

according to UK REACH Regulation

## PREMA CEMENT ORANGE

Revision date: 17.09.2020

Product code: 00623-0027

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

### 1.1. Product identifier

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### Art.-No.

PCO 8; SKU 2245020 PCO-32; SKU 2245030 PCO 200; SKU 2245040

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

### Use of the substance/mixture

adhesive

### 1.3. Details of the supplier of the safety data sheet

<b>Manufacturer</b> Company name: Street: Place:	PREMA GmbH Aspertsham 40 D-94081 Fürstenzell
Telephone:	+49 (0) 8502 917 150 0
Responsible Department:	Responsible for the safety data sheet: sds@gbk-ingelheim.de
<b>Supplier</b> Company name: Street: Place:	Harvie Tyres Ltd. Units 7 & 8 Apollo Court Hallam Way Whitehills Business Park Blackpool Lancashire, FY4 5FS
Telephone:	+44 (0) 1253 741790
Internet:	www.harvie.co.uk
<u>1.4. Emergency telephone</u>	INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)
number:	In England and Wales: NHS 111 In Scotland: NHS 24 - dial 111

## **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

### GB CLP Regulation

Hazard categories: Flammable liquid: Flam. Liq. 2 Serious eye damage/eye irritation: Eye Irrit. 2 Specific target organ toxicity - single exposure: STOT SE 3 Hazardous to the aquatic environment: Aquatic Chronic 2 Hazard Statements: Highly flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.

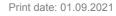
## 2.2. Label elements

### **GB CLP Regulation**

### Hazard components for labelling

Ethyl acetate Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclic compounds, < 3% n-hexane **Signal word:** Danger

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**Pictograms:** 

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### Hazard statements

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

### **Precautionary statements**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No
	smoking.
P260	Do not breathe vapour.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P273	Avoid release to the environment.

### Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

## 2.3. Other hazards

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

Vapours may form explosive mixture with air.

## **SECTION 3: Composition/information on ingredients**

### 3.2. Mixtures

## **Chemical characterization**

Preparation with ethyl acetate







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#### Hazardous components

CAS No	Chemical name				
	EC No	Index No	REACH No		
	GHS Classification	•			
141-78-6	Ethyl acetate			< 65 %	
	205-500-4	607-022-00-5	01-2119475103-46		
	Flam. Liq. 2, Eye Irrit. 2,	STOT SE 3; H225 H319 H33	6 EUH066		
92062-15-2	Hydrocarbons, C6-C7, n- (petroleum)]	alkanes, iso-alkanes, cyclic c	compounds, < 3% n-hexane [Solvent naphta	< 25 %	
	926-605-8		01-2119486291-36		
	Flam. Liq. 2, STOT SE 3	Asp. Tox. 1, Aquatic Chronic	c 2; H225 H336 H304 H411 EUH066		
14634-93-6	Zinc-bis (N-ethyl-N-pheny	/ldithiocarbamate)		< 5 %	
	238-677-1				
	Eye Irrit. 2, Aquatic Chro	nic 4; H319 H413			
5459-93-8	N-Cyclohexyl-N-ethylami	ne		< 1 %	
	226-733-8		01-2119949285-29		
		3, Acute Tox. 4, Acute Tox. 4 332 H302 H314 H318 H412	, Skin Corr. 1B, Eye Dam. 1, Aquatic		
1314-13-2	Zinc oxide			< 1 %	
	215-222-5	030-013-00-7	01-2119463881-32		
	Aquatic Acute 1, Aquatic	Chronic 1; H400 H410	·		
13463-67-7	Titanium dioxide			< 1 %	
	236-675-5	022-006-00-2	01-2119489379-17		
	Carc. 2; H351				

Full text of H and EUH statements: see section 16.

### **Further Information**

According to note P to the regulation (EC) no. 1272/2008, "Solvent naphta (petroleum)" is not to be classified as "carcinogenic" or "mutagen" ingredient because a benzene content (EINECS No. 200-753-7) is below 0.1 % by weight.

### **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

#### **General information**

Remove contaminated soaked clothing immediately.

If you feel unwell, seek medical advice.

Take away from danger area and lay down affected person.

