be properly resealed and kept upright to prevent leakage. Clean up any spills as soon as possible, using an absorbent material to collect it. Act in accordance with local emergency plan.
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6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment. For further information refer to section 8 : "Exposure-controls/personal protection".
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Emergency procedures : Spill releases flammable vapours. Do not breathe vapours. Avoid contact with skin, eyes and clothing. Material spilled on hard surface can present a serious slipping/falling hazard. Stop the leak. The substance must be handled in accordance with good industrial hygiene and safety procedures. Take up liquid spill into a non combustible material e.g.: dry sand/earth/vermiculite kieselguhr, powdered limestone. Collect all waste in suitable and labelled containers and dispose according to local legislation. Ventilate area.

6.1.2. For emergency responders

Protective equipment : In case of important spillage : Equip cleanup crew with proper protection. For further information refer to section 8 : "Exposure-controls/personal protection".

Emergency procedures : In case of important spillage : Evacuate unnecessary personnel. Stop the leak. Contain or absorb spilled liquid with earth or other absorbent material. Collect all waste in suitable and labelled containers and dispose according to local legislation. Ventilate area.

6.2. Environmental precautions

Do not discharge into drains or the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Contain or absorb spilled liquid with non-combustible material. Collect spillage.

Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Take up liquid spill into a non combustible material e.g.: dry sand/earth/vermiculite kieselguhr, powdered limestone. This material and its container must be disposed of in a safe way, and as per local legislation.

Other information : Dispose of contaminated materials in accordance with current regulations. Prolonged storage/in large quantities: reacts exothermically: risk of spontaneous ignition. 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 : PREVENT GENERATION OF MISTS! In use, may form flammable vapour-air mixture. Use non-sparking tools. Take precautionary measures against static discharges. The product may charge electrostatically: use earthing leads when transferring from one container to another. During spraying wear suitable respiratory equipment (see chapter 8 of safety data sheet).

Precautions for safe handling : Use only outdoors or in a well-ventilated area. Do not spray on an open flame or other ignition source. Do not breathe gas, mist, vapours, spray. Containers which are opened should be properly resealed and kept upright to prevent leakage. Avoid contact with skin and eyes. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety procedures.

Handling temperature : > 5 °C

Hygiene measures : When using do not eat, drink or smoke. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Avoid contact with the skin and the eyes. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Separate working clothes from town clothes. Launder separately.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : PREVENT GENERATION OF MISTS! Vapours are heavier than air and spread above ground. Vapour could form explosive mixture with air. Provide local exhaust or general room ventilation to minimize vapour concentrations. In use, may form flammable/explosive vapour-air mixture. Proper grounding procedures to avoid static electricity should be followed. Use only non-sparking tools.

Storage conditions : Keep only in original container. Keep container tightly closed. Containers which are opened should be properly resealed and kept upright to prevent leakage. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from freezing.

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

Storage temperature : 5 – 25 °C

Storage area : The floor of the depot should be impermeable and designed to form a water-tight basin. Store in a well-ventilated place. Store in a dry place. Store in a closed container.

