

Safety data sheet

acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 11.08.2022

Version number 3

Revision: 11.08.2022

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

· 1.1 Product identifier

· Trade name: **TREMCO RW451 A**

· MSDS code: W-T-RW451A

· 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 CPG UK Ltd
Coupland Road, Hindley Green, Wigan, WN2 4HT
Tel: +44 (0) 1942251400, Fax: +44 (0) 1942251410
msds@cpg-europe.com

· Further information obtainable from:

Tremco CPG UK Ltd
Coupland Road, Hindley Green, Wigan, WN2 4HT
T: +44 (0) 1942251400, F: +44 (0) 1942251410
www.cpg-europe.com, info.uk@cpg-europe.com

· 1.4 Emergency telephone number:

During office hours tel.: +44 (0) 1942251400. At all other times it is recommended to call NHS 111 (England/Wales/Scotland), your local GP/pharmacist (NI), 01 809 2166 (ROI), or otherwise to contact a doctor.

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2	H315 Causes skin irritation.
Eye Dam. 1	H318 Causes serious eye damage.
Skin Sens. 1	H317 May cause an allergic skin reaction.
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 GB CLP regulation.

· Hazard pictograms



GHS05 GHS07

· Signal word Danger

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· Contains:

Aldimine
calcium oxide

· Hazard statements

H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P273 Avoid release to the environment.
P280 Wear protective gloves / 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.
P310 Immediately call a POISON CENTER/doctor.
P333+P313 If skin irritation or rash occurs: Get medical advice.

· Regulation (EC) No 528/2012 on biocidal products

Contains a biocidal product: IPBC
May cause sensitisation by skin contact.

· 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: 54914-37-3	Aldimine	1-<5%
EINECS: 259-393-4	Skin Corr. 1B, H314; Skin Sens. 1, H317; Aquatic Chronic 3, H412	
CAS: 1305-78-8	calcium oxide	1-<5%
EINECS: 215-138-9	Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	
CAS: 1314-13-2	zinc oxide	1-<5%
EINECS: 215-222-5	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	

· SVHC -**· Additional information:**

For the wording of the listed hazard phrases refer to section 16.
Fillers are encapsulated within the liquid and therefore not expected to be released from the product under normal conditions of use.

· Regulation (EU) No 528/2012 Biocidal Products Regulation

CAS: 55406-53-6	3-Iodo-2-propynylbutylcarbamate	PT6
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SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Take affected persons out of danger area and lay down.

Immediately remove any clothing soiled by the product.

• **After inhalation:** Supply fresh air; consult doctor in case of complaints.

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:

Rinse out mouth with water.

Give small amounts of water to drink.

If symptoms persist consult doctor.

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

4.2 Most important symptoms and effects, both acute and delayed

Risk of serious damage to eyes.

Prolonged skin contact may cause redness and irritation.

May cause an allergic skin reaction.

• **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.

• **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.

Crawling vapors can result in greater distance from the ignition.

5.3 Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Remove persons from danger area.

Wear protective clothing.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

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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 of contaminated material as waste according to Section 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.

Do not handle until all safety precautions have been read and understood.

Avoid breathing vapours.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

Wear suitable protective clothing and gloves.

The usual precautionary measures are to be adhered to when handling chemicals.

Wash contaminated clothing before reuse.

· **Information about fire - and explosion protection:** The product is not flammable.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Store only in unopened original receptacles.

Store locked up.

· **Information about storage in one common storage facility:** Protect from heat and direct sunlight.

· **Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles.

Storage temperature: +15°C to 25°C

· **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:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs**

CAS: 1314-13-2 zinc oxide

Dermal	consumer	83 mg/kg/24h (general public)
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· **PNECs****CAS: 1314-13-2 zinc oxide**

PNEC	0.0206 mg/L (fresh water)
	0.1 mg/L (sewage treatment plant)
	0.0061 mg/L (marine)
PNEC	35.6 mg/kg dwt (soil)
	56.5 mg/kg dwt (sediment (salt water))
	117.8 mg/kg dwt (sediment (fresh water))

· **Additional information:**

The lists valid during the making were used as basis.

HSE EH40/2005 Workplace Exposure Limits (as amended)

Fillers are encapsulated within the liquid and therefore not expected to be released from the product under normal conditions of use.

· **8.2 Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash contaminated clothing before reuse.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not breathe vapour.

Ensure that washing facilities are available at the work place.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Use only in well-ventilated areas.

