

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

Date of revision: 29.12.2023 Date of previous issue: 30.09.2022 Version number 11 (replaces version 10)

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1.1 Product identifier · Trade name: Akvanor 81 Primer · UFI: HV1K-1370-U004-67EV 1.2 Relevant identified uses of the substance or mixture and uses advised against · Sector of Use Coating · Application of the substance / the mixture Water borne acrylic primer Uses in Coatings - Industrial use Uses in Coatings - Professional use 1.3 Details of the supplier of the safety data sheet · Manufacturer/Supplier: Nor-Maali Oy Vanhatie 20, 15240 Lahti, FINLAND • Further information obtainable from: MSDS (Nor-Maali Oy) tel.+358 3 874 650, sds@nor-maali.fi 1.4 Emergency telephone number: Contact National Poison Center SECTION 2: Hazards identification · 2.1 Classification of the substance or mixture Product definition: mixture Classification according to Regulation (EC) No 1272/2008 GHS07 Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2 H319 Causes serious eye irritation. Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects. · 2.2 Label elements · Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the GB CLP regulation. Hazard pictograms GHS07 · Signal word Warning · Hazard statements H315 Causes skin irritation. H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects. · Precautionary statements P273 Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection. P280 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 If skin irritation occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse. P337+P313 If eye irritation persists: Get medical advice/attention. Additional information: EUH208 Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. (Contd. on page 2)

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

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· 2.3 Other hazards

· Results of PBT and vPvB assessment

- PBT: Not applicable.
- · vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- · Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components: CAS: 13463-67-7	titanium dioxide	2.5 - 10%
EINECS: 236-675-5	Carc. 2, H351	2.0 - 1070
CAS: 7779-90-0	trizinc bis(orthophosphate)	≤ 1.8%
EINECS: 231-944-3	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	-
Reg.nr.: 01-2119485044-40-		
CAS: 108-01-0	2-dimethylaminoethanol	< 1.4%
EINECS: 203-542-8 Reg.nr.: 01-2119492298-24-	Flam. Liq. 3, H226; Skin Corr. 1B, H314; Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; STOT SE 3, H335 ATE: ATE oral: 1,183 mg/kg ATE dermal: 1,219 mg/kg ATE inhalative: 6.1 mg/l Specific concentration limit: STOT SE 3; H335: C ≥ 5 %	
CAS: 1314-13-2	zinc oxide	< 0.7%
EINECS: 215-222-5 Reg.nr.: 01-2119463881-32-		
CAS: 60580-61-2	Zinc 5-nitroisophthalate	< 0.2%
EINECS: 262-309-9 Reg.nr.: 01-2120768444-47-	Aquatic Acute 1, H400; Aquatic Chronic 2, H411	
CAS: 2634-33-5 EINECS: 220-120-9	1,2-benzisothiazol-3(2H)-one	< 0.014%
Reg.nr.: 01-2120761540-60-	Eye Dam. 1, H318; Aquatic Acute 1, H400; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 ATE: ATE oral: 675.3 mg/kg ATE dermal: > 5,000 mg/kg Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.05 %	
CAS: 55965-84-9 EC number: 611-341-5	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	< 0.0007044%
	Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330; Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Skin Sens. 1A, H317, EUH071 ATE: ATE oral: 64 mg/kg ATE dermal: 87.12 mg/kg ATE inhalative: 0.33 mg/l Specific concentration limits: Skin Corr. 1C; H314: C \geq 0.6 % Skin Irrit. 2; H315: 0.06 % \leq C $<$ 0.6 % Eye Dam. 1; H318: C \geq 0.6 % Eye Irrit. 2; H319: 0.06 % \leq C $<$ 0.6 %	
	Skin Sens. 1A; H317: C ≥ 0.0015 %	

Contains: > 1 % TiO₂ (<10 µm)

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

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SECTION 4: First aid measures

· 4.1 Description of first aid measures

• General information:

Never give anything by mouth or induce vomiting to an unconscious person or a person who has convulsions. **After inhalation:**

Remove person to fresh air, keep patient warm and at rest. If breathing is irregular, call national emergency number, if needed start giving artificial respiration and seek medical advice.

After skin contact:

Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

After eye contact:

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.

After swallowing:

If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do not induce vomiting.

