

Safety Data Sheet

according to Regulation (EC) No 1907/2006

2260 Alkyd-paint primer white grey

Print date: 12.08.2015

Product code: 92239

Page 1 of 11

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

1.1. Product identifier

2260 Alkyd-paint primer white grey

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

Use of the substance/mixture

Anti-corrosive paints, containing solvents, high in aromatics, harmful

1.3. Details of the supplier of the safety data sheet

Company name:	KERONA GmbH	
Street:	Zeilbaumweg 15	
Place:	D-74613 Öhringen	
Telephone:	+49 7941-9205 4080	Telefax: +49 7941-9205 4090
e-mail:	mail@kerona.de	
Contact person:	Dr. Hans Götz	Telephone: +49 170-8548 710
e-mail:	hans.goetz@kerona.de	
Internet:	www.kerona.de	

1.4. Emergency telephone number:

+49 761-19 240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

Indications of danger: Xn - Harmful, Xi - Irritant

R phrases:

Flammable.

Harmful by inhalation and in contact with skin.

Irritating to skin.

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Harmful: may cause lung damage if swallowed.

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

Hazard categories:

Flammable liquid: Flam. Liq. 3

Acute toxicity: Acute Tox. 4

Skin corrosion/irritation: Skin Irrit. 2

Respiratory/skin sensitization: Skin Sens. 1A

Specific target organ toxicity - single exposure: STOT SE 3

Specific target organ toxicity - repeated exposure: STOT RE 2

Aspiration hazard: Asp. Tox. 1

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Flammable liquid and vapour.

May be fatal if swallowed and enters airways.

Harmful if inhaled.

Causes serious eye irritation.

Causes skin irritation.

Causes eye irritation.

May cause an allergic skin reaction.

May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

2260 Alkyd-paint primer white grey

Print date: 12.08.2015

Product code: 92239

Page 2 of 11

Toxic to aquatic life with long lasting effects.

2.2. Label elements**Hazardous components which must be listed on the label**xylene
n-butyl acetate
ethylbenzene
Cobaltbis(2-ethylhexanoat)

Signal word:

Danger

Pictograms:

GHS02-GHS07-GHS08-GHS09

**Hazard statements**

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H332	Harmful if inhaled.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H320	Causes eye irritation.
H317	May cause an allergic skin reaction.
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

P101	If medical advice is needed, have product container or label at hand.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378	In case of fire: Use Foam. Dry extinguishing powder. Carbon dioxide (CO2). ABC-powder to extinguish.

2.3. Other hazards

Enthält Cobaltbis(2-ethylhexanoat). Prolonged/repetitive skin contact may cause skin defatting or dermatitis. In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Paints and varnishes

Safety Data Sheet

according to Regulation (EC) No 1907/2006

2260 Alkyd-paint primer white grey

Print date: 12.08.2015

Product code: 92239

Page 3 of 11

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
215-535-7	xylene	10 - 25 %
1330-20-7	Xn - Harmful, Xi - Irritant R10-20/21-38	
601-022-00-9	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2; H226 H332 H312 H315	
204-658-1	n-butyl acetate	10 - 25 %
123-86-4	R10-66-67	
607-025-00-1	Flam. Liq. 3, STOT SE 3; H226 H336 EUH066	
203-603-9	2-methoxy-1-methylethyl acetate	2,5 - 10 %
108-65-6	R10	
607-195-00-7	Flam. Liq. 3; H226	
202-849-4	ethylbenzene	2,5 - 10 %
100-41-4	F - Highly flammable, Xn - Harmful R11-20-48/20-65	
601-023-00-4	Flam. Liq. 2, Acute Tox. 4, STOT RE 2, Asp. Tox. 1; H225 H332 H373 H304	
	Cobaltbis(2-ethylhexanoat)	<= 2,5 %
136-52-7		
	Repr. 2, Eye Irrit. 2, Skin Sens. 1A, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1 (M-Factor = 1); H361f H319 H317 H400 H410	
286-272-3	Hexanoic acid, 2-ethyl-, zinc salt, basic	< 2,5 %
85203-81-2	Xi - Irritant, N - Dangerous for the environment R38-51-53	

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Give nothing to eat or drink.

After inhalation

In case of inhaling spray mist, consult a doctor immediately and show him packing or label. If unconscious place in recovery position and seek medical advice. Provide fresh air.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. Change contaminated clothing. Wash thoroughly the body (shower or bath).

