

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



28500 Kremer Color Paste - Red

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Revised edition: 19.09.2017

Version: 4

Printed: 04.02.2019

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Kremer Color Paste - Red

Article No.: 28500

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:

Coloring agent

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Kremer Pigmente GmbH & Co. KG

Address: Hauptstr. 41-47, 88317 Aichstetten, Germany

Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606

Internet: www.kremer-pigmente.de

E-Mail: info@kremer-pigmente.de

Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

This product does not require classification and labelling as hazardous according to CLP/GHS.

Classification according to Directive No. 67/548/EC or No. 1999/45/EC

Safety Phrases:

Possible Environmental Effects:

2.2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

This product does not require classification and labelling as hazardous according to CLP/GHS.

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

2.3. Other Hazards

Contains a mixture of 5-Chloro-2-methylisothiazolin-3(2H)-one (EG next page: 2

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247-500-7) and 2-Methylisothiazol-3(2H)-one (EG 220-239-6)
(3:1), 1,2-Benzisothiazol-3(2H)-one, C.I. Azoic Coupl. Comp. 18
EUH208: Can cause allergic reactions.

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: C.I. Pigment Red 112 in aqueous dispersion containing 1,2-propandiol

Information on Components / Hazardous Ingredients:

Alkylether sulphate, sodium salt (Xi; R36-41; H315-319)	1 - 10 %	CAS-Nr: 219756-63-5 EINECS-Nr: EC-Nr: 639-480-7
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C.I. Azoic Coupl. Comp. 18; 3-Hydroxy-2'-methyl-2-naphthanilide (H317-411)	0.25 - 1 %	CAS-Nr: 135-61-5 EINECS-Nr: 205-205-0 EC-Nr:
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1,2-Benzisothiazol-3(2H)-one (Xn,N; R22-38-41-43-50; H302-315-317-318-400)	0.0025-0.025 %	CAS-Nr: 2634-33-5 EINECS-Nr: 220-120-9 EC-Nr: 613-088-00-6
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Mixture of: 5-Chloro-2-methyl-2H-isothiazole-3-one (EC 274-500-7) and 2-Methyl-2H-isothiazole-3-one (EC 220-239-6) (3:1) (H301-310-314-317-318-330-400 (M=100)-H410 (M=10))	0.0002-0.0015 %	CAS-Nr: 55965-84-9 EINECS-Nr: EC-Nr: 613-167-00-5
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Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Seek medical attention in case of complaints.

After inhalation:

Supply fresh air and keep patient calm.

After skin contact:

Wash off with plenty of water and soap.

After eye contact:

Rinse open eyes with plenty of water. In case of discomfort seek medical help.

After ingestion:

*If symptoms persist consult physician.
Do not induce vomiting.*

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

None known.

Effects:

Indication of any Immediate Medical Attention and special Treatment needed

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4.3.

Treatment:

Treat symptomatically.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Foam, carbon dioxide (CO₂), extinguishing powder, water spray jet.

Unsuitable extinguishing media:

Water with full jet.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: formation of carbon oxides, nitrogen oxides, sulfuric oxides, hydrogen chloride (HCl).

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device and full protective gear.

Further information:

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Avoid contact with eyes and skin.

6.2. Environmental Precautions

Environmental precautions:

Prevent contamination of soils, drains and surface water.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Contain with absorbent material (sand, Silica Gel, acid binder, universal absorbent, saw dust) and dispose accordingly.

6.4. Reference to other Sections

See Section 13 for information on disposal.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

No special measures necessary if properly handled.

Hygienic measures:

Change contaminated clothing. Preventive skin protection recommended. Wash hands after work.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Protect from frost.

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Should product turn cloudy, thicken or freeze it can be thawed at room temperature by stirring. Product can then be used as usual.

Requirements for storage areas and containers:

Information on fire and explosion protection:

Follow the usual measures for preventive fire protection.

Storage class (VCI):

12; Non-combustible liquids

Further Information:

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

Does not contain any components with workplace limit values.

