

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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Holdtite T41

Revision 0

Revision date 2017-09-12

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

1.1. Product identifier

| | |
|--------------|--------------|
| Product name | Holdtite T41 |
|--------------|--------------|

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

| | |
|-------------|--|
| Product Use | [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC1] Adhesives, sealants; |
|-------------|--|

1.3. Details of the supplier of the safety data sheet

| | |
|-----------|--|
| Company | Bondchem |
| Address | Unit 10 Lawson Street Dock Road Industrial Estate North Shields Tyne and Wear NE29 6TF |
| Web | www.bondchem.com |
| Telephone | +44 (0)191 2586990 |
| Fax | +44 (0)191 2596853 |

1.4. Emergency telephone number


| | |
|----------------------------|---|
| Emergency telephone number | +44(0)191 2586990 |
| Company | Bondchem (Head Office) 24 hours (Diverted out of office hours) |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

| | |
|--------------------------------------|--|
| 2.1.1. Classification - 1999/45/EC | Xi; R36/37/38-43 Symbols: Xi: Irritant. |
| Main hazards | Irritating to eyes, respiratory system and skin. May cause sensitisation by skin contact. |
| 2.1.2. Classification - EC 1272/2008 | Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; STOT SE 3: H335; Aquatic Chronic 3: H412; |

2.2. Label elements

| | |
|-------------------|--|
| Hazard pictograms |  |
| Signal Word | Warning |
| Hazard Statement | Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. |

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2.2. Label elements

| | |
|--|---|
| Precautionary Statement: Prevention | P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection. |
| Precautionary Statement: Response | P302+P352 - IF ON SKIN: Wash with plenty of water/ . P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - 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. P321 - Specific treatment (see on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. |
| Precautionary Statement: Storage | P403+P233 - Store in a well-ventilated place. Keep container tightly closed. |
| Precautionary Statement: Disposal | P405 - Store locked up. P501 - Dispose of contents/container to |

2.3. Other hazards

| | |
|----------------------|---|
| Other hazards | This product does not contain any substances classified as PBT or vPvB. |
|----------------------|---|

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

| Chemical Name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification | M-factor. |
|---|--------------|------------|-----------|---------------------------|--------------|---|-----------|
| Cumene hydroperoxide | 617-002-00-8 | 80-15-9 | 201-254-7 | 01-2119475796-19 | 1 - 10% | O; R7 T; R23 Xn; R21/22-48/20/22 C; R34 N; R51/53 | |
| Triethyleneglycol Dimethacrylate | | 109-16-0 | 203-652-6 | 01-2119969287-21 | 20 - 30% | Xi; R43 | |
| 2-Hydroxyethyl methacrylate | 607-124-00-X | 868-77-9 | 212-782-2 | 01-2119490169-29 | 30 - 40% | Xi; R36/38 R43 | |
| Cumene | 601-024-00-X | 98-82-8 | 202-704-5 | | 0 - 0.5% | R10 Xn; R65 Xi; R37 N; R51/53 | |
| Titanium dioxide | | 13463-67-7 | 236-675-5 | 01-2119489379-17 | 0 - 0.5% | | |
| 1-Acetyl-2-Phenylhydrazine | | 114-83-0 | | | 0 - 0.5% | T; R25 Xi; R36/37/38-43 | |
| Butylated Hydroxytoluene (2,6-Di-tert-butyl-p-cresol) | | 128-37-0 | | 01-2119555270-46 | 0 - 0.5% | R53 | |

EC 1272/2008

| Chemical Name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification | M-factor. |
|----------------------------------|--------------|----------|-----------|---------------------------|--------------|--|-----------|
| Cumene hydroperoxide | 617-002-00-8 | 80-15-9 | 201-254-7 | 01-2119475796-19 | 1 - 10% | Org. Perox. EF: H242; Acute Tox. 3: H331; Acute Tox. 4: H312; Acute Tox. 4: H302; STOT RE 2: H373; Skin Corr. 1B: H314; Aquatic Chronic 2: H411; | |
| Triethyleneglycol Dimethacrylate | | 109-16-0 | 203-652-6 | 01-2119969287-21 | 20 - 30% | Skin Sens. 1: H317; | |
| 2-Hydroxyethyl methacrylate | 607-124-00-X | 868-77-9 | 212-782-2 | 01-2119490169-29 | 30 - 40% | Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; | |
| 1-Acetyl-2-Phenylhydrazine | | 114-83-0 | | | 0 - 0.5% | Acute Tox. 3: H301; Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; STOT SE 3: H335; | |

