

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 2260 Resin-paint primer red brown

Revision date: 06.07.2017

Product code: 92085

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

##### 1.1. Product identifier

2260 Resin-paint primer red brown

##### 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

###### Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 2

Acute toxicity: Acute Tox. 4

Skin corrosion/irritation: Skin Irrit. 2

Respiratory or skin sensitisation: 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 3

Hazard Statements:

Highly flammable liquid and vapour.

Harmful if inhaled.

Causes skin irritation.

May cause an allergic skin reaction.

May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

May be fatal if swallowed and enters airways.

Harmful to aquatic life with long lasting effects.

##### 2.2. Label elements

###### Regulation (EC) No. 1272/2008

###### Hazard components for labelling

xylene

n-butyl acetate

ethylbenzene

Cobaltbis(2-ethylhexanoat)

**Signal word:** Danger

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#### Pictograms:



#### Hazard statements

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

#### Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P405	Store locked up.

#### Special labelling of certain mixtures

EUH014	Reacts violently with water.
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#### 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

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#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
1330-20-7	xylene			10 - 25 %
	215-535-7	601-022-00-9		
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2; H226 H332 H312 H315			
123-86-4	n-butyl acetate			10 - 25 %
	204-658-1	607-025-00-1		
	Flam. Liq. 3, STOT SE 3; H226 H336 EUH066			
108-65-6	2-methoxy-1-methylethyl acetate			2,5 - 10 %
	203-603-9	607-195-00-7		
	Flam. Liq. 3; H226			
100-41-4	ethylbenzene			2,5 - 10 %
	202-849-4	601-023-00-4		
	Flam. Liq. 2, Acute Tox. 4, STOT RE 2, Asp. Tox. 1; H225 H332 H373 H304			
85203-81-2	Hexanoic acid, 2-ethyl-, zinc salt, basic			< 2,5 %
	286-272-3			
	Repr. 2, Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3; H361d H315 H319 H412			
136-52-7	Cobaltbis(2-ethylhexanoat)			< 2,5 %
	Repr. 2, Eye Irrit. 2, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H361f H319 H317 H400 H410			

Full text of H and EUH statements: 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 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

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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 (CO<sub>2</sub>). 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 action to prevent static discharges.

#### 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.

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#### 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 <sup>3</sup>	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

##### Environmental exposure controls

Do not allow to enter into surface water or drains.

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#### 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
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##### **Changes in the physical state**

Melting point:	not determined
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Initial boiling point and boiling range:	124 °C
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Flash point:	15 °C
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Lower explosion limits:	1,0 vol. %
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Upper explosion limits:	10,6 vol. %
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Ignition temperature:	315 °C
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Decomposition temperature:	not determined
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Vapour pressure: (at 20 °C)	10,7 hPa
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Density (at 20 °C):	1,28 g/cm <sup>3</sup>
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Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water
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Solvent content:	70,00 %
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#### 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

##### 11.1. Information on toxicological effects

###### **Toxicokinetics, metabolism and distribution**

Toxicological data are not available.

###### **Acute toxicity**

Gesundheitsschädlich bei Einatmen.

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**ATEmix calculated**

ATE (inhalative aerosol) 4,286 mg/l

CAS No	Chemical name					
	Exposure route	Dose	Species	Source	Method	
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))

**Carcinogenic/mutagenic/toxic effects for reproduction**

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

**STOT-single exposure**

Kann Schläfrigkeit und Benommenheit verursachen. (n-Butylacetat)

**STOT-repeated exposure**

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

**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

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
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	

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#### 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 hazardous 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 hazardous 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 hazardous substances  
Classified as hazardous waste.

##### Contaminated packaging

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

### SECTION 14: Transport information

#### Land transport (ADR/RID)

##### 14.1. UN number:

No dangerous good in sense of this transport regulation.

##### 14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

##### 14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.



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**14.4. Packing group:** No dangerous good in sense of this transport regulation.

**Other applicable information (land transport)**

No dangerous good in sense of this transport regulation.  
< 450 Liter ADR 2.2.3.1.5.

**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-TI/IATA-DGR)**

**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: 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

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: yes

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#### 14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

### 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): 41,2%; 527,4 g/l (auch CH)

2004/42/EC (VOC): 41,2%; 527,4 g/l (auch CH)

##### National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions for women of child-bearing age.

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 H and EUH statements (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.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
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.
H412	Harmful to aquatic life with long lasting effects.
EUH014	Reacts violently with water.
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.)*