- · Information for doctor: Treatment according to symptoms.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- · Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- · For safety reasons unsuitable extinguishing agents: Water with full jet
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- 5.3 Advice for firefighters

Evacuate people from danger area and deny access to area. Remove containers from danger area and try to cool containers which cannot be removed safely. This material is harmful to aquatic life with long lasting effects. Fire water contamined with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

· Protective equipment: Compressed air respirator and protective clothing.

SECTION 6: Accidental release measures

- · 6.1 Personal precautions, protective equipment and emergency procedures Not required.
- · 6.2 Environmental precautions:

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material.

6.3 Methods and material for containment and cleaning up:

Absorb liquid components with liquid-binding material (sand, peat or other absorbent material).

Ensure adequate ventilation.

- 6.4 Reference to other sections
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Handling must be organised so that skin contact with the product and splashes to eyes can be avoided. • Information about fire - and explosion protection: No special measures required.

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- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles:

The product must be stored in a dry, well ventilated, cool (temperature > +5 °C) space. Must be transported and stored free from frost. Containers must be kept tightly closed and away from foodstuff.

- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

- Ingredients with limit values that require monitoring at the workplace:
- The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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7779-9		bis(orthophosphate)	
Derma		83 mg/kg bw/day (Workers - Long-term systemic effects)	
		5 mg/m3 (Workers - Long-term systemic effects)	
108-01	-0 2-dimet	hylaminoethanol	
Derma	I DNEL	1.2 mg/kg bw/day (Workers - acute systemic effects)	
		250 μg/kg bw/day (Workers - Long-term systemic effects)	
Inhalat	ive DNEL	1.76 mg/m3 (Workers - Long-term systemic effects)	
		5.28 mg/m3 (Workers - acute systemic effects)	
		1.76 mg/m3 (Workers - Long-term local effects)	
1314-1	3-2 zinc o		
Derma	I DNEL	83 mg/kg bw/day (Workers - Long-term systemic effects)	
Inhalat	ive DNEL	5 mg/m3 (Workers - Long-term systemic effects)	
2634-3		nzisothiazol-3(2H)-one	
Derma		0.966 mg/kg bw/day (Workers - Long-term systemic effects)	
Inhalati	ive DNEL	6.81 mg/m3 (Workers - Long-term systemic effects)	
PNECs	<u> </u>		
7779-9	0-0 trizinc	bis(orthophosphate)	
PNEC	117.8 mg/	/kg dwt (Fresh water sediment)	
	56.5 mg/k	g dwt (Marine water sediment)	
	35.6 mg/k	g dwt (Soil)	
PNEC	20 µg/L (F	reshwater)	
	6.1 µg/L (l	Marine water)	
	100 µg/L ((Sewage treatment)	
108-01	-0 2-dimet	thylaminoethanol	
PNEC	10 mg/L (Sewage treatment)	
PNEC	0.246 mg/	/kg dwt (Fresh water sediment)	
	0.015 mg/	/kg dwt (Marine water sediment)	
PNEC	0.01 mg/k	01 mg/kg (Soil)	
PNEC	66.1 µg/L	L (Freshwater)	
	4 µg/L (Ma	arine water)	
1314-1	3-2 zinc o	xide	
PNEC	117.8 mg/	/kg dwt (Fresh water sediment)	
	56.5 mg/k	g dwt (Marine water sediment)	
PNEC	35.6 mg/k	g (Soil)	
PNEC	20.6 µg/L	(Freshwater)	
	-	(Contd. on pag	



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	6.1 µg/L (Marine water)	
	100 μg/L (Sewage treatment)	
	61-2 Zinc 5-nitroisophthalate	
	117.8 - 462 mg/kg dwt (Fresh water sediment)	
	56.5 - 221 mg/kg dwt (Marine water sediment)	
	35.6 - 139.6 mg/kg (Soil)	
	20.6 - 80.8 μg/L (Freshwater)	
	6.1 - 23.9 μg/L (Marine water)	
	100 - 392.2 μg/L (Sewage treatment)	
	3-5 1,2-benzisothiazol-3(2H)-one	
	1.03 mg/L (Sewage treatment)	
	0.0499 mg/kg dwt (Fresh water sediment)	
	0.00499 mg/kg dwt (Marine water sediment)	
	3 mg/kg (Soil)	
	4.03 μg/L (Freshwater)	
	0.403 μg/L (Marine water)	
	onal information: formation is based on the valid lists at the time of manufacture (Finland 654/2020).	
particul • Respir	et ventilation and good general extraction. If these are not sufficient to maintain concentrations of lates and solvent vapours below the HTP, suitable respiratory protection must be worn. ratory protection: Use suitable respiratory protective device in case of insufficient ventilation. protection	
	Protective gloves	
Materia Wear s	on of the glove material on consideration of the penetration times, rates of diffusion and the degradat al of gloves suitable gloves tested to EN374. a used, gloves(breakthrough time) 4 - 8 hours: butyl rubber, nitrile rubber	ioı
	ration time of glove material	
The exa	act break through time has to be found out by the manufacturer of the protective gloves and has to b	Э
observe		
	Tightly sealed goggles e flushing device should be located near the the paint work area.	
	protection: Protective work clothing	
SECT	ION 9: Physical and chemical properties	
	ormation on basic physical and chemical properties	_
	al Information	
	ral state Fluid	
Colour	r: Colourful	