Parameters to be controlled:

Derived No-Effect Level (DNEL):

C.I. Pigment Red 112 (6535-46-2):

42 mg/kg bw/d (worker, skin contact, long-term exposition - systemic effects)

49 mg/m³ (worker, inhalation, long-term exposition - systemic effects)

3 mg/m³ (worker, inhalation, long-term exposition - local effects)

25 mg/kg (consumer, skin contact/swallowing, long-term exposition - systemic effects)

Propylene glycol (57-55-6):

168 mg/m³ (worker, inhalation, long-term exposition - systemic effects)

10 mg/m³ (worker, inhalation, long-term exposition - local effects)

50 mg/m³ (consumer, inhalation, long-term exposition - systemic effects)

10 mg/m³ (consumer, inhalation, long-term exposition - local effects)

213 mg/m³ (consumer, skin contact, long-term exposition - systemic effects)

85 mg/m³ (consumer, swallowing, long-term exposition - systemic effects)

Predicted No-Effect Concentration (PNEC):

Propylene glycol (57-55-6):

Fresh water: 260 mg/l

Fresh water sediment: 572 mg/kg dw

Sea water: 26 mg/l

Sea water sediment: 57.2 mg/kg dw

Sewage treatment system (STP): 20000 mg/l

Intermittent release: 183 mg/l

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Soil: 50 mg/kg dw
5-Chlor-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1) (55965-84-9):
Fresh water: 0.049 µg/l
Sea water: 0.0098 µg/l
Sewage treatment system (STP): 0.045 µg/l
Soil: 0.009 µg/l

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation/exhaust system.

Personal Protection

General protective measures:

*The usual precautionary measures are to be adhered to when handling chemicals.
Remove contaminated clothing. Wash hands after work.
Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.*

Respiratory protection:

Respiratory equipment required in case of insufficient ventilation, filter type A-P2 (organic gases and vapors).

Hand protection:

Protective gloves

Protective glove material:

Nitrile rubber

Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time.

Eye protection:

Safety glasses (EN 166)

Body protection:

Protective clothing.

Environmental precautions:

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: liquid

Color: red

Odor: mild

Odor threshold:
not relevant

pH-Value: 6 - 7

Melting temperature:
not applicable

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<i>Boiling temperature:</i>	<i>> 100°C (1013 hPa)</i>
<i>Flash point:</i>	<i>not available</i>
<i>Evaporation rate:</i>	<i>No information available.</i>
<i>Flammability (solid, gas):</i>	<i>not applicable</i>
<i>Upper explosion limit:</i>	<i>not determined</i>
<i>Lower explosion limit:</i>	<i>not determined</i>
<i>Vapor pressure:</i>	<i>not determined</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>1.18 g/cm³</i>
<i>Solubility in water:</i>	<i>miscible</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>not determined</i>
<i>Auto-ignition temperature:</i>	<i>not determined</i>
<i>Decomposition temperature:</i>	<i>> 100°C</i>
<i>Viscosity, dynamic:</i>	<i>300 - 1300 mPa.s (23°C)</i>
<i>Explosive properties:</i>	<i>not applicable</i>
<i>Oxidizing properties:</i>	<i>No information available.</i>

Bulk density:

