SAFETY DATA SHEET
AMTICO HT EXTRA

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

1.1. Product identifier

Product name AMTICO HT EXTRA
Internal identification HTE-5, HTA-15

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

Identified uses Flooring Adhesive
Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier The Amtico Company Ltd
Kingfield Road, Coventry, England.
CV6 5AA
+44 (0) 24 7686 1400

1.4. Emergency telephone number

Emergency telephone +44 (0) 24 7686 1400 Opening hours: Mon - Fri 08:30 - 16:45

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)
Physical hazards Not Classified
Health hazards Not Classified
Environmental hazards Not Classified

2.2. Label elements

Hazard statements EUH208 Contains 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE. May produce an allergic reaction.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Composition comments Synthetic polymer emulsion together with small percentages of thickener, stabiliser and preservative

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Treat symptomatically.
Inhalation Fresh air.
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Ingestion
Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Get medical attention if any discomfort continues.

Skin contact
Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention if irritation persists after washing.

Eye contact
Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed
General information
The product is considered to be a low hazard under normal conditions of use.

Inhalation
No specific symptoms known.

Ingestion
No specific symptoms known.

Skin contact
May cause sensitisation or allergic reactions in sensitive individuals.

Eye contact
May cause temporary eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed
Notes for the doctor
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media
The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture
Specific hazards
No unusual fire or explosion hazards noted.

Hazardous combustion products
Does not decompose when used and stored as recommended.

5.3. Advice for firefighters
Protective actions during firefighting
No specific firefighting precautions known.

Special protective equipment for firefighters
Wear chemical protective suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Personal precautions
Wear protective gloves and, in case of splashes, goggles/face shield too.

6.2. Environmental precautions
Environmental precautions
Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up
Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections
Reference to other sections
For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
AMTICO HT EXTRA

Usage precautions

Provide adequate ventilation. Good personal hygiene procedures should be implemented.

Advice on general occupational hygiene

Wash at the end of each work shift and before eating, smoking and using the toilet.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in closed original container at temperatures between 5°C and 30°C. Protect from freezing and direct sunlight.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Protective equipment

Appropriate engineering controls

Provide adequate ventilation.

Personal protection

Always check applicability with your supplier of protective equipment.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection

No specific requirements are anticipated under normal conditions of use.

Hygiene measures

Provide eyewash station. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

Respiratory protection

No specific recommendations.

Thermal hazards

None

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Viscous liquid.

Colour

Pink.

Odour

Characteristic.

Odour threshold

Not determined.

pH

pH (concentrated solution): 5.5 - 6.5

Melting point

Not applicable.

Initial boiling point and range

Not determined.

Flash point

Not applicable.
### AMTICO HT EXTRA

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<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Evaporation rate</td>
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<tr>
<td>Evaporation factor</td>
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<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable.</td>
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<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Other flammability</td>
<td>Not applicable.</td>
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<tr>
<td>Vapour pressure</td>
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<td>Vapour density</td>
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<tr>
<td>Relative density</td>
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<td>Bulk density</td>
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<tr>
<td>Solubility(ies)</td>
<td>Soluble in water.</td>
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<td>Partition coefficient</td>
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<td>Auto-ignition temperature</td>
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<td>Decomposition Temperature</td>
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<tr>
<td>Viscosity</td>
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<td>Explosive properties</td>
<td>Not applicable.</td>
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<tr>
<td>Explosive under the influence of a flame</td>
<td>Not considered to be explosive.</td>
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<tr>
<td>Oxidising properties</td>
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<tr>
<td>Comments</td>
<td>Information given is applicable to the product in its ready-to-use form.</td>
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### 9.2. Other information

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<tr>
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<td>Other information</td>
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<tr>
<td>Refractive index</td>
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<tr>
<td>Particle size</td>
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<tr>
<td>Molecular weight</td>
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<tr>
<td>Volatility</td>
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<td>Saturation concentration</td>
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<tr>
<td>Critical temperature</td>
<td>Not determined.</td>
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<tr>
<td>Volatile organic compound</td>
<td>Not determined.</td>
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</table>

### SECTION 10: Stability and reactivity

10.1. Reactivity

**Reactivity**

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

**Stability**

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions**

No specific material or group of materials is likely to react with the product to produce a hazardous situation.
10.4. Conditions to avoid

Avoid freezing. Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects

No information available.

