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](image)
  ![GHS07](image)
- 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)
### 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.

<table>
<thead>
<tr>
<th>CAS: 9003-27-4</th>
<th>polyisobutylene</th>
<th>Aquatic Chronic 4, H413</th>
</tr>
</thead>
<tbody>
<tr>
<td>NLP: 500-004-7</td>
<td>20- &lt;30%</td>
<td></td>
</tr>
<tr>
<td>EC number: 919-857-5</td>
<td>hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics</td>
<td></td>
</tr>
<tr>
<td>Reg.nr.: 01-2119463258-33-xxxx</td>
<td>Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336</td>
<td></td>
</tr>
<tr>
<td>10- &lt;20%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC number: 919-446-0</td>
<td>hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, (2-25%) aromatics</td>
<td></td>
</tr>
<tr>
<td>Reg.nr.: 01-2119458049-33-xxxx</td>
<td>Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336</td>
<td></td>
</tr>
<tr>
<td>5- &lt;10%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS: 108-65-6</td>
<td>2-methoxy-1-methylethyl acetate</td>
<td></td>
</tr>
<tr>
<td>EINECS: 203-603-9</td>
<td>Flam. Liq. 3, H226</td>
<td></td>
</tr>
<tr>
<td>Reg.nr.: 01-2119475791-29-xxxx</td>
<td>5- &lt;10%</td>
<td></td>
</tr>
<tr>
<td>EC number: 918-668-5</td>
<td>hydrocarbons, C9, aromatic</td>
<td></td>
</tr>
<tr>
<td>Reg.nr.: 01-2119455851-35-xxxx</td>
<td>Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336</td>
<td></td>
</tr>
<tr>
<td>5- &lt;10%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS: 1309-64-4</td>
<td>antimony trioxide</td>
<td></td>
</tr>
<tr>
<td>EINECS: 215-175-0</td>
<td>Carc. 2, H351</td>
<td></td>
</tr>
<tr>
<td>Reg.nr.: 01-2119475613-35-xxxx</td>
<td>0.1- &lt;1%</td>
<td></td>
</tr>
</tbody>
</table>
# Trade name: TREMCO CP320

| CAS: 96-29-7 | EINECS: 202-496-6 | Reg.nr.: 01-2119539477-28-xxxx | 2-butanone oxime | Carc. II, 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.
CO2, 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.
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.
SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- Ingredients with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>Substance</th>
<th>OES Long-term value: 600 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, (2-25%) aromatics</td>
<td></td>
</tr>
<tr>
<td>108-65-6 2-methoxy-1-methylethyl acetate</td>
<td>WEL Short-term value: 548 mg/m³, 100 ppm</td>
</tr>
<tr>
<td></td>
<td>Long-term value: 274 mg/m³, 50 ppm</td>
</tr>
</tbody>
</table>

- Additional information:
The lists valid during the making were used as basis.

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 breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection:

  Tightly sealed goggles
**SECTION 9: Physical and chemical properties**

- **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/cm³
- **Solubility in / Miscibility with water:** Not miscible or difficult to mix.
- **Viscosity:**
  - Kinematic at 40 °C: 1211 - 1292 mm²/s
- **Solvent content:**
  - VOC (EU) \( \leq 390 \text{ g/l} \)
- **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
SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

LD/LC<sub>50</sub> values relevant for classification:

| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics |
|-----------------|-----------------|
| Oral | LD<sub>50</sub> | > 5000 mg/kg (rat) |
| Dermal | LD<sub>50</sub> | > 3000 mg/kg (rab) |

| Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, (2-25%) aromatics |
|-----------------|-----------------|
| Oral | LD<sub>50</sub> | > 5000 mg/kg (rat) |

1309-64-4 antimony trioxide

| Oral | LD<sub>50</sub> | >20000 mg/kg (rat) |

96-29-7 2-butanone oxime

| Oral | LD<sub>50</sub> | 3700 mg/kg (rat) |
| Dermal | LD<sub>50</sub> | 200-2000 mg/kg (rat) |
| Inhalative | LC<sub>50</sub>/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 (carcinogenesis, 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 |
|-----------------|-----------------|
| LC<sub>50</sub>/96 h | > 2000 mg/L (pimephales promelas) |
|                  | > 4 mg/L (crangon crangon) |

| Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, (2-25%) aromatics |
|-----------------|-----------------|
| LC<sub>50</sub>/96 h | 10-30 mg/L (fish) |
Trade name: TREMCO CP320

- **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.

<table>
<thead>
<tr>
<th>Ecotoxic effects:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, (2-25%) aromatics</td>
</tr>
<tr>
<td>IC50/72 h</td>
</tr>
</tbody>
</table>

- **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.

**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

- **European waste catalogue**
  - 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**

- **14.1 UN-Number**
  - ADR, IMDG, IATA: UN1263

- **14.2 UN proper shipping name**
  - ADR: 1263 PAINT
  - IMDG, IATA: PAINT

(Contd. on page 9)
Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 23.06.2015
Revision: 23.06.2015
Version number 3

Trade name: TREMCO CP320

<table>
<thead>
<tr>
<th>14.3 Transport hazard class(es)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ADR</strong></td>
</tr>
<tr>
<td><img src="image" alt="Flammable class" /></td>
</tr>
<tr>
<td>Class: 3 (F1) Flammable liquids</td>
</tr>
<tr>
<td>Label: 3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.4 Packing group</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR, IMDG, IATA</td>
</tr>
<tr>
<td>Packing group: III</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.5 Environmental hazards:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marine pollutant: No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.6 Special precautions for user</th>
</tr>
</thead>
<tbody>
<tr>
<td>Danger code (Kemler): 30</td>
</tr>
<tr>
<td>EMS Number: F-E,S-E</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Transport/Additional information:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR</td>
</tr>
<tr>
<td>Limited quantities (LQ): 5L</td>
</tr>
<tr>
<td>Exected quantities (EQ): Code: E1</td>
</tr>
<tr>
<td>Maximum net quantity per inner packaging: 30 ml</td>
</tr>
<tr>
<td>Maximum net quantity per outer packaging: 1000 ml</td>
</tr>
<tr>
<td>Transport category: 3</td>
</tr>
<tr>
<td>Tunnel restriction code: D/E</td>
</tr>
</tbody>
</table>

| IMDG                              |
| Limited quantities (LQ): 5L       |
| Exected quantities (EQ): Code: E1 |
| Maximum net quantity per inner packaging: 30 ml                          |
| Maximum net quantity per outer packaging: 1000 ml                        |

<table>
<thead>
<tr>
<th>UN &quot;Model Regulation&quot;:</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN1263, PAINT, 3, III</td>
</tr>
</tbody>
</table>
SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
  Directive 1999/45/EC.
  "CHIP" SI 2009 No.716.
  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 - Acute Hazard, Category 1
| 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 |

* * Data compared to the previous version altered.*