· Odour: · Odour threshold: Colourful Mild Not determined.

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	Undetermined.
Boiling point or initial boiling point and boiling	
range	100 °C (7732-18-5 water, distilled, conductivity or of
-	similar purity)
Flammability	Not applicable.
	Not applicable.
	Not determined.
	8 - 9
Viscosity:	0 - 0
-	> 20.5 mm²/s
	Not determined.
j · · · ·	Not determined.
Solubility	
	Fully miscible.
	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density at 20 °C:	1.3 g/cm ³
	Not determined.
Vapour density	Not determined.
Explosive properties:	Product is not selfigniting. Product does not present an explosion hazard.
Change in condition	
Change in condition Evaporation rate	Not determined.
Evaporation rate Information with regard to physical hazard classes	
Evaporation rate Information with regard to physical hazard classes Explosives	Not determined.
Evaporation rate Information with regard to physical hazard classes Explosives	Not determined.
Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases	Not determined.
Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols	Not determined. Void Void
Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases	Not determined. Void Void Void
Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure	Not determined. Void Void Void Void Void Void
Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids	Not determined. Void Void Void Void Void Void Void Void
Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids	Not determined. Void Void Void Void Void Void Void Void
Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures	Not determined. Void Void Void Void Void Void Void Void
Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids	Not determined. Void Void Void Void Void Void Void Void
Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids	Not determined. Void Void Void Void Void Void Void Void
Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures	Not determined. Void Void Void Void Void Void Void Void
Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures Substances and mixtures, which emit flammable	Not determined. Void Void Void Void Void Void Void Void
Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures Substances and mixtures, which emit flammable gases in contact with water	Not determined. Void Void Void Void Void Void Void Void
Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures Substances and mixtures, which emit flammable gases in contact with water Oxidising liquids	Not determined. Void Void Void Void Void Void Void Void
Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures Substances and mixtures, which emit flammable gases in contact with water Oxidising liquids Oxidising solids	Not determined. Void Void Void Void Void Void Void Void
Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures Substances and mixtures, which emit flammable gases in contact with water Oxidising liquids Oxidising solids	Not determined. Void Void Void Void Void Void Void Void
Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures Substances and mixtures, which emit flammable gases in contact with water Oxidising liquids Oxidising solids Organic peroxides	Not determined. Void Void Void Void Void Void Void Void

SECTION 10: Stability and reactivity

• 10.1 Reactivity No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications. • 10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

10.4 Conditions to avoid No further relevant information available.

• 10.5 Incompatible materials: No further relevant information available.

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· 10.6 Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

• Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification	1:
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	-	r Estimates)
Oral	LD50	85,703 mg/kg (rat)
Inhalative	LC50/4 h	434 mg/l (rat)
13463-67-	7 titanium	dioxide
Oral	LD50	> 5,000 mg/kg (rat)
Dermal	LD50	> 10,000 mg/kg (rabbit)
7779-90-0	trizinc bis	s(orthophosphate)
Oral	LD50	> 5,000 mg/kg (rat)
Inhalative	LC50/4 h	> 5.7 mg/l (rat)
108-01-0 2	2-dimethyl	aminoethanol
Oral	LD50	1,182.7 mg/kg (rat)
Dermal	LD50	3,000 mg/kg (rabbit)
Inhalative	LC50/4 h	5.983 mg/l (rat)
1314-13-2	zinc oxid	e
Oral	LD50	> 5,000 mg/kg (rat)
Dermal	LD50	> 2,000 mg/kg (rat)
Inhalative	LC50/4 h	5,700 mg/l (rat)
60580-61-	2 Zinc 5-n	itroisophthalate
Oral	LD50	4,640 - 10,000 mg/kg (rat)
2634-33-5	1,2-benzi	sothiazol-3(2H)-one
Oral	LD50	675.3 mg/kg (rat)
Oral Dermal	LD50 LD50	675.3 mg/kg (rat) > 5,000 mg/kg (rabbit)
Dermal	LD50 9 reaction	> 5,000 mg/kg (rabbit)
Dermal	LD50 9 reaction	> 5,000 mg/kg (rabbit) mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methy
Dermal 55965-84- Oral Dermal	LD50 9 reaction 2H-isoth LD50 LD50	 > 5,000 mg/kg (rabbit) mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyliazol-3-one [EC no. 220-239-6] (3:1) 64 mg/kg (rat) 87.12 mg/kg (rabbit)
Dermal 55965-84- Oral Dermal Skin corre	LD50 9 reaction 2H-isoth LD50 LD50 osion/irrita	> 5,000 mg/kg (rabbit) mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methy iazol-3-one [EC no. 220-239-6] (3:1) 64 mg/kg (rat) 87.12 mg/kg (rabbit) ation
Dermal 55965-84- Oral Dermal Skin corro Causes sk	LD50 9 reaction 2H-isoth LD50 LD50 osion/irritation	> 5,000 mg/kg (rabbit) mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methy iazol-3-one [EC no. 220-239-6] (3:1) 64 mg/kg (rat) 87.12 mg/kg (rabbit) ation
Dermal 55965-84- Oral Dermal Skin corro Causes sk Serious e	LD50 9 reaction 2H-isoth LD50 LD50 osion/irritation ye damag	> 5,000 mg/kg (rabbit) mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methy iazol-3-one [EC no. 220-239-6] (3:1) 64 mg/kg (rat) 87.12 mg/kg (rabbit) ation e/irritation
Dermal 55965-84- Oral Dermal Skin corro Causes sk Serious e Causes se	LD50 9 reaction 2H-isoth LD50 DSion/irrita in irritation ye damage prious eye	> 5,000 mg/kg (rabbit) mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methy iazol-3-one [EC no. 220-239-6] (3:1) 64 mg/kg (rat) 87.12 mg/kg (rabbit) ation e/irritation irritation.
Dermal 55965-84- Oral Dermal Skin corro Causes sk Serious e Causes se Respirato Germ cell	LD50 9 reaction 2H-isoth LD50 Dosion/irritation ye damag erious eye ry or skin mutageni	> 5,000 mg/kg (rabbit) mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methy iazol-3-one [EC no. 220-239-6] (3:1) 64 mg/kg (rat) 87.12 mg/kg (rabbit) ation e/irritation irritation. sensitisation Based on available data, the classification criteria are not met. city Based on available data, the classification criteria are not met.
Dermal 55965-84- Oral Dermal Skin corro Causes sk Serious e Causes se Respirato Germ cell Carcinoge	LD50 9 reaction 2H-isoth LD50 LD50 osion/irritation ye damagerious eye rry or skin mutageni enicity Bas	 > 5,000 mg/kg (rabbit) mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyliazol-3-one [EC no. 220-239-6] (3:1) 64 mg/kg (rat) 87.12 mg/kg (rabbit) ation e/irritation sensitisation Based on available data, the classification criteria are not met. city Based on available data, the classification criteria are not met. sed on available data, the classification criteria are not met.
Dermal 55965-84- Oral Dermal Skin corre Causes sk Serious e Causes se Respirato Germ cell Carcinoge Reproduc	LD50 9 reaction 2H-isoth LD50 LD50 Dosion/irritation ye damagerious eye rrous eye rry or skin mutageni enicity Bas tive toxici	 > 5,000 mg/kg (rabbit) mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyliazol-3-one [EC no. 220-239-6] (3:1) 64 mg/kg (rat) 87.12 mg/kg (rabbit) ation e/irritation sensitisation Based on available data, the classification criteria are not met. city Based on available data, the classification criteria are not met. ty Based on available data, the classification criteria are not met. ty Based on available data, the classification criteria are not met.
Dermal 55965-84- Oral Dermal Skin corre Causes sk Serious e Causes se Respirato Germ cell Carcinoge Reproduc STOT-sing	LD50 9 reaction 2H-isoth LD50 LD50 Dosion/irritation ye damage erious eye i ry or skin mutageni enicity Bas tive toxici gle expose	 > 5,000 mg/kg (rabbit) mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyliazol-3-one [EC no. 220-239-6] (3:1) 64 mg/kg (rat) 87.12 mg/kg (rabbit) ation ation e/irritation sensitisation Based on available data, the classification criteria are not met. city Based on available data, the classification criteria are not met. ty Based on available data, the classification criteria are not met. ty Based on available data, the classification criteria are not met. ty Based on available data, the classification criteria are not met.
Dermal 55965-84- Oral Dermal Skin corro Causes sk Serious e Causes se Respirato Germ cell Carcinoge Reproduc STOT-sin STOT-rep	LD50 9 reaction 2H-isoth LD50 LD50 Dosion/irritation ye damag erious eye ry or skin mutageni enicity Bas titve toxici gle expose eated exp	 > 5,000 mg/kg (rabbit) mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyliazol-3-one [EC no. 220-239-6] (3:1) 64 mg/kg (rat) 87.12 mg/kg (rabbit) ation e/irritation rritation. sensitisation Based on available data, the classification criteria are not met. city Based on available data, the classification criteria are not met. ty Based on available data, the classification criteria are not met. ty Based on available data, the classification criteria are not met. ty Based on available data, the classification criteria are not met. ty Based on available data, the classification criteria are not met.
Dermal 55965-84- Oral Dermal Skin corro Causes sk Serious e Causes se Respirato Germ cell Carcinoge Reproduc STOT-sin STOT-rep Aspiration	LD50 9 reaction 2H-isoth LD50 LD50 psion/irrita in irritation ye damag erious eye ry or skin mutageni enicity Bas tive toxici gle expos eated exp n hazard E	 > 5,000 mg/kg (rabbit) mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyliazol-3-one [EC no. 220-239-6] (3:1) 64 mg/kg (rat) 87.12 mg/kg (rabbit) ation e/irritation rritation. sensitisation Based on available data, the classification criteria are not met. city Based on available data, the classification criteria are not met. ty Based on available data, the classification criteria are not met. ty Based on available data, the classification criteria are not met.
Dermal 55965-84- Oral Dermal Skin corre Causes se Respirato Germ cell Carcinoge Reproduc STOT-sing STOT-rep Aspiration 11.2 Infor	LD50 9 reaction 2H-isoth LD50 LD50 psion/irritation ye damaguerious eye rry or skin mutageni enicity Bas tive toxici gle exposi eated exposi eated exp n hazard E mation on	 > 5,000 mg/kg (rabbit) mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyliazol-3-one [EC no. 220-239-6] (3:1) 64 mg/kg (rat) 87.12 mg/kg (rabbit) ation e/irritation rritation sensitisation Based on available data, the classification criteria are not met. city Based on available data, the classification criteria are not met. ty Based on available data, the classification criteria are not met. ty Based on available data, the classification criteria are not met. ty Based on available data, the classification criteria are not met. ty Based on available data, the classification criteria are not met. ty Based on available data, the classification criteria are not met. to Based on available data, the classification criteria are not met.