Use suitable respiratory protective device in case of insufficient ventilation.

For further guidance,

please refer to HSE HSG53 "Respiratory Protective Equipment at work - A Practical Guide".

· **Protection of hands:**

Protective gloves

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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- **Material of gloves**

Nitrile rubber, NBR

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

- **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:

According to product specification

- **Odour:**

Mild

- **pH-value:**

Not determined.

- **Melting point/freezing point:**

Undetermined.

- **Initial boiling point and boiling range:**

313 °C

- **Flash point:**

200 °C

- **Explosive properties:**

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
 Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

- **Density at 20 °C:**

1.46 g/cm³

- **Solubility in / Miscibility with water:**

Fully miscible.

- **Viscosity:**

Dynamic at 20 °C:

2,500 - 5,500 mPas

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· **Solvent content:****VOC (EU)**

1 g/L

VOC (EC)

0.04 %

· **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 acids and alkali.· **10.4 Conditions to avoid** Keep away from heat.· **10.5 Incompatible materials:** No further relevant information available.· **10.6 Hazardous decomposition products:**

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

Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information· **11.1 Information on toxicological effects**· **Acute toxicity** Based on available data, the classification criteria are not met.· **LD/LC50 values relevant for classification:****CAS: 1314-13-2 zinc oxide**

Oral | LD50 | >5,000 mg/kg (rat)

· **Primary irritant effect:**· **Skin corrosion/irritation**

Causes skin irritation.

· **Serious eye damage/irritation**

Causes serious eye damage.

· **Respiratory or skin sensitisation**

May cause an allergic skin reaction.

· **Additional toxicological information:**

Irritating to eyes, respiratory system and skin.

Harmful by inhalation and in contact with skin.

Harmful if swallowed.

· **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.

This product contains materials which show some carcinogenic risks to humans under IARC ("International Agency for Research on Cancer").

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Fillers are encapsulated within the liquid and therefore not expected to be released from the product under normal conditions of use.

- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **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:

CAS: 1314-13-2 zinc oxide

LC50/96 h | 1.1 mg/L (fish)

EC50/48 h | >1,000 mg/L (daphnia magna)

- **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.

· Ecotoxicological effects:

CAS: 1314-13-2 zinc oxide

IC50/72 h | 0.1-1 mg/L (algae)

- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**
 Harmful to aquatic organisms
 May cause long lasting harmful effects to aquatic life.
 Do not allow product to reach ground water, water course or sewage system, even in small quantities.
- **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

Disposal must be made according to official regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue

08 01 11* | waste paint and varnish containing organic solvents or other hazardous substances

HP14 | Ecotoxic

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- **Uncleaned packaging:**

- **Recommendation:**

Dispose of packaging according to regulations on the disposal of packagings.

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport information

- **14.1 UN-Number**

- **ADR, ADN, IMDG, IATA** Void

- **14.2 UN proper shipping name**

- **ADR** Void

Void

- **ADN, IMDG, IATA** Void

Void

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

- **ADR, ADN, IMDG, IATA**

- **Class** Void

- **14.4 Packing group**

- **ADR, IMDG, IATA** Void

- **14.5 Environmental hazards:** Not applicable.

- **14.6 Special precautions for user** Not applicable.

- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

- **UN "Model Regulation":** Void

SECTION 15: Regulatory information

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

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

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

COMMISSION REGULATION (EU) 2020/878 of 18 June 2020.

"BPR" Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products.

Regulation (EU) No 1037/2013 of 24 October 2013 approving IPBC as an existing active substance for use in biocidal products for product-type 6

HSE EH40/2005 Workplace Exposure Limits (as amended)

Guidance on the classification and assessment of waste | Technical Guidance WM3 (1st edition 2015)

"GB- CLP" The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019

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"UK- REACH" The UK REACH etc. (Amendment etc.) (EU Exit) Regulations 2020

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

- **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

- **National regulations:**

- **Information about limitation of use:** Employment restrictions concerning juveniles must be observed.
- **Other regulations, limitations and prohibitive regulations** No further relevant information available.
- **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**

H314 Causes severe skin burns and eye damage.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H335 May cause respiratory irritation.
 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.

- **Department issuing SDS:**

Prepared and verified in accordance with "UK REACH" Regulation (EC) No 1907/2006, Annex II, Part A, 0.2.3.

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Abbreviations and acronyms:

ADR: Accord relatif au transport international 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)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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