

# Safety data sheet

according to 1907/2006/EC, Article 31



Printing date 23.06.2015



Version number 3

Revision: 23.06.2015

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

- **1.1 Product identifier**
- **Trade name:** TREMCO CP320
- **MSDS code:** W-T-CP320
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Roof coating
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
tremco illbruck Coatings Ltd  
Coupland Road, Hindley Green, Wigan, WN2 4HT  
Tel: +44 (0) 1942251400, Fax: +44 (0) 1942251410  
msds@tremco-illbruck.com
- **Further information obtainable from:**  
tremco illbruck Ltd  
Coupland Road, Hindley Green, Wigan, WN2 4HT  
T: +44 (0) 1942251400, F: +44 (0) 1942251410  
www.tremco-illbruck.co.uk, uk.info@tremco-illbruck.com
- **1.4 Emergency telephone number:**  
During office hours tel.: +44 (0) 1942251400. At all other times please contact your national poisoning centre.

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Flam. Liq. 3            H226 Flammable liquid and vapour.  
STOT SE 3            H336 May cause drowsiness or dizziness.  
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 CLP regulation.
- **Hazard pictograms**  
   
GHS02 GHS07
- **Signal word** Warning
- **Contains:**  
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics  
Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, (2-25%) aromatics  
Hydrocarbons, C9, aromatic
- **Hazard statements**  
H226 Flammable liquid and vapour.  
H336 May cause drowsiness or dizziness.

(Contd. on page 2)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 23.06.2015

Version number 3

Revision: 23.06.2015

**Trade name: TREMCO CP320**

(Contd. of page 1)

H412 Harmful 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.

P271 Use only outdoors or in a well-ventilated area.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P405 Store locked up.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Supplemental information:**

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH208 Contains bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate, 2-butanone oxime. May produce an allergic reaction.

- **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 non-hazardous additions.

- **Dangerous components:**

CAS: 9003-27-4 NLP: 500-004-7	polyisobutylene ----- Aquatic Chronic 4, H413	20- <30%
EC number: 919-857-5 Reg.nr.: 01-2119463258-33-xxxx	hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics ----- Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336	10- <20%
EC number: 919-446-0 Reg.nr.: 01-2119458049-33-xxxx	Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, (2-25%) aromatics ----- Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	5- <10%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29-xxxx	2-methoxy-1-methylethyl acetate ----- Flam. Liq. 3, H226	5- <10%
EC number: 918-668-5 Reg.nr.: 01-2119455851-35-xxxx	Hydrocarbons, C9, aromatic ----- Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336	5- <10%
CAS: 1309-64-4 EINECS: 215-175-0 Reg.nr.: 01-2119475613-35-xxxx	antimony trioxide ----- Carc. 2, H351	0.1- <1%

(Contd. on page 3)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 23.06.2015

Version number 3

Revision: 23.06.2015

**Trade name: TREMCO CP320**

(Contd. of page 2)

CAS: 96-29-7 EINECS: 202-496-6 Reg.nr.: 01-2119539477-28-xxxx	2-butanone oxime Carc. 2, H351; Eye Dam. 1, H318; Acute Tox. 4, H312; Skin Sens. 1, H317	0.1- <1%
CAS: 41556-26-7 EINECS: 255-437-1 Reg.nr.: 01-2119491304-40-xxxx	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	0.1- <1%

- **Additional information:**

While curing the following substances are formed and released by a reaction with atmospheric humidity:

Not applicable.

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

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**

- **General information:** Take affected persons out of danger area and lay down.

- **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:** Do not induce vomiting; call for medical help immediately.

- **4.2 Most important symptoms and effects, both acute and delayed**

Headache

Dizziness

Nausea

Irritating to eyes and skin.

Allergic reactions

Chemical pneumonia.

- **Information for doctor:** No further relevant information available.

- **Hazards** 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.

CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

- **For safety reasons unsuitable extinguishing agents:** Water with full jet

- **5.2 Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

(Contd. on page 4)

# Safety data sheet

## according to 1907/2006/EC, Article 31



Printing date 23.06.2015

Version number 3

Revision: 23.06.2015

Trade name: TREMCO CP320

(Contd. of page 3)

- **5.3 Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.
- **Additional information**  
Cool endangered receptacles with water spray.  
Collect contaminated fire fighting water separately. It must not enter the sewage system.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation  
Keep away from ignition sources.  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.
- **6.3 Methods and material for containment and cleaning up:**  
Ensure adequate ventilation.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.
- **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**  
Ensure good ventilation/exhaustion at the workplace.  
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).  
Avoid contact with the eyes and skin.  
Do not breathe vapour.
- **Information about fire - and explosion protection:**  
Flammable.  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Provide ventilation for receptacles.  
Store only in unopened original receptacles.
- **Information about storage in one common storage facility:**  
Protect from heat and direct sunlight.  
Store away from oxidising agents.
- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s)** No further relevant information available.

GB

(Contd. on page 5)

Trade name: TREMCO CP320

(Contd. of page 4)

## SECTION 8: Exposure controls/personal protection

### · 8.1 Control parameters

#### · Ingredients with limit values that require monitoring at the workplace:

**Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, (2-25%) aromatics**

OES Long-term value: 600 mg/m<sup>3</sup>

**108-65-6 2-methoxy-1-methylethyl acetate**

WEL Short-term value: 548 mg/m<sup>3</sup>, 100 ppm  
Long-term value: 274 mg/m<sup>3</sup>, 50 ppm  
Sk

#### · Additional information:

The lists valid during the making were used as basis.  
EH40/2005 Workplace Exposure Limits (2nd edition, 2011)

### · 8.2 Exposure controls

#### · Personal protective equipment:

##### · General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working.  
Avoid contact with the eyes and skin.  
Wash hands before breaks and at the end of work.  
Use skin protection cream for skin protection.

##### · Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.  
Filter A

##### · Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

##### · Material of gloves

Nitrile rubber, NBR  
Neoprene gloves  
Rubber gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

##### · Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

##### · Eye protection:



Tightly sealed goggles

(Contd. on page 6)

## Safety data sheet

according to 1907/2006/EC, Article 31



Printing date 23.06.2015

Version number 3

Revision: 23.06.2015

Trade name: TREMCO CP320

(Contd. of page 5)

- **Body protection:** Protective work clothing

### SECTION 9: Physical and chemical properties

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

##### · General Information

##### · Appearance:

Form: Liquid

Colour: Dark grey

· Odour: Like aromatic solvents

· Boiling point/Boiling range: Undetermined.

· Flash point: 40 °C

· Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

##### · Explosion limits:

Lower: 0.6 Vol %

Upper: 8.0 Vol %

· Density at 20 °C: 1.24 g/cm<sup>3</sup>

##### · Solubility in / Miscibility with

water: Not miscible or difficult to mix.

##### · Viscosity:

Kinematic at 40 °C: 1211 - 1292 mm<sup>2</sup>/s

##### · Solvent content:

VOC (EU) ≤ 390 g/l

· 9.2 Other information No further relevant information available.

### SECTION 10: Stability and reactivity

· 10.1 Reactivity Stable

· 10.2 Chemical stability

· Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

· 10.3 Possibility of hazardous reactions Reacts with strong oxidising agents.

· 10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

· 10.5 Incompatible materials: No further relevant information available.

· 10.6 Hazardous decomposition products:

Carbon monoxide and carbon dioxide

Poisonous gases/vapours

GB

(Contd. on page 7)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 23.06.2015

Version number 3

Revision: 23.06.2015

Trade name: TREMCO CP320

(Contd. of page 6)

### SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity

- LD/LC50 values relevant for classification:

#### hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Oral LD50 &gt; 5000 mg/kg (rat)

Dermal LD50 &gt; 3000 mg/kg (rab)

#### Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, (2-25%) aromatics

Oral LD50 &gt; 5000 mg/kg (rat)

#### 1309-64-4 antimony trioxide

Oral LD50 &gt;20000 mg/kg (rat)

#### 96-29-7 2-butanone oxime

Oral LD50 3700 mg/kg (rat)

Dermal LD50 200-2000 mg/kg (rat)