### After inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products. In the event of symptoms refer for medical treatment.

#### After contact with skin

Wash off with soap and plenty of water. Consult a doctor if skin irritation persists.

#### After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical treatment by eye specialist.

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### After ingestion

Do not induce vomiting. Rinse out mouth and give plenty of water to drink. Never give anything by mouth to an unconscious person. Summon a doctor immediately. Induce vomiting only upon the advice of a physician.

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

Causes serious eye irritation.

May cause drowsiness or dizziness.

Repeated exposure may cause skin dryness or cracking.

Attention. Beware, danger of aspiration.

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

Treat symptoms.

## **SECTION 5: Firefighting measures**

## 5.1. Extinguishing media

### Suitable extinguishing media

Foam, carbon dioxide (CO2), dry chemical, water-spray.

## Unsuitable extinguishing media

Full water jet

### 5.2. Special hazards arising from the substance or mixture

Fire may produce: carbon monoxide and carbon dioxide

### 5.3. Advice for firefighters

Use breathing apparatus with independent air supply. Protective suit.

## Additional information

Vapours are heavier than air and spread along ground. The vapour/air mixture is explosive, even in empty, uncleaned receptacles. Cool containers at risk with water spray jet. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## **SECTION 6: Accidental release measures**

## 6.1. Personal precautions, protective equipment and emergency procedures

In case of vapour formation use respirator. Use only explosion-proof equipment. Ensure adequate ventilation. Use personal protective clothing. Keep away sources of ignition.

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/ground water. Do not discharge into the subsoil/soil.

### 6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). Shovel into suitable container for disposal.

### 6.4. Reference to other sections

Observe protective instructions (see Sections 7 and 8). Information for disposal see section 13.





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## **SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

### Advice on safe handling

Keep container tightly closed. Vapours are heavier than air and spread along ground. Keep a good ventilation and air-exhaust at the place of work. Avoid contact with skin, eyes and clothing.

## Advice on protection against fire and explosion

Keep away from heat and sources of ignition. Do not smoke. Take precautionary measures against static discharges. Use only explosion-proof equipment.

### 7.2. Conditions for safe storage, including any incompatibilities

### Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place. Pay attention to anti-explosion rules.

### Hints on joint storage

Incompatible with: Oxidizing agents Nitrous acid and other nitrosating agents.

### Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

## 7.3. Specific end use(s)

adhesive

## **SECTION 8: Exposure controls/personal protection**

## 8.1. Control parameters

## Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
141-78-6	Ethyl acetate	200	734		TWA (8 h)	WEL
		400	1468		STEL (15 min)	WEL
13463-67-7	Titanium dioxide, respirable	-	4		TWA (8 h)	WEL

### 8.2. Exposure controls

### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

### Protective and hygiene measures

Do not inhale vapours.

Wash hands before breaks and immediately after handling the product.

When using do not eat, drink or smoke.

Treat subsequently with skin cream.

Remove and wash contaminated clothes before re-use.

### Eye/face protection

Tightly fitting goggles (EN 166).

Eye wash bottle with pure water (EN 15154).





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## Hand protection

Splash protection:

Protective gloves resistant to chemicals made off natural-rubber latex, minimum coat thickness 0.6 mm, permeation resistance (wear duration) approx. 10 minutes, i.e. protective glove <Lapren 706> made by www.kcl.de.

Protective gloves resistant to chemicals made off butyl, minimum coat thickness 0.7 mm, permeation resistance (wear duration) > 60 minutes, i.e. protective glove <Butoject 898> made by www.kcl.de. This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

### Skin protection

Solvent-resistant apron (EN 467).

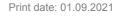
### **Respiratory protection**

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A) (EN 14387).