SECTION 4: First aid measures

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4.1. Description of first aid measures

| | |
|--------------|---|
| Inhalation | Move the exposed person to fresh air. Remove casualty from exposure ensuring one's own safety whilst doing so. Seek medical attention if irritation or symptoms persist. |
| Eye contact | Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention. |
| Skin contact | Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist. |
| Ingestion | If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Keep the affected person warm and at rest. Rinse mouth thoroughly. Drink 1 to 2 glasses of water. Seek medical attention. |

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

| | |
|--------------|---|
| Inhalation | Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. |
| Eye contact | Irritating to eyes. |
| Skin contact | Irritating to skin. Eczema. Itching. |
| Ingestion | Ingestion may cause nausea and vomiting. |

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

| | |
|--|---|
| | Remove the affected person from the source of contamination immediately. If you feel unwell, seek medical advice (show the label where possible). |
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SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--|---|
| | Alcohol resistant foam. Carbon dioxide (CO2). Dry chemical. |
|--|---|

5.2. Special hazards arising from the substance or mixture

| | |
|--|---|
| | Burning produces irritating, toxic and obnoxious fumes. |
|--|---|

5.3. Advice for firefighters

| | |
|--|--|
| | In case of fire and/or explosion do not breathe fumes. Wear: Protective equipment. Self-contained breathing apparatus. Cool fire exposed containers with waterspray. |
|--|--|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|--|--|
| | Ensure adequate ventilation of the working area. Wear suitable protective equipment. |
|--|--|

6.2. Environmental precautions

| | |
|--|---|
| | Do not allow product to enter drains. Prevent further spillage if safe. |
|--|---|

6.3. Methods and material for containment and cleaning up

| | |
|--|---|
| | Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Do not allow runoff water to enter sewers or drains. Do not empty into drains; dispose of this material and its container in a safe way. |
|--|---|

6.4. Reference to other sections

| | |
|--|---|
| | Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind, keeping bystanders also upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak side up to prevent escape of liquid. |
|--|---|

SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|--|---|
| | Avoid contact with eyes and skin. Wear suitable protective clothing and gloves. Wear eye/face protection. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing. Do not eat, drink or smoke in areas where this product is used or stored. Wash hands after handling the product. |
|--|---|

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7.2. Conditions for safe storage, including any incompatibilities

| | |
|--|--|
| | Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. |
|--|--|

7.3. Specific end use(s)

| | |
|--|---|
| | Industrial uses: Uses of substances as such or in preparations at industrial sites. |
|--|---|

Suitable packaging

| | |
|--|--------------------------|
| | LDPE Plastic containers. |
|--|--------------------------|



SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

| | | |
|--|---|---|
| Butylated Hydroxytoluene (2,6-Di-tert-butyl-p-cresol) | WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust: | WEL 8-hr limit mg/m3: 10 WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust: |
| Cumene | WEL 8-hr limit ppm: 25 WEL 15 min limit ppm: 50 WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust: | WEL 8-hr limit mg/m3: 125 WEL 15 min limit mg/m3: 250 WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust: |
| Titanium dioxide | WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total 10 inhalable dust: WEL 8-hr limit mg/m3 total 4 respirable dust: | WEL 8-hr limit mg/m3: - WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust: |

8.2. Exposure controls

| | |
|---|--|
| |   |
| 8.2.1. Appropriate engineering controls | Ensure adequate ventilation of the working area. |
| 8.2.2. Individual protection measures | Wear chemical protective clothing. |
| Eye / face protection | Approved safety goggles. |
| Skin protection - Handprotection | Chemical resistant gloves (PVC). |
| Respiratory protection | In case of insufficient ventilation, wear suitable respiratory equipment. |
| 8.2.3. Environmental exposure controls | Not normally required. |
| Occupational exposure controls | Wash hands at the end of each shift and before eating, smoking and using the toilet. Wash skin promptly if skin becomes contaminated. Promptly remove any clothing that has become contaminated. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

| | |
|----------------------------------|---------------------------------------|
| Appearance | Liquid |
| Colour | Blue |
| Odour | Characteristic |
| pH | No data available |
| Melting point | No data available |
| Freezing Point | No data available |
| Initial boiling point | No data available |
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Fat Solubility | No data available |
| Partition coefficient | No data available |
| Autoignition temperature | No data available |
| Explosive properties | No data available |
| Oxidising properties | No data available |
| Relative density | > 1.12 (H ₂ O = 1 @ 20 °C) |
| Viscosity | = 125 mPas (Cone & Plate) |
| Solubility | No data available |

9.2. Other information

| | |
|------------------------|-------------------|
| Conductivity | No data available |
| Surface tension | No data available |

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|--|---|
| | Avoid contact with: Copper and its alloys. Peroxides. Strong acids. |
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10.2. Chemical stability

| | |
|--|---------------------------------|
| | Stable under normal conditions. |
|--|---------------------------------|