Special rules on packaging : DO NOT REMOVE THIS PRODUCT LABEL (or equivalent wording). 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 non-sparking tools. Use only explosion-proof equipment. Take precautionary measures against static discharge.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)		
EU	Local name	White spirit Type 1
EU	IOELV TWA (mg/m ³)	116 mg/m ³
EU	IOELV STEL (mg/m ³)	290 mg/m ³
EU	IOELV STEL (ppm)	50 ppm
EU	Notes	Skin. (Year of adoption 2007)
EU	Regulatory reference	SCOEL Recommendations
1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)		
EU	Local name	1-Methoxypropanol-2
EU	IOELV TWA (mg/m ³)	375 mg/m ³
EU	IOELV STEL (mg/m ³)	568 mg/m ³
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 ³)	375 mg/m ³
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	563 mg/m ³
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 H-aanduiding. Bij deze stoffen moeten naast maatregelen tegen inademing ook adequate maatregelen ter voorkoming van huidcontact worden genomen.
Netherlands	Regulatory reference	Arbidsomstandighedenregeling 2020
Reaction mass of ethyl benzene and xylene; Xylene (mixture)		
EU	Local name	Xylene, mixed isomers, pure
EU	IOELV TWA (mg/m ³)	221 mg/m ³
EU	IOELV STEL (mg/m ³)	442 mg/m ³
EU	IOELV STEL (ppm)	100 ppm
EU	Notes	Skin
EU	BLV	1.5 mg/l blood
EU	Remark	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 ³)	210 mg/m ³
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	442 mg/m ³
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 H-aanduiding. Bij deze stoffen moeten naast maatregelen tegen inademing ook adequate maatregelen ter voorkoming van huidcontact worden genomen.
Netherlands	Regulatory reference	Arbidsomstandighedenregeling 2020
2-ethylhexanoic acid, zirconium salt (22464-99-9)		
EU	IOELV TWA (mg/m ³)	5 mg/m ³
EU	IOELV STEL (mg/m ³)	10 mg/m ³
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics		
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	300 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	1500 mg/m ³	
DNEL/DMEL (General population)		
Long-term - systemic effects, oral	300 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	900 mg/m ³	
Long-term - systemic effects, dermal	300 mg/kg bodyweight/day	
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	44 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	330 mg/m ³	

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	26 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	71 mg/m ³
Long-term - systemic effects, dermal	26 mg/kg bodyweight/day
Reaction mass of ethyl benzene and xylene; Xylene (mixture)	
DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	289 mg/m ³
Acute - local effects, inhalation	289 mg/m ³
Long-term - systemic effects, dermal	180 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	77 mg/m ³
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	174 mg/m ³
Acute - local effects, inhalation	174 mg/m ³
Long-term - systemic effects, oral	1.6 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	14.8 mg/m ³
Long-term - systemic effects, dermal	108 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.327 mg/l
PNEC aqua (marine water)	0.327 mg/l
PNEC aqua (intermittent, freshwater)	0.327 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	12.46 mg/kg dwt
PNEC sediment (marine water)	12.46 mg/kg dwt
PNEC (Soil)	
PNEC soil	2.31 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	6.58 mg/l
2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime (96-29-7)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	2.5 mg/kg bodyweight/day
Long-term - systemic effects, dermal	1.3 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	9 mg/m ³
Long-term - local effects, inhalation	3.33 mg/m ³
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	1.5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2.7 mg/m ³
Long-term - systemic effects, dermal	0.78 mg/kg bodyweight/day
Long-term - local effects, inhalation	2 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0.256 mg/l
PNEC aqua (intermittent, freshwater)	0.118 mg/l
PNEC (STP)	
PNEC sewage treatment plant	177 mg/l

8.2. Exposure controls

Appropriate engineering controls:

Protect eyes, face and skin from liquid splashes. Wear suitable protective clothing, gloves and eye/face protection. Provide local exhaust or general room ventilation to minimize vapour concentrations. In case of inadequate ventilation wear respiratory protection. During fumigation wear suitable respiratory equipment. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure -OR- Eyewash bottle with clean water.

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Hand protection:



Wear suitable gloves resistant to chemical penetration. Gloves must be replaced after each use and whenever signs of wear or perforation appear. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. 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. Examples and explanations:

Type	Material	Permeation	Thickness (mm)		Standard
butan-1-ol; n-butanol	Nitrile rubber (NBR)	6 (> 480 minutes)	0,55 mm		EN ISO 374
butan-1-ol; n-butanol	Butyl rubber	6 (> 480 minutes)	0,3 mm		EN ISO 374
Xylene	Nitrile rubber (NBR)	2 (> 30 minutes)	0,45 mm		EN ISO 374
aromatic hydrocarbons	Nitrile rubber (NBR)	6 (> 480 minutes)	0,45 mm		EN ISO 374
aromatic hydrocarbons	Viton® II	6 (> 480 minutes)	0,71 mm		EN ISO 374
n-butyl acetate	Butyl rubber	3 (> 60 minutes)	0,3-07 mm		EN ISO 374
n-butyl acetate	Nitrile rubber (NBR)	2 (> 30 minutes)	0,9 mm		EN ISO 374