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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

Vapours may cause drowsiness and dizziness. Frequently or prolonged contact with skin may cause

Safety Data Sheet

according to Regulation (EC) No 1907/2006

2260 Alkyd-paint primer white grey

Print date: 12.08.2015

Product code: 92239

Page 4 of 11

dermal irritation.

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings. Foam. Dry extinguishing powder. Carbon dioxide (CO₂). ABC-powder

Unsuitable extinguishing media

Strong water jet

5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke. In case of fire and/or explosion do not breathe fumes. Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Remove product from area of fire. Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8. Provide adequate ventilation. Remove all sources of ignition.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. It is recommended to design all work processes always so that the following is excluded: Inhalation, Skin contact, Eye contact. Take precautionary measures against static discharges.

Advice on protection against fire and explosion

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Take precautionary measures against static discharge.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

2260 Alkyd-paint primer white grey

Print date: 12.08.2015

Product code: 92239

Page 5 of 11

Advice on storage compatibility

Incompatible materials: Oxidizing agents. acid. Base.
Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Keep away from sources of ignition. - No smoking. Protect against: heat. Keep/Store only in original container.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
108-65-6	1-Methoxypropyl acetate	50	274		TWA (8 h)	WEL
		100	548		STEL (15 min)	WEL
123-86-4	Butyl acetate	150	724		TWA (8 h)	WEL
		200	966		STEL (15 min)	WEL
100-41-4	Ethylbenzene	100	441		TWA (8 h)	WEL
		125	552		STEL (15 min)	WEL
1330-20-7	Xylene: mixed isomers	50	220		TWA (8 h)	WEL
		100	441		STEL (15 min)	WEL

Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
1330-20-7	Xylene, o-, m-, p- or mixed isomers	methyl hippuric acid	650 mmol/mol	urine	Post shift

8.2. Exposure controls

Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Protective and hygiene measures

Do not breathe gas/vapour/aerosol. Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

Eye/face protection

Wear eye/face protection.

Hand protection

Wear suitable gloves. DIN EN 374

NBR (Nitrile rubber). $\geq 0,4$ mm

Breakthrough times and swelling properties of the material must be taken into consideration.

Anwendung > 480 min: Handschuhe aus HPPE-Laminatfilm verwenden.

Skin protection

Wear anti-static footwear and clothing

Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values insufficient ventilation.

Suitable respiratory protection apparatus: Filtering device (full mask or mouthpiece) with filter: A2P2

Safety Data Sheet

according to Regulation (EC) No 1907/2006

2260 Alkyd-paint primer white grey

Print date: 12.08.2015

Product code: 92239

Page 6 of 11

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	red brown
Odour:	characteristic

Test method

pH-Value: not determined

Changes in the physical state

Melting point: not determined

Initial boiling point and boiling range: 124 °C

Flash point: 27 °C

Lower explosion limits: 1,1 vol. %

Upper explosion limits: 7,5 vol. %

Ignition temperature: 315 °C

Decomposition temperature: not determined

Vapour pressure:
(at 20 °C) 10,7 hPaDensity (at 20 °C): 1,28 g/cm³

Water solubility: insoluble

Viscosity / kinematic:
(at 20 °C) 62 mm²/s DIN 53211/4

Solvent content: 41,2 %

9.2. Other information

Solid content: 58,8 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No known hazardous reactions.

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Heating may cause a fire or explosion.

10.5. Incompatible materials

Materials to avoid: Oxidizing agents. acid. Base.

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours.

SECTION 11: Toxicological information

Safety Data Sheet

according to Regulation (EC) No 1907/2006

2260 Alkyd-paint primer white grey

Print date: 12.08.2015

Product code: 92239

Page 7 of 11

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution

Toxicological data are not available.

Acute toxicity

Gesundheitsschädlich bei Einatmen.

ATEmix calculated

ATE (inhalative aerosol) 4,286 mg/l

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
1330-20-7	xylene				
	dermal	ATE	1100 mg/kg		
	inhalative vapour	ATE	11 mg/l		
	inhalative aerosol	ATE	1,5 mg/l		
108-65-6	2-methoxy-1-methylethyl acetate				
	oral	LD50	8532 mg/kg	Rat	RTECS
	dermal	LD50	7500 mg/kg	Rabbit	
100-41-4	ethylbenzene				
	oral	LD50	3500 mg/kg	Rat	GESTIS
	dermal	LD50	15400 mg/kg	Rabbit	GESTIS
	inhalative (4 h) vapour	LC50	17,2 mg/l	Rat	
	inhalative aerosol	ATE	1,5 mg/l		

Irritation and corrosivity

Irritating to respiratory system and skin.