10.3. Possibility of hazardous reactions

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| | If product is contaminated and becomes unstable the product may polymerize and produce an exothermic reaction. |
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10.4. Conditions to avoid

| | |
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| | Heat. Keep only in the original container at a temperature not exceeding 15 °C. |
|--|---|

10.5. Incompatible materials

| | |
|--|--|
| | Acids. Copper and its alloys. Strong oxidising agents. |
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10.6. Hazardous decomposition products

| | |
|--|---|
| | Burning produces irritating, toxic and obnoxious fumes. |
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SECTION 11: Toxicological information

11.1.4. Toxicological Information

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11.1.4. Toxicological Information

| | | |
|----------------------------------|--|--------------------------------|
| 1-Acetyl-2-Phenylhydrazine | Oral Mouse LD50: 270mg/kg | |
| 2-Hydroxyethyl methacrylate | Dermal Rat LD50: >5000mg/kg | Oral Rat LD50: >5000mg/kg |
| Butylated Hydroxytoluene | Oral Rat LD50: 1700mg/kg Dermal Guinea Pig LD50: >8000mg/kg | Oral Mouse LD50: 800-1600mg/kg |
| Cumene | Dermal Rat LD50: 12.3mg/kg | Oral Rat LD50: 2910mg/kg |
| Cumene hydroperoxide | Inhalation Rat LC50/4 h: 220ppm | Oral Rat LD50: 382mg/kg |
| Titanium dioxide | Oral Rat LD50: >5000mg/kg Inhalation Rat LC50/4 h: >6.8mg/l | Dermal Rabbit LD50: >5000mg/kg |
| Triethyleneglycol Dimethacrylate | Oral Mouse LD50: >200mg/kg body weight | |

SECTION 12: Ecological information

12.1. Toxicity

| | | |
|----------------------------------|-------------------------------|------------------------------|
| 2-Hydroxyethyl methacrylate | Algae IC50/72h: 836.0000 mg/l | Fish LC50/96h: 100.0000 mg/l |
| Butylated Hydroxytoluene | Daphnia EC50/48h: 1.4400 mg/l | |
| Cumene | Fish LC50/96h: 6.3200 mg/l | |
| Cumene hydroperoxide | Fish LC50/96h: 3.9000 mg/l | |
| Titanium dioxide | Fish LC50/96h: 1000.0000 mg/l | Daphnia LC50/48h: >100mg/l |
| Triethyleneglycol Dimethacrylate | Fish LC50/96h: 16.4 mg/l | |

12.3. Bioaccumulative potential

Partition coefficient

| | |
|--|--------------------------------|
| | Holdtite T41 No data available |
|--|--------------------------------|

12.5. Results of PBT and vPvB assessment

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|--|--|
| | The product does not contain any substances classified as PBT or vPvB. |
|--|--|

SECTION 13: Disposal considerations

General information

| | |
|--|---|
| | Dispose of in compliance with all local and national regulations. |
|--|---|

Disposal methods

| | |
|--|--|
| | For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. |
|--|--|

Disposal of packaging

| | |
|--|---|
| | Empty containers can be sent for disposal or recycling. |
|--|---|

SECTION 14: Transport information

14.1. UN number

| | |
|--|--|
| | The product is not classified as dangerous for carriage. |
|--|--|

14.2. UN proper shipping name

| | |
|--|--|
| | The product is not classified as dangerous for carriage. |
|--|--|

14.3. Transport hazard class(es)

| | |
|--|--|
| | The product is not classified as dangerous for carriage. |
|--|--|

14.4. Packing group

| | |
|--|--|
| | The product is not classified as dangerous for carriage. |
|--|--|

14.5. Environmental hazards

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14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

SECTION 16: Other information**Other information****Text of risk phrases in Section 3**

R7 - May cause fire.
 R10 - Flammable
 R21/22 - Harmful in contact with skin and if swallowed.
 R23 - Toxic by inhalation.
 R25 - Toxic if swallowed.
 R34 - Causes burns.
 R36/37/38 - Irritating to eyes, respiratory system and skin.
 R36/38 - Irritating to eyes and skin.
 R37 - Irritating to respiratory system.
 R43 - May cause sensitisation by skin contact.
 R48/20/22 - Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
 R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R53 - May cause long-term adverse effects in the aquatic environment.
 R65 - Harmful: may cause lung damage if swallowed.

Text of Hazard Statements in Section 3

Skin Sens. 1: H317 - May cause an allergic skin reaction.
 Skin Irrit. 2: H315 - Causes skin irritation.
 Eye Irrit. 2: H319 - Causes serious eye irritation.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.