Eye protection:



Eye protection should only be necessary where liquid could be splashed or sprayed. Recommended materials: Chemical goggles or face shield. Grinding: Where excessive dust may result, wear goggles

Type	Field of application	Characteristics	Standard
Chemical goggles or face shield with safety glasses	Formulation [mixing] of preparations and/or re-packaging, Roller application or brushing, Manual spraying	Plastic	EN 166

Skin and body protection:



If repeated skin contact or contamination of clothing is likely, protective clothing should be worn. Long sleeved protective clothing. Clothing that has become saturated with the product must be removed immediately because the product is absorbed through the skin. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Processes, tasks, activities covered: Recommended materials:

Type	Standard
Industrial spraying, Non industrial spraying, Recommended: Safety suit with hood, Antistatic clothing, antistatic boots	EN 1149
Formulation [mixing] of preparations and/or re-packaging, Roller application or brushing, Recommended: Safety shoes, Protective non-flammable clothing, -OR-, Normal overalls	EN 1149

Respiratory protection:



This product is part of a kit. Information in this section refers to the kit as a whole. A SDS for each of these components is included. Please do not separate any component SDS from this cover page. Kit identification: Coatings and paints, thinners, paint removers. Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the protective equipment. Examples and explanations:

Condition	Filter type	Device	Standard
Long term exposure, Manual spraying, Industrial spraying, Gas protection, Protection for Liquid particles, Protection for Solid particles	AIR, COMPRESSED	Highly recommended: Supplied-Air Respirator (SAR), Integral helmet/hoods (protection of face, head, neck), -OR- Full face mask	EN 12941
Short term exposure, Manual spraying, Non industrial spraying, Gas protection, Protection for Liquid particles, Protection for Solid particles	Gas/vapour/solid particles filter: A1/B1/P2 or A2/B2/P3	Full-/Half-face masks, Powered Air-Purifying Respirator (PAPR)	EN 14387, EN 12941, EN 148, EN 143
Grinding, Dust protection	P3, -OR-, P2	Dust mask	EN 143
Short term exposure, Roller application or brushing, Gas protection, Protection for Liquid particles	Filter A1/B1, -OR-, Filter A2/B2	Mask, -OR-, Half-mask	EN 143, EN 148, EN 149

Environmental exposure controls:

Do not allow the product, as is, to spread into the environment.

Consumer exposure controls:

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

Other information:

When using, do not eat, drink or smoke. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. May produce an allergic reaction. IF ON SKIN: Gently wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Vapours may cause drowsiness and dizziness. Call a poison center or a doctor if you feel unwell.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Viscous liquid
Colour	: White
Odour	: Characteristic. like: solvents
Odour threshold	: No data available
pH	: 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	: 155 – 192 °C Atm. press.: 1 atm Decomposition: 'no' (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics)
Flash point	: 39 °C Atm. press.: 1 atm (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics)
Auto-ignition temperature	: 200 °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
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	: 1.25 kg/l white
Solubility	: Water: insoluble in water Organic solvent:Partially soluble
Log Pow	: No data available

Viscosity, kinematic	: > 20.5 mm ² /s (40 °C)
Viscosity, dynamic	: No data available
Explosive properties	: In use may form flammable/explosive vapour-air mixture.
Oxidising properties	: No data available.
Explosive limits	: 0.6 – 7 vol % Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

9.2. Other information

Specific conductivity	: No data available
VOC content	: < 380 g/l
Refractive index	: No data available
Other properties	: At or above flash point, vapours present may burn in open or explode if confined when mixed with air and exposed to ignition source.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts vigorously with strong oxidizers and acids.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Heating may cause a fire or explosion. Liquids/vapours may ignite or react with other materials.