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

10. Stability and Reactivity

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10.1.	Reactivity	<i>No decomposition if used according to specifications.</i>
10.2.	Chemical Stability	<i>Stable if used according to specifications.</i>
10.3.	Possibility of Hazardous Reactions	<i>None if handled and stored according to specifications.</i>
10.4.	Conditions to Avoid	<i>Conditions to avoid:</i> <i>No information available.</i> <i>Thermal decomposition:</i>
10.5.	Incompatible Materials	<i>No information available.</i>
10.6.	Hazardous Decomposition Products	<i>None if stored and handled according to specifications.</i>
10.7.	Further Information	
11.	Toxicological Information	
11.1.	Information on Toxicological Effects	
	<i>Acute Toxicity</i>	
	<i>LD50, oral:</i>	<i>C.I. Azoic Coup. Comp. 18: > 5000 mg/kg (rat, female; OECD 401)</i> <i>1,2-Benzisothiazol-3(2H)-one: 670 - 784 mg/kg (rat, m/f; OECD 401)</i> <i>5-Chlor-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1): 64 mg/kg (rat)</i>
	<i>LD50, dermal:</i>	<i>1,2-Benzisothiazol-3(2H)-one: > 2000 mg/kg (rat, m/w)</i> <i>5-Chlor-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1): 92.4 mg/kg (rabbit)</i>
	<i>LC50, inhalation:</i>	<i>1,2-Benzisothiazol-3(2H)-one: 0.5 mg/l (4h, rat, m/f)</i> <i>5-Chlor-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1): 0.171 mg/l (4h, rat, m/f)</i>
	<i>Primary effects</i>	
	<i>Irritant effect on skin:</i>	<i>C.I. Azoic Coupl. Comp. 18: no irritating effect (4h, rabbit)</i> <i>1,2-Benzisothiazol-3(2H)-one: irritating (4h, rabbit)</i> <i>5-Chlor-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1): caustic after 1-4 hours of exposition</i>
	<i>Irritant effect on eyes:</i>	<i>C.I. Azoic Goupl. Comp. 18: no irritating effect (24h; rabbit)</i> <i>1,2-Benzisothiazol-3(2H)-one: irritating (2.9h - 11d, rabbit)</i> <i>5-Chlor-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1): Gefahr ernster Augenschäden (Kaninchenauge)</i>
	<i>Inhalation:</i>	

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No information available.

Ingestion:

No information available

Sensitization:

*C.I. Azoic Coup. Comp. 18: sensitizing (Mouse Local Lymph Node Assay (LLNA); OECD 429)
1,2-Benzisothiazol-3(2H)-one: sensitizing (skin, guinea pig)
5-Chlor-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1): sensitizing (skin, sub-category 1A): Toxic if swallowed, fatal in case of contact with skin and if inhaled. Causes severe skin burns and eye damage. May cause allergic skin reactions.*

Mutagenicity:

*C.I. Azoic Coupl. Comp. 18: In vitro genetic-toxicity: Ames-Test negative (4-10000 µg/plate, Salmonella typhimurium; OECD 471)
1,2-Benzisothiazol-3(2H)-one: In vitro genetic-toxicity: Mouse-Lymphoma-Test negative (0,1-12,8 µg/ml; Salmonella typhimurium; OECD 476); Ames-Test negative (0,064-200 µg/plate, Salmonella typhimurium; OECD 471); Chromosomal Aberration Test (1-40 µg/ml, human lymphocytes; OECD 473): positive
In vivo genetic-toxicity: negative (560-1400 mg/kg, rat (m), oral; OECD 486); Mikronucleus-Test negative (125-250-500-1000-2000-5000 mg/kg, mouse (m/f), oral; OECD 474)
5-Chlor-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1): In vivo genetic-toxicity (Micronucleus Test): negative (bone marrow rat, oral, <=5d, 1-5x <=28 mg/kg); negative (mouse, oral, <=5d, 1-5x <=20-30 mg/kg)*

Reproductive toxicity:

*C.I. Azoic Coupl. Comp. 18: not determined
1,2-Benzisothiazol-3(2H)-one: Did not show any reproductive toxicity: NOAEL Parents: 18.5 mg/kg KW, NOAEL FI: 48 mg/kg KW (oral, food, dosage: 18.5-97.8 mg/kg, rat (m)); NOAEL Parents: 27 mg/kg KW, NOAEL FI: 56.6 mg/kg KW (Oral, Futter, Dosis: 27.0-114.8 mg/kg, rat (f))
Did not show any effects on the development of the unborn child: NOAEL mothers: 10 mg/kg bw (oral, dosage: 10-40-100 mg/kg, rat (w)); NOAEL Teratogenicity: 40 mg/kg bw
5-Chlor-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1):
Did not show any reproductive toxicity: NOAEL Parents: 16.3-24.7 mg/kg bw, NOAEL FI: 16.3-24.7 mg/kg bw (Drinking water, dosage: 25-75-225 ppm, rat (m/f)); NOAEL Parents: 2.8-4.4 mg/kg bw, NOAEL FI: 22.7-28 mg/kg bw, NOAEL F2: 35.7-39.1 mg/kg bw (Drinking water, dosage: 30-100-300 ppm, rat (m/f); OECD 416)
Did not show any effects on the development of the unborn child: NOAEL development damage: 15 mg/kg bw (oral, rat (m/f)); NOAEL mothers: > 3.95 mg/kg bw (oral, rat (m/f))*