Acute toxicity - oral
Notes (oral LD₅₀)
No specific test data are available.

Acute toxicity - dermal
Notes (dermal LD₅₀)
No specific test data are available.

Acute toxicity - inhalation
Notes (inhalation LC₅₀)
No specific test data are available.

Skin corrosion/irritation
Skin corrosion/irritation
Not irritating.

Animal data
No specific test data are available.

Human skin model test
No specific test data are available.

Extreme pH
No specific test data are available.

Serious eye damage/irritation

Not irritating.

Respiratory sensitisation
Respiratory sensitisation
Not sensitising.

Skin sensitisation
Skin sensitisation
Not sensitising.

Germ cell mutagenicity
Genotoxicity - in vitro
Not determined.

Genotoxicity - in vivo
Not determined.

Carcinogenicity
Carcinogenicity
Does not contain any substances known to be carcinogenic.

Target organ for carcinogenicity
Not relevant.

IARC carcinogenicity
Not listed.

Reproductive toxicity
Reproductive toxicity - fertility
Does not contain any substances known to be toxic to reproduction.
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Reproductive toxicity - development
Not considered to be toxic to the reproductive system.

Specific target organ toxicity - single exposure
STOT - single exposure Not applicable.
Target organs Not relevant.

Specific target organ toxicity - repeated exposure
STOT - repeated exposure Not applicable.
Target organs Not relevant.
Aspiration hazard Not relevant.

General information
No specific health hazards known.

Inhalation
The product is considered to be a low hazard under normal conditions of use.

Ingestion
No harmful effects expected from quantities likely to be ingested by accident.

Skin contact
Skin irritation should not occur when used as recommended.

Eye contact
May cause discomfort.

Acute and chronic health hazards
No specific health hazards known.

Medical symptoms
No specific symptoms noted.

Medical considerations
No information available.

2-METHYL-2H-ISOTHIAZOL-3-ONE

Acute toxicity - oral
ATE oral (mg/kg) 100.0

Acute toxicity - dermal
ATE dermal (mg/kg) 300.0

5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE

Acute toxicity - inhalation
ATE inhalation (vapours mg/l) 3.0

SECTION 12: Ecological Information

Ecotoxicity
There are no data on the ecotoxicity of this product.

12.1. Toxicity

Toxicity
Not considered toxic to fish.

Acute toxicity - fish
Not determined

Acute toxicity - aquatic invertebrates
Not determined.

Acute toxicity - aquatic plants
Not determined.
**AMTICO HT EXTRA**

**Acute toxicity - microorganisms**
Not determined.

**Acute toxicity - terrestrial**
Not determined.

**Chronic toxicity - fish early life stage**
Not determined.

**Short term toxicity - embryo and sac fry stages**
Not determined.

**Chronic toxicity - aquatic invertebrates**
Not determined.

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**BRONOPOL (INN)**

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<thead>
<tr>
<th>Acute aquatic toxicity</th>
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<tbody>
<tr>
<td>LE(C)₅₀</td>
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<tr>
<td>0.01 &lt; L(E)C₅₀ ≤ 0.1</td>
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<tr>
<td>M factor (Acute)</td>
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</table>

**2-METHYL-2H-ISOTHIAZOL-3-ONE**

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<tbody>
<tr>
<td>LE(C)₅₀</td>
</tr>
<tr>
<td>0.01 &lt; L(E)C₅₀ ≤ 0.1</td>
</tr>
<tr>
<td>M factor (Acute)</td>
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<tr>
<td>10</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Acute toxicity - microorganisms</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC₂₀, 3 hours: 2.8 mg/l, Activated sludge</td>
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<tr>
<td>EC₅₀, 3 hours: 34.6 mg/l, Activated sludge</td>
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</table>

**1,2-BENZISOTHIAZOL-3(2H)-ONE**

<table>
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<th>Acute aquatic toxicity</th>
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<tbody>
<tr>
<td>LE(C)₅₀</td>
</tr>
<tr>
<td>0.1 &lt; L(E)C₅₀ ≤ 1</td>
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<tr>
<td>M factor (Acute)</td>
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</table>