10.4. Conditions to avoid

Extremely high or low temperatures. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from freezing.

10.5. Incompatible materials

Avoid the build-up of electrostatic charge. Store separately from oxidising agents and strongly alkaline and strongly acidic materials.

10.6. Hazardous decomposition products

Fire will produce dense black smoke. Thermal decomposition generates : Toxic substances. Carbon monoxide. Carbon dioxide. Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Additional information	: Excessive concentrations may cause nervous system depression, headache, and weakness leading to unconsciousness Symptoms may include dizziness, headache, nausea and loss of co-ordination. Inhalation may cause irritation, cough, shortness of breath May result in aspiration into the lungs, causing chemical pneumonia Repeated or prolonged contact may cause sensitization of the skin (dermatitis, reddening).

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

LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	≥ 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

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

LD50 oral rat	> 15000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LC50 Inhalation - Rat	> 1.58 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

trizinc bis(orthophosphate) (7779-90-0)

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LC50 Inhalation - Rat	5.7 mg/l/4h

1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)

LD50 oral rat	4016 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: EU Method B.3 (Acute Toxicity (Dermal))
LD50 dermal rabbit	≤ 11000 mg/kg
LC50 Inhalation - Rat	6 – 27596 mg/l/4h

Reaction mass of ethyl benzene and xylene; Xylene (mixture)

LD50 oral rat	> 3523 mg/kg
LD50 dermal rabbit	12126 mg/kg bodyweight Animal: rabbit, Animal sex: male
LC50 inhalation rat (ppm)	6700 ppm/4h

Calcium bis(2-ethylhexanoate) (136-51-6)

LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
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2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime (96-29-7)

LD50 oral rat	> 900 mg/kg bodyweight Animal: rat, Guideline: other:U.S. EPA (1985) Toxic Substances Control Act Testing Guidelines, 40 CFR, Part 798, Subpart G. Federal Register, Vol. 50, No. 188, Fri. Sept. 27, 1985.
LD50 dermal rabbit	> 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 4.83 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

2-ethylhexanoic acid, zirconium salt (22464-99-9)

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	> 5 g/kg

zinc oxide (1314-13-2)

LD50 oral rat	> 5000 mg/kg (OECD 401)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 5.7 mg/l/4h

Cobalt bis(2-ethylhexanoate) (136-52-7)

LD50 oral rat	3129 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), 95% CL: 1750 - 5000
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation	: Not classified pH: No data available
Serious eye damage/irritation	: Not classified pH: No data available
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.

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

LOAEL (dermal, rat/rabbit, 90 days)	≥ Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
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trizinc bis(orthophosphate) (7779-90-0)

LOAEL (oral, rat, 90 days)	53.8 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
NOAEL (oral, rat, 90 days)	31.52 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)

LOAEL (oral, rat, 90 days)	2757 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)
LOAEL (dermal, rat/rabbit, 90 days)	> Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
NOAEL (oral, rat, 90 days)	919 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)

Reaction mass of ethyl benzene and xylene; Xylene (mixture)

LOAEL (oral, rat, 90 days) | 150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)

Calcium bis(2-ethylhexanoate) (136-51-6)

NOAEL (subchronic, oral, animal/male, 90 days) | 180 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: other:TSCA (1992) health Effects Testing Guidelines for Subchronic Oral Toxicity Studies. Title 40, CFR 798. 2650.

NOAEL (subchronic, oral, animal/female, 90 days) | 205 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: other:TSCA (1992) health Effects Testing Guidelines for Subchronic Oral Toxicity Studies. Title 40, CFR 798. 2650.

2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime (96-29-7)

LOAEL (oral, rat, 90 days) | 40 mg/kg bodyweight Animal: rat, Guideline: other:EPA 798.6050, 798.6200, 798.6400,

NOAEC (inhalation, rat, vapour, 90 days) | 0.09 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)

2-ethylhexanoic acid, zirconium salt (22464-99-9)

NOAEL (subchronic, oral, animal/male, 90 days) | 180 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: other:TSCA (1992) health Effects Testing Guidelines for Subchronic Oral Toxicity Studies. Title 40, CFR 798. 2650.