Carcinogenicity:

*C.I. Azoic Coupl. Comp. 18: no information available
1,2-Benzisothiazol-3(2H)-one: not applicable
5-Chlor-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1): no evidence found in animal studies*

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Teratogenicity:

C.I. Azoic Coupl. Comp. 18: no information available
1,2-Benzisothiazol-3(2H)-one: not classified
5-Chlor-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1): not classified

Specific target organ toxicity (STOT):

Single exposure: the substance or mixture is not classified as specific target organ toxicant.
Repeated exposure: the substance or mixture is not classified as specific target organ toxicant.

Additional toxicological information:

Aspiration hazard: not applicable

12. Ecological Information

12.1. Aquatic Toxicity

C.I. Azoic Coupl. Comp. 18:
Chronic aquatic toxicity: toxic to aquatic organisms, with long-term adverse effects.
5-Chlor-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1):
Acute aquatic toxicity: very toxic to aquatic organisms.
Chronic aquatic toxicity: very toxic to aquatic organisms, with long-term adverse effects.

Fish toxicity:

C.I. Azoic Coupl. Comp 18: LC50: 1.33-3.25 mg/l (96h, *Danio rerio*; OECD 203)
1,2-Benzisothiazol-3(2H)-one: LC50: 2.18 mg/ml (96h, *Oncorhynchus mykiss*); LC50: ca. 16.7 mg/l (96h, *Cyprinodon variegatus*); NOEC: 0.21 mg/l (OECD 215)
5-Chlor-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1): EC50: 0.22 mg/l (96h, *Oncorhynchus mykiss*; OECD 203); NOEC: 0.098 mg/l (28d, *Oncorhynchus mykiss*; OECD 215)

Daphnia toxicity:

C.I. Azoic Coupl. Comp. 18: EC50: > 0.108 mg/l (48h, *Daphnia magna*; OECD 202)
1,2-Benzisothiazol-3(2H)-one: EC50: 2.94 mg/l; EC0: 0.643 mg/l (48h, *Daphnia magna*; OECD 202); EC50: 0.9893 mg/l (96h, *Mysidopsis bahia*); NOEC: 0.25 mg/l (96h, *Mysidopsis bahia*); NOEC: 1.2 mg/l (21d, *Daphnia magna*; OECD 211); NOEC: 1.9 mg/l (21d, *Daphnia magna*; OECD 211)
5-Chlor-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1): EC50: 0.1 mg/l (48h, *Daphnia magna*; OECD 202); NOEC: 0.004 mg/l (21d, *Daphnia magna*; OECD 202)

Bacteria toxicity:

C.I. Azoic Coupl. Comp. 18: EC50: > 1000 mg/l (3h, active sludge; OECD 209)
1,2-Benzisothiazol-3(2H)-one: EC50: 23 mg/ml (3h, active sludge; OECD 209); EC50: > 811.5 mg/kg dw (28d, soil; OECD 216); NOEC: 263.7 mg/kg dw (28d, soil; OECD 216)
Toxicity to soil dwelling organisms (Artificial soil): LC50: > 410.6 mg/kg (14d, *Eisenia foetida*; OECD 207); NOEC: 234.5 mg/kg

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(14d, *Eisenia foetida*; OECD 207)

Toxicity to terrestrial plants: EC50: 340 mg/kg (20d, *Phaseolus vulgaris*; OECD 208); NOEC: 90 mg/kg (20d, *Phaseolus vulgaris*; OECD 208); EC50: 300 mg/kg (19d, *Triticum aestivum* - Weizen; OECD 208); NOEC: 51 mg/kg (19d, *Triticum aestivum*; OECD 208)

5-Chlor-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1): EC50: 7.92 mg/l (3h, active sludge; OECD 209)

Toxicity to terrestrial plants: LC50: 86.6 mg/kg dw (14d, *Eisenia foetida*; OECD 207); NOEC: 8.83 mg/kg dw (14d, *Eisenia foetida*; OECD 207)