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· 12.1 Toxic	•
	7 titanium dioxide
	10,000 mg/L (Fish) (OECD 203)
	trizinc bis(orthophosphate)
	> 2.34 mg/L (Daphnia magna)
	0.112 - 2.92 mg/L (Fish)
	0.136 - 0.15 mg/L (Algae)
	2-dimethylaminoethanol
	66.08 mg/L (Algae)
	98.37 mg/L (Daphnia magna)
	146.63 mg/L (Fish)
	zinc oxide
	0 0.3 - 1.94 mg/L (Algae)
) 155 - 100,000 ppm (Daphnia magna)
	112 - 8,062 ppm (Fish)
	2 Zinc 5-nitroisophthalate
48-h EC50	0.155 - 2.909 mg/L (Daphnia magna)
96-h LC50	0,112 - 4,189.8 mg/L (Fish)
96-h EC50	0 1,448 mg/L (Algae)
2634-33-5	1,2-benzisothiazol-3(2H)-one
	0 0.11 mg/L (Algae)
) 2.9 - 2.94 mg/L (Daphnia magna)
	2.15 - 22 mg/L (Fish)
Biodegrad Trizinc bisi zinc oxide: 12.3 Bioad 12.4 Mobi 12.5 Resu PBT: Not VPvB: Not 12.6 Endo	(orthophosphate): not readily : not readily ccumulative potential No further relevant information available. lity in soil No further relevant information available. lts of PBT and vPvB assessment

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

Recommendation

Do not allow to enter drains or watercourses. Material and/or container must be disposed of as hazardous waste.