Inhalative LC50/4 h 20 mg/L (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Repeated exposure may cause skin dryness or cracking.  
Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**  
Direct contact may cause temporary redness and discomfort.  
Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**  
Harmful: may cause lung damage if swallowed.  
Chemical pneumonia.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**  
May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- 12.1 Toxicity

- Aquatic toxicity:

#### hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

LC50/96 h &gt; 2000 mg/L (pimephales promelas)

&gt; 4 mg/L (crangon crangon)

#### Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, (2-25%) aromatics

LC50/96 h 10-30 mg/L (fish)

(Contd. on page 8)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 23.06.2015

Version number 3

Revision: 23.06.2015

Trade name: TREMCO CP320

(Contd. of page 7)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

· <b>Ecotoxicological effects:</b>
------------------------------------

<b>Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, (2-25%) aromatics</b>
---

IC50/72 h   4.6-10 mg/L (algae)
---------------------------------

- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
Harmful to aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Disposal must be made according to official regulations.
- **Waste disposal key:** UK : H3B H14

· <b>European waste catalogue</b>
-----------------------------------

08 01 11*   waste paint and varnish containing organic solvents or other dangerous substances
---

- **Uncleaned packaging:**
- **Recommendation:**  
Dispose of packaging according to regulations on the disposal of packagings.  
Packagings that may not be cleansed are to be disposed of in the same manner as the product.  
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

### SECTION 14: Transport information

- |                                       |            |
|---------------------------------------|------------|
| · <b>14.1 UN-Number</b>               |            |
| · <b>ADR, IMDG, IATA</b>              | UN1263     |
| · <b>14.2 UN proper shipping name</b> |            |
| · <b>ADR</b>                          | 1263 PAINT |
| · <b>IMDG, IATA</b>                   | PAINT      |

(Contd. on page 9)

GB



# Safety data sheet

according to 1907/2006/EC, Article 31



Printing date 23.06.2015

Version number 3

Revision: 23.06.2015

**Trade name: TREMCO CP320**

(Contd. of page 8)

- **14.3 Transport hazard class(es)**

- **ADR**



- **Class**

3 (F1) Flammable liquids.

- **Label**

3

- **IMDG, IATA**



- **Class**

3 Flammable liquids.

- **Label**

3

- **14.4 Packing group**

- **ADR, IMDG, IATA**

III

- **14.5 Environmental hazards:**

- **Marine pollutant:**

No

- **14.6 Special precautions for user**

Warning: Flammable liquids.

- **Danger code (Kemler):**

30

- **EMS Number:**

F-E, S-E

- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

- **Transport/Additional information:**

- **ADR**

- **Limited quantities (LQ)**

5L

- **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000

ml

- **Transport category**

3

- **Tunnel restriction code**

D/E

- **IMDG**

- **Limited quantities (LQ)**

5L

- **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000

ml

- **UN "Model Regulation":**

UN1263, PAINT, 3, III

GB

(Contd. on page 10)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 23.06.2015

Version number 3

Revision: 23.06.2015

Trade name: **TREMCO CP320**

(Contd. of page 9)

### SECTION 15: Regulatory information

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

Directive 1999/45/EC.

"CLP" Regulation (EC) No 1272/2008 (OJ L 353, 31.12.2008, p.1).

"CHIP" SI 2009 No.716.

"REACH" Regulation (EC) No 1907/2006 (OJ L 396, 30.12.2006, p.1, with subsequent amendments).

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010

COMMISSION REGULATION (EU) 2015/830 of 28 May 2015

#### · National regulations:

#### · Other regulations, limitations and prohibitive regulations

· **Substances of very high concern (SVHC) according to REACH, Article 57** Not applicable.

· **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.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

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.

H413 May cause long lasting harmful effects to aquatic life.

#### · Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Carc. 2: Carcinogenicity, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

(Contd. on page 11)



**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 23.06.2015

Version number 3

Revision: 23.06.2015

**Trade name: TREMCO CP320**

Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2  
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3  
Aquatic Chronic 4: Hazardous to the aquatic environment - Chronic Hazard, Category 4

(Contd. of page 10)

· \* **Data compared to the previous version altered.**

GB