NOAEL (subchronic, oral, animal/female, 90 days) | 205 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: other:TSCA (1992) health Effects Testing Guidelines for Subchronic Oral Toxicity Studies. Title 40, CFR 798. 2650.

zinc oxide (1314-13-2)

LOAEL (dermal, rat/rabbit, 90 days) | 75

NOAEL (oral, rat, 90 days) | 31.52 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Primer (Hand Quality)

Viscosity, kinematic | > 20.5 mm²/s (40 °C)

SECTION 12: Ecological information**12.1. Toxicity****Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**

LC50 fish 1 | 10 – 30 mg/l Oncorhynchus mykiss

EC50 Daphnia 1 | 10 – 22 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; monopropylene glycol methyl ether (107-98-2)

LC50 fish 1 | 4600 – 10000 mg/l Leuciscus Idus

EC50 Daphnia 1 | 500 – 23300 mg/l Daphnia magna

EC50 other aquatic organisms 1 | 2954 mg/l Test organisms (species): other aquatic crustacea:Acartia tonsa

ErC50 algae | > 1000 mg/l

Reaction mass of ethyl benzene and xylene; Xylene (mixture)

LC50 fish 1 | 2.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)

EC50 Daphnia 1 | > 3.4 mg/l Test organisms (species): Ceriodaphnia dubia

ErC50 algae | 1 – 10 mg/l

NOEC chronic fish | > 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'

Calcium bis(2-ethylhexanoate) (136-51-6)

LC50 fish 1 | > 100 mg/l Test organisms (species): Oryzias latipes

EC50 Daphnia 1 | 910 mg/l Test organisms (species): Daphnia magna

LOEC (chronic) | 63 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

NOEC (chronic) | 25 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime (96-29-7)

LC50 fish 1 | > 100 mg/l Test organisms (species): Oryzias latipes

EC50 Daphnia 1 | ≈ 201 mg/l Test organisms (species): Daphnia magna

NOEC (chronic) | ≥ 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

2-ethylhexanoic acid, zirconium salt (22464-99-9)

LC50 fish 1 | > 100 mg/l Test organisms (species): Oryzias latipes

2-ethylhexanoic acid, zirconium salt (22464-99-9)

EC50 Daphnia 1	> 0.17 mg/l Test organisms (species): Daphnia magna
LOEC (chronic)	63 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	25 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

zinc oxide (1314-13-2)

LC50 fish 1	4 mg/l
EC50 Daphnia 1	0.07 mg/l Daphnia magna

12.2. Persistence and degradability**Reaction mass of ethyl benzene and xylene; Xylene (mixture)**

Biodegradation	87.8 % (after 28 days)
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12.3. Bioaccumulative potential**Primer (Hand Quality)**

Log Pow	No data available
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1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)

BCF fish 1	3.2
Log Pow	-0.37 – -0.437

Reaction mass of ethyl benzene and xylene; Xylene (mixture)

Log Pow	3.1 Xylene
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2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime (96-29-7)

Log Pow	0.63
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zinc oxide (1314-13-2)

Log Pow	1.53
Log Kow	< 4

12.4. Mobility in soil**1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)**

Surface tension	70.7 N/m
Log Koc	1 – 50

Reaction mass of ethyl benzene and xylene; Xylene (mixture)

Surface tension	0.75 N/m
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zinc oxide (1314-13-2)

Log Koc	2.2 (Literature study)
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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. Waste Management Regulation published in the Official Journal numbered 29314 on April 2, 2015. ---
Product/Packaging disposal recommendations	: Handle empty containers with care because residual vapours are flammable. When not empty dispose of this container at hazardous or special waste collection point. Allow volatiles to evaporate. Dispose of solid residue according to applicable regulations. Do not burn empty packaging. Do not cut using a blowtorch. When totally empty, containers are recyclable like any other packing.
European List of Waste (LoW) code	: 08 01 11* - waste paint and varnish containing organic solvents or other dangerous substances 15 01 04 - metallic packaging 15 02 02* - absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances 15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