Sensitising effects

Kann allergische Hautreaktionen verursachen. (Cobaltbis(2-ethylhexanoat))

STOT-single exposure

Kann Schläfrigkeit und Benommenheit verursachen. (n-Butylacetat)

Severe effects after repeated or prolonged exposure

Kann die Organe schädigen bei längerer oder wiederholter Exposition. (Ethylbenzol)

Carcinogenic/mutagenic/toxic effects for reproduction

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Aspiration hazard

Kann bei Verschlucken und Eindringen in die Atemwege tödlich sein.

Specific effects in experiment on an animal

No data available

SECTION 12: Ecological information

12.1. Toxicity

No data available

Safety Data Sheet

according to Regulation (EC) No 1907/2006

2260 Alkyd-paint primer white grey

Print date: 12.08.2015

Product code: 92239

Page 8 of 11

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
108-65-6	2-methoxy-1-methylethyl acetate					
	Acute fish toxicity	LC50	161 mg/l	96 h	Pimephales promelas	
	Acute crustacea toxicity	EC50	408 mg/l	48 h	Daphnia magna	
100-41-4	ethylbenzene					
	Acute algae toxicity	ErC50	3,6 mg/l	96 h		GESTIS

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
108-65-6	2-methoxy-1-methylethyl acetate	0,43
100-41-4	ethylbenzene	3,15

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other dangerous substances
Classified as hazardous waste.

Waste disposal number of used product

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other dangerous substances
Classified as hazardous waste.

Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by dangerous substances
Classified as hazardous waste.

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the

Safety Data Sheet

according to Regulation (EC) No 1907/2006

2260 Alkyd-paint primer white grey

Print date: 12.08.2015

Product code: 92239

Page 9 of 11

substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	UN 1263
14.2. UN proper shipping name:	Paint
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3
Classification code:	F1
Special Provisions:	163 640E 650
Limited quantity:	5 L
Transport category:	3
Hazard No:	30
Tunnel restriction code:	D/E

Other applicable information (land transport)

E0
E3
E2
E1

Inland waterways transport (ADN)

14.1. UN number:	UN 1263
14.2. UN proper shipping name:	Paint
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3
Classification code:	F1
Special Provisions:	163 640E 650
Limited quantity:	5 L

Other applicable information (inland waterways transport)

E0
E1

Marine transport (IMDG)

14.1. UN number:	UN 1263
14.2. UN proper shipping name:	Paint
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3
Special Provisions:	163, 223, 955
Limited quantity:	5 L
EmS:	F-E, S-E

Other applicable information (marine transport)

E0
E1

Air transport (ICAO)

14.1. UN number:	UN 1263
14.2. UN proper shipping name:	Paint

Safety Data Sheet

according to Regulation (EC) No 1907/2006

2260 Alkyd-paint primer white grey

Print date: 12.08.2015

Product code: 92239

Page 10 of 11

14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3
Special Provisions:	A3 A72
Limited quantity Passenger:	10 L
IATA-packing instructions - Passenger:	355
IATA-max. quantity - Passenger:	60 L
IATA-packing instructions - Cargo:	366
IATA-max. quantity - Cargo:	220 L

Other applicable information (air transport)

E0
Passenger-LQ: Y203
E1
Passenger-LQ: Y344

SECTION 15: Regulatory information

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

EU regulatory information

2010/75/EU (VOC):	41,20 %
2004/42/EC (VOC):	41,20 % (527,36 g/l)

National regulatory information

Employment restrictions:	Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.
Water contaminating class (D):	2 - water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Relevant R-phrases (Number and full text)

10	Flammable.
11	Highly flammable.
20	Harmful by inhalation.
20/21	Harmful by inhalation and in contact with skin.
38	Irritating to skin.
48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
51	Toxic to aquatic organisms.
53	May cause long-term adverse effects in the aquatic environment.
65	Harmful: may cause lung damage if swallowed.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.

Relevant H- and EUH-phrases (Number and full text)

H225	Highly flammable liquid and vapour.
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.
H319	Causes serious eye irritation.
H320	Causes eye irritation.
H332	Harmful if inhaled.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

2260 Alkyd-paint primer white grey

Print date: 12.08.2015

Product code: 92239

Page 11 of 11

H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)