<table>
<thead>
<tr>
<th>Acute toxicity - fish</th>
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</thead>
<tbody>
<tr>
<td>NOEC, : 0.21 mg/l, Onchorhynchus mykiss (Rainbow trout)</td>
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<table>
<thead>
<tr>
<th>Acute toxicity - aquatic plants</th>
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</thead>
<tbody>
<tr>
<td>EC₀, 72 hours: 0.04 mg/l, Selenastrum capricornutum</td>
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<table>
<thead>
<tr>
<th>Acute toxicity - microorganisms</th>
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<tbody>
<tr>
<td>EC₂₀, 3 hours: 3.3 mg/l, Activated sludge</td>
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<table>
<thead>
<tr>
<th>Chronic toxicity - aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOEC, 21 days: 1.2 mg/l, Daphnia magna</td>
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</tbody>
</table>

**5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE**

<table>
<thead>
<tr>
<th>Acute aquatic toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>LE(C)₅₀</td>
</tr>
<tr>
<td>0.1 &lt; L(E)C₅₀ ≤ 1 &lt; L(E)C₅₀ ≤ 0.1</td>
</tr>
<tr>
<td>M factor (Acute)</td>
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<tr>
<td>10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Acute toxicity - fish</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC₅₀, 96 hours: 0.19 mg/l, Onchorhynchus mykiss (Rainbow trout)</td>
</tr>
</tbody>
</table>
AMTICO HT EXTRA

Acute toxicity - aquatic invertebrates
EC₅₀, 48 hours: 0.16 mg/l, Daphnia magna

Acute toxicity - aquatic plants
, 72 hours: 0.027 mg/l, Selenastrum capricornutum

Chronic aquatic toxicity
M factor (Chronic) 10

12.2. Persistence and degradability

Persistence and degradability
There are no data on the degradability of this product.

Phototransformation
Not determined.

Stability (hydrolysis)
Not determined.

Biodegradation
Not determined.

Biological oxygen demand
No specific test data are available.

Chemical oxygen demand
No specific test data are available.

2-METHYL-2H-ISOTHIAZOL-3-ONE

Biodegradation
Water - Degradation > 70%:

12.3. Bioaccumulative potential

Bioaccumulative potential
No data available on bioaccumulation.

Partition coefficient
Not applicable.

2-METHYL-2H-ISOTHIAZOL-3-ONE

Bioaccumulative potential
BCF: 3.16,

Partition coefficient
log Kow: -0.32

1,2-BENZISOTHIAZOL-3(2H)-ONE

Bioaccumulative potential
BCF: 6.95, Algae

Partition coefficient
log Kow: 0.7

12.4. Mobility in soil

Mobility
The product is non-volatile.

Adsorption/desorption coefficient
Not determined.

Henry's law constant
Not determined.

Surface tension
Not determined.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment
This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects
None known.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods
Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Small quantities may be absorbed in sand and allowed to dry, prior to disposal as low hazard waste. Larger quantities should be disposed of as controlled liquid waste via a licensed waste operator.

SECTION 14: Transport information

General
The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number
Not applicable.

14.2. UN proper shipping name
Not applicable.

14.3. Transport hazard class(es)
No transport warning sign required.

14.4. Packing group
Not applicable.

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user
Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable.

SECTION 15: Regulatory information

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

National regulations
Control of Substances Hazardous to Health Regulations 2002 (as amended).

Guidance
Workplace Exposure Limits EH40.
Safety Data Sheets for Substances and Preparations.

Authorisations (Title VII Regulation 1907/2006)
No specific authorisations are known for this product.

Restrictions (Title VIII Regulation 1907/2006)
No specific restrictions on use are known for this product.

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.

SECTION 16: Other information

9/10
### AMTICO HT EXTRA

**Abbreviations and acronyms used in the safety data sheet**
- ATE: Acute Toxicity Estimate.
- PBT: Persistent, Bioaccumulative and Toxic substance.
- vPvB: Very Persistent and Very Bioaccumulative.

### General information
- Technical Data Sheet

### Key literature references and sources for data
- Health and Safety Executive Guidance Note EH40 (amended annually). Workplace Exposure Limits.

### Revision comments
- Section 1 update

### Revision details
- **Revision date**: 05/12/2017
- **Revision**: 2
- **Supersedes date**: 01/11/2017
- **SDS number**: 20919
- **SDS status**: Approved.

### Hazard statements in full
- EUH208 Contains 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE. May produce an allergic reaction.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.