### **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid	
Colour:	Orange	
Odour:	Ester-like	
		Test method
pH-Value:	n.d.	
Changes in the physical state		
Melting point/freezing point:	< - 20 °C	
Boiling point or initial boiling point an boiling range:	d > 76 °C	
Sublimation point:	n.a.	
Softening point:	n.d.	
Flash point:	- 8 °C	
Flammability Solid:	n.a.	
Gas:	n.a.	
Explosive properties The product is considered non-ex	plosive; nevertheless explosive vapour/air mixtu	re can be generated
Lower explosion limits:	2,1 vol. %	
Upper explosion limits:	11,5 vol. %	
Auto-ignition temperature:	460 °C	
Self-ignition temperature		
Solid:	n.a.	
Gas:	n.a.	
Decomposition temperature:	n.d.	
Oxidizing properties Not oxidising.		
Vapour pressure: (at 20 °C)	100 hPa	







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Density (at 20 °C):	0,88 g/cm³	
Bulk density:	n.a.	
Water solubility: (at 20 °C)	Immiscible	
Solubility in other solvents n.d.		
Partition coefficient n-octanol/water:	n.d.	
Viscosity / dynamic: (at 20 °C)	4500 - 6500 mPa·s	
Viscosity / kinematic: (at 40 °C)	> 20,5 mm²/s	
Flow time: (at 23 °C)	> 30 s	3 DIN EN ISO 2431
Relative vapour density:	n.d.	
Evaporation rate:	n.d.	
Solvent separation test:	n.d.	
Solvent content:	< 85 %	
9.2. Other information		
No data available		

No data available

## **SECTION 10: Stability and reactivity**

## 10.1. Reactivity

No decomposition if stored and applied as directed.

## 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Reactions with oxidizing agents.

### 10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat. Vapour/air mixtures are explosive at intensive warming. Heating can release vapours which can be ignited.

## 10.5. Incompatible materials

Nitrous acid and other nitrosating agents. oxidizing agents

## 10.6. Hazardous decomposition products

No hazardous decomposition products known.

Fire may produce:

Carbon monoxide and carbon dioxide

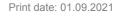
An inappropriate handling, for instance major amounts of product combined with strong heat and nitrosating agents, renders possible a cleavage of nitrosamines in traces.

## **SECTION 11: Toxicological information**

## 11.1. Information on toxicological effects

### Acute toxicity

Based on available data, the classification criteria are not met. No toxicological data available.









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## Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

### Sensitising effects

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

## Carcinogenic/mutagenic/toxic effects for reproduction

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

#### STOT-single exposure

May cause drowsiness or dizziness. (Ethyl acetate; Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclic compounds, < 3% n-hexane [Solvent naphta (petroleum)])

### STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.

### Aspiration hazard

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

### Additional information on tests

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

### Practical experience

### Other observations

Effects of breathing high concentrations of vapour may include: Headache, dizziness, weakness, unconsciousness.

Dependent of prol

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

An inappropriate handling, for instance major amounts of product combined with strong heat and nitrosating agents, renders possible a cleavage of nitrosamines in traces.

## **SECTION 12: Ecological information**

### 12.1. Toxicity

Ecological data are not available. Toxic to aquatic life with long lasting effects. Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclic compounds, < 3% n-hexane LC50/Oncorhynchus mykiss/96 h = 12 mg/l EC50/Daphnia magna/48 h = 3 mg/l EC50/Pseudokirchneriela subcapitata/72 h = 55 mg/l

Zinc oxide EC50/Ceriodaphnia dubia/48 h = 0,01 - 0,1 mg/l EC50/Selenastrum capricornutum/72 h = 0,01 - 0,1 mg/l N-Cyclohexyl-N-ethylamine EC50/Daphnia magna/48 h = 10 - 100 mg/l ErC50/Desmodesmus subspicatus/72 h = 10 - 100 mg/l Ethyl acetate LC50/EC50/EC50 : > 100 mg/l

## 12.2. Persistence and degradability

No data available

## 12.3. Bioaccumulative potential

## No data available

12.4. Mobility in soil

No data available

## 12.5. Results of PBT and vPvB assessment

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a



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PBT / vPvB substance. 12.6. Other adverse effects

Hazardous water pollutant.

### **Further information**

Do not flush into surface water or sanitary sewer system.

### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

#### **Disposal recommendations**

Where possible recycling is preferred to disposal. Can be incinerated, when in compliance with local regulations.