· European waste catalogue

08 01 15* aqueous sludges containing paint or varnish containing organic solvents or other hazardous substances

· Uncleaned packaging:

· Recommendation:

Empty, dry paint containers (hole made to the bottom) should be taken to collection centres for metallic paint packages. If this collecting/recycling centre doesn't exist, containers can be taken to a local dump pit. For more information contact your local waste disposal authorities or paint deliverer.

GB



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SECTION 14: Transport information

 14.1 UN number or ID number ADR, ADN, IMDG, IATA 	Not dangerous goods		
 14.2 UN proper shipping name ADR, ADN, IMDG, IATA 	Not dangerous goods		
· 14.3 Transport hazard class(es)			
· ADR, ADN, IMDG, IATA · Class	Not dangerous goods		
 14.4 Packing group ADR, IMDG, IATA 	Not dangerous goods		
 14.5 Environmental hazards: Marine pollutant: 	No		
 14.6 Special precautions for user 	Do not freeze. Warm transport.		
 • 14.7 Maritime transport in bulk according to IMO instruments Not applicable. 			
· UN "Model Regulation":	Not dangerous goods		

SECTION 15: Regulatory information

 $^{\cdot}$ 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture $^{\cdot}$ Poisons Act

· Regulated explosives precursors	
None of the ingredients is listed.	
· Regulated poisons	
None of the ingredients is listed.	
· Reportable explosives precursors	
None of the ingredients is listed.	
· Reportable poisons	
7632-00-0 sodium nitrite	Listed
 Directive 2012/18/EU Named dangerous substances - ANNEX I None of the ingredients is listed. REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3 	
 DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in el electronic equipment – Annex II 	ectrical and
None of the ingredients is listed.	
· REGULATION (EU) 2019/1148	
 Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of under Article 5(3)) 	licensing
None of the ingredients is listed.	
· Annex II - REPORTABLE EXPLOSIVES PRECURSORS	
None of the ingredients is listed.	
Regulation (EC) No 273/2004 on drug precursors	
None of the ingredients is listed.	
 Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Co third countries in drug precursors 	ommunity and
None of the ingredients is listed.	
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(Contd. of page 9) · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

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

· Relevant phrases

- H226 Flammable liquid and vapour.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H310 Fatal in contact with skin.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- May cause an allergic skin reaction. H317
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- Harmful if inhaled. H332
- H335 May cause respiratory irritation.
- H351 Suspected of causing cancer.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- Toxic to aquatic life with long lasting effects. H411
- EUH071 Corrosive to the respiratory tract.
- · Contact: Nor-Maali Oy, tel. +358 3 874 650 or sds@nor-maali.fi
- Date of previous version: 30.09.2022
- · Version number of previous version: 10

Abbreviations and acronyms:

ATE: Acute toxicity estimate values

- Flam. Liq. 3: Flammable liquids Category 3

- Acute Tox. 3: Acute toxicity Category 3 Acute Tox. 4: Acute toxicity Category 4 Acute Tox. 2: Acute toxicity Category 2 Skin Corr. 1B: Skin corrosion/irritation Category 1B Skin Corr. 1C: Skin corrosion/irritation Category 1C
- Skin Irrit. 2: Skin corrosion/irritation Category 2
- Eye Dam. 1: Serious eye damage/eye irritation Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation Category 2 Skin Sens. 1: Skin sensitisation Category 1 Skin Sens. 1A: Skin sensitisation Category 1A
- Carc. 2: Carcinogenicity Category 2 STOT SE 3: Specific target organ toxicity (single exposure) - Category 3
- Aquatic Acute 1: Hazardous to the aquatic environment acute aquatic hazard Category 1
- Aquatic Chronic 1: Hazardous to the aquatic environment long-term aquatic hazard Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment long-term aquatic hazard Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment long-term aquatic hazard Category 3
 - * Data compared to the previous version altered.