In accordance with ADR

14.1. UN number

UN-No. (ADR)	: 1263
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14.2. UN proper shipping name

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

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

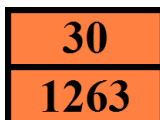
14.5. Environmental hazards

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(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) ; 1-methoxy-2-propanol; monopropylene glycol methyl ether ; Reaction mass of ethyl benzene and xylene; Xylene (mixture) ; Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
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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) ; 1-methoxy-2-propanol; monopropylene glycol methyl ether ; Reaction mass of ethyl benzene and xylene; Xylene (mixture) ; Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) ; Cobalt bis(2-ethylhexanoate) ; Calcium bis(2-ethylhexanoate) ; 2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime
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, aromatics (2-25%) ; Cobalt bis(2-ethylhexanoate)
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.	Primer (Hand Quality) ; 1-methoxy-2-propanol; monopropylene glycol methyl ether ; Reaction mass of ethyl benzene and xylene; Xylene (mixture) ; Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics ; Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

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

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content : < 380 g/l

Other information, restriction and prohibition regulations:

REACH Disclaimer:

This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation (cf Revision date and Version number). DIRECTIVE 2004/42/EC on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products. 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. Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals. VOC Directive 2004/42/EC - Decorative paints and varnishes.

15.1.2. National regulations

* 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 - Amended by: Commission Delegated Regulation (EU) 2020/11 of 29 October 2019 (Official Journal date 10.01.2020r.)

* Directive (EU) 2017/2398 of the European Parliament and of the Council of 12 December 2017 amending Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work

* Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

* Commission Decision of 3 May 2000 (2000/532/EC) 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 Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives; and: Directive (EU) 2018/852 of the European Parliament and of the Council of 30 May 2018 amending Directive 94/62/EC on packaging and packaging waste

* Directive 2012/18/EU of the European Parliament and of the Council of 4 July 2012 on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC

* Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC

* Commission Directive 2008/47/EC of 8 April 2008 amending, for the purposes of adapting to technical progress, Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers

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:

1-methoxy-2-propanol; monopropylene glycol methyl ether
 Reaction mass of ethyl benzene and xylene; Xylene (mixture)
 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics
 trizinc bis(orthophosphate)
 Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
 2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime

SECTION 16: Other information

Indication of changes:

3	Composition/information on ingredients	Modified	Please note that Commission Regulation (EU) 2018/669 of 16 April 2018 (11th ATP to CLP) introduces translations of the chemical names of substances subject to harmonised classification and labelling listed in Table 3 of Annex VI to CLP in all languages.
4	First aid measures	Modified	
5	Firefighting measures	Modified	
6	Accidental release measures	Modified	
7	Handling and storage	Modified	
8	Exposure controls / Personal protection equipment	Modified	
9	Physical and chemical properties	Modified	
10	Stability and reactivity	Modified	
11	Toxicological information	Modified	
12	Ecological information	Modified	
13	Disposal considerations	Modified	
15	Regulatory information	Modified	

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
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
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
STP	Sewage treatment plant
TLM	Median Tolerance Limit
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/>; <https://www.echemportal.org>; EUR-Lex Access to European Union law: <http://eur-lex.europa.eu/>; REACH study results (REACH study results is a collection of non-confidential substance data that was submitted to ECHA under the REACH regulation). Waste Framework Directive legislation and Amendment on the SCIP database (<https://echa.europa.eu/pl/wfd-legislation>).

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
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
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
Repr. 1B	Reproductive toxicity, Category 1B
Repr. 2	Reproductive toxicity, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A
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.
H360F	May damage fertility.
H361d	Suspected of damaging the unborn child.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
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.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains Cobalt bis(2-ethylhexanoate), 2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime. May produce an allergic reaction.

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