#### List of Wastes Code - residues/unused products

WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF 080409 COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

### Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

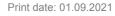
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

## **SECTION 14: Transport information**

#### Land transport (ADR/RID)

· · · · · · · · · · · · · · · · · · ·	
<u>14.1. UN number:</u>	UN 1133
14.2. UN proper shipping name:	Adhesives
14.3. Transport hazard class(es):	3
14.4. Packing group:	II
Hazard label:	3
Classification code:	F1
Limited quantity:	5 L / 30 kg
Excepted quantity:	E2
Transport category:	2
Hazard No: Tunnel restriction code:	33 D/E
	D/E
Inland waterways transport (ADN)	
<u>14.1. UN number:</u>	UN 1133
14.2. UN proper shipping name:	Adhesives
<u>14.3. Transport hazard class(es):</u>	3
14.4. Packing group:	II
Hazard label:	3







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Classification code: Limited quantity:	F1 5 L / 30 kg
Excepted quantity:	E2
Marine transport (IMDG)	
<u>14.1. UN number:</u>	UN 1133
14.2. UN proper shipping name:	Adhesives (Solvent naphtha (petroleum))
14.3. Transport hazard class(es):	3
14.4. Packing group:	II
Hazard label:	3
Marine pollutant:	Yes
Limited quantity:	5 L / 30 kg
Excepted quantity: EmS:	E2 F-E, S-D
Other applicable information (marine Segregation group: -	
Air transport (ICAO-TI/IATA-DGR)	
<u>14.1. UN number:</u>	UN 1133
14.2. UN proper shipping name:	Adhesives
14.3. Transport hazard class(es):	3
14.4. Packing group:	II
Hazard label:	3
Limited quantity Passenger:	1 L
Passenger LQ:	Y341
Excepted quantity:	E2
IATA-packing instructions - Passenger: IATA-max. quantity - Passenger:	353 5 L
IATA-packing instructions - Cargo:	364
IATA-max. quantity - Cargo:	60 L
14.5. Environmental hazards	
ENVIRONMENTALLY HAZARDOUS:	Yes

## 14.6. Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code The transport takes place only in approved and appropriate packaging.

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## **SECTION 15: Regulatory information**

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

EU regulatory information Restrictions on use (REACH, annex X Entry 3, Entry 28	(VII):
2004/42/EC (VOC):	80 - 85 %
Information according to 2012/18/EU (SEVESO III):	P5c FLAMMABLE LIQUIDS
Additional information:	E2
National regulatory information	
Employment restrictions:	Observe restrictions to employment for juveniles 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.
Water hazard class (D):	2 - obviously hazardous to water

## 15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

### **SECTION 16: Other information**

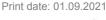
### Changes

This data sheet contains changes from the previous version in section(s): 2,3,8,9,10,12,13,14,15.

### Abbreviations and acronyms

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intér IMDG = International Maritime Code for Dangerous Goods IATA/ICAO = International Air Transport Association / International Civil Aviation Organization MARPOL = International Convention for the Prevention of Pollution from Ships IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk GHS = Globally Harmonized System of Classification and Labelling of Chemicals REACH = Registration, Evaluation, Authorization and Restriction of Chemicals CAS = Chemical Abstract Service EN = European norm ISO = International Organization for Standardization DIN = Deutsche Industrie Norm PBT = Persistent Bioaccumulative and Toxic vPvB = Very Persistent and very Bio-accumulative LD = Lethal dose LC = Lethal concentration EC = Effect concentration IC = Median immobilisation concentration or median inhibitory concentration Relevant H and EUH statements (number and full text) H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H302 Harmful if swallowed.

- H304 May be fatal if swallowed and enters airways.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.







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H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H332	Harmful if inhaled.	
H336	May cause drowsiness or dizziness.	
H351	Suspected of causing cancer.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H411	Toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	
H413	May cause long lasting harmful effects to aquatic life.	
EUH066	Repeated exposure may cause skin dryness or cracking.	
Further Information		
Data of items 4 to 8	, as well as 10 to 12, do partly not refer to the use and the regular employing of	the product
(in this sense consu	It information on use and on product), but to liberation of major amounts in case	e of
accidents and irregu	ularities.	
The information des	cribes exclusively the safety requirements for the product(s) and is based on th	ie present
level of our knowled	lge.	-
The delivery specific	cations are contained in the corresponding product sheet.	

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

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

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