Algae toxicity:

C.I. Azoic Coupl. Comp. 18: EC50: > 0,711 mg/l (72h, *Desmodesmus subspicatus*; OECD 201)

1,2-Benzisothiazol-3(2H)-one: EC50: 0.155 mg/l; NOEC: 0.055 mg/l (72h, *Selenastrum capricornutum*; OECD 201)

5-Chlor-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1): EC50: 0.0052 mg/l; NOEC: 0.00049 mg/l (48h, *Skeletonema costatum*; OECD 201)

12.2. Persistency and Degradability

No information available.

C.I. Azoic Coupl. Comp.: 12 % (28d); not readily biodegradable (32.3-63.4 mg/l, activated sludge; OECD 301B)

1,2-Benzisothiazol-3(2H)-one: partially readily biodegradable (1 mg/l, 63d, activated sludge; OECD 301C)

Stability in water: Degradation (half-life value): 219d (abiotic, pH value: 4Hydrolysis (50°C; OECD 111); > 200d (abiotic, pH value: 7Hydrolysis (50°C; OECD 111); 145d (abiotic, pH value: 9Hydrolysis (50°C; OECD 111)

Photodegradation (direct photolysis): < 1.5 % (Test type: water; light source: Xenon lamp); Decomposes fast under light influence (Test type: air)

5-Chlor-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1): not readily biodegradable (activated sludge; OECD 301B); Photodegradation: Test type: water (light source: sunlight)

12.3. Bioaccumulation

No information available.

C.I. Azoic Coupl. Comp. 18: log Pow < 3 (low bioaccumulation)

1,2-Benzisothiazol-3(H)-one: Bioconcentration factor (BCF): 6.62 (0.1 mg/l, 56d, *Lepomis macrochirus*; OECD 305)

5-Chlor-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1): Bioconcentration factor (BCF): 3.6; log Pow: -0.71 - 0.75 (OECD 107)

12.4. Mobility

C.I. Azoic Coupl. Comp. 18: no data available.

1,2-Benzisothiazol-3(2H)-one: Adsorption/Soil: KoC: 235 - 566

12.5. Results of PBT- und vPvP Assessment

On the basis of available data, the product does not contain and PBT or vPvB in percentage greater than 0.1 %.

C.I. Azoic Coupl. Comp. 18: no data available

1,2-Benzisothiazol-3(2H)-one: This substance is not classified as PBT nor as vPvB.

5-Chlor-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-
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3-one (3:1): This substance is not classified as PBT (persistent, bioaccumulative, toxic).

12. 6. Other Adverse Effects

Water hazard class:

Do not let product contaminate ground water, waterways or sewage system.

Behaviour in sewage systems:

Further ecological effects:

C.I. Azoic Coup. Comp. 18: Do not let product enter groundwater, waterways or sewage system.

1,2-Benzisothiazol-3(2H)-one: Do not let product enter groundwater, waterways or sewage system.

5-Chlor-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1): Do not let product enter groundwater, waterways or sewage system.

AOX Value:

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

Dispose of according to official national and local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Packaging may be disposed of in the same manner as the product.

Waste Code No.:

14. Transport Information

14. 1. UN Number

ADR, IMDG, IATA

14. 2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR (land transportation).

IMDG/IATA:

No hazardous goods according to IMDG.

14. 3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

Hazard no.:

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EmS No.:

IATA Class:

not applicable

Hazard no.:

14. 4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14. 5. Environmental Hazards

None

14. 6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14. 7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

not applicable

14. 8. Further Information

15. Regulatory Information

15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

1, slightly hazardous for water (German Regulation, Assessment by list)

Local regulations on chemical accidents:

Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

15. 2. Chemical Safety Assessment

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

15. 3. Further Information

Regulation (EC) 1005/2009 - Substances that Deplete the Ozone Layer: not regulated / not applicable

Regulation (EC) 850/2004 - Persistent organic pollutants and amending Directive 79/117/EEC: not regulated / not applicable

Fire hazard class: not subject to the German "Flammable Liquids Ordinance" (VbF)

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.