SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

1.1 Product Identifier

Product Name: Bondex

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

Identified Use(s): Sealant/adhesive

1.3 Details of the supplier of the safety data sheet

Company Name: Polycote UK LLP
Centre Point
Wolseley Road
Woburn Road Industrial Estate
Kempston
Beds
MK42 7EF

Telephone Number: 01234 846400

Emergency Contact Number: 111 (NHS England)

Email address: uksales@polycote.com

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Classification (REGULATION (EC) No 1272/2008):
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008):
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Additional Labelling

EUH210 Safety data sheet available on request.

EUH208 Contains 1,2-benzisothiazol-3(2H)-one (BIT), 2-methyl-2H-isothiazol-3-one (MIT), reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

2.3 Other hazards: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Contains a biocide in order to protect the product. Active ingredient: reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 55965-84-9. Please use treated articles responsibly.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
1,2-benzisothiazol-3(2H)-one (BIT)	2634-33-5 220-120-9 613-088-00-6 01-2120761540-60-XXXX	Acute Tox. 4; H302 Acute Tox. 2; H330 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1 specific concentration limit Skin Sens. 1A; H317 >= 0,036 % Acute toxicity esti-mate Acute oral toxicity: 450 mg/kg Acute inhalation toxicity (dust/mist): 0,21 mg/l	>= 0,025 - < 0,05

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS (continue)

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
2-methyl-2H-isothiazol-3-one (MIT)	2682-20-4 220-239-6 613-326-00-9 01-2120764690-50-XXXX	Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 3; H311 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071 M-Factor (Acute aquatic toxicity): 1010 M-Factor (Chronic aquatic toxicity): 11 specific concentration limit Skin Sens. 1A; H317 >= 0,0015 % Acute toxicity esti-mate Acute oral toxicity: 200 mg/kg	>= 0,0002 - < 0,0015
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9 613-167-00-5 01-2120764691-48-XXXX	Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 2; H310 Skin Corr. 1C; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071 M-Factor (Acute aquatic toxicity): 100100 M-Factor (Chronic aquatic toxicity): 100100 specific concentration limit Skin Corr. 1C; H314 >= 0,6 % specific concentration limit Skin Irrit. 2; H315 0,06 - < 0,6 % specific concentration limit Eye Irrit. 2; H319 0,06 - < 0,6 % specific concentration limit Skin Sens. 1A; H317 >= 0,0015 % specific concentration limit Eye Dam. 1; H318 >= 0,6 %	>= 0,0002 - < 0,0015

For explanation of abbreviations see section 16.

SECTION 4: FIRST-AID MEASURES

4.1 Description of first aid measures:

General advice: No hazards which require special first aid measures.

By inhalation: Move to fresh air.

By skin contact: Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.

By eye contact: Remove contact lenses.
Keep eye wide open while rinsing.

By ingestion/aspiration: Do not induce vomiting without medical advice.
Rinse mouth with water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: See Section 11 for more detailed information on health effects and symptoms.

Risks: No known significant effects or hazards.

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

Treatment: Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: In case of fire, use water/water spray/water jet/carbon dioxide/sand/foam/alcohol resistant foam/ chemical powder for extinction.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

Further information: Standard procedure for chemical fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures: For personal protection see section 8.

6.2 Environmental precautions: No special environmental precautions required.

6.3 Methods and material for containment and cleaning up: Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections: For personal protection see section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling: For personal protection see section 8.
No special handling advice required.
Follow standard hygiene measures when handling chemical products

Advice on protection against fire and explosion: Normal measures for preventive fire protection.

Hygiene measures: When using do not eat or drink. When using do not smoke.

7.2 Conditions for safe storage, including any Incompatibilities:

Requirements for storage areas and containers: Keep container tightly closed in a dry and well-ventilated place. Store in accordance with local regulations.

Advice on common storage: No special restrictions on storage with other products.

Further information on storage stability: No decomposition if stored and applied as directed.

7.3 Specific end use(s) Not available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Occupational Exposure Limits

Contains no substances with occupational exposure limit values.

8.2 Exposure controls:

Personal protection equipment	Remarks
Eye/face protection	Safety glasses
Hand protection	Chemical-resistant, impervious gloves complying with an ap-proved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications. Butyl rubber/nitrile rubber gloves (> 0,1 mm) Recommended: Butyl rubber/nitrile rubber gloves.
Skin and body protection	Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing and stirring work.
Respiratory protection	No special measures required.

Environmental exposure controls

General advice: No special environmental precautions required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: liquid
Colour: white
Odour: slight
Melting point/ range / Freezing point: No data available
Boiling point/boiling range: No data available
Flammability (solid, gas): No data available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continue)

Upper/lower flammability or explosive limits	
Upper explosion limit / Up-per flammability limit:	No data available
Lower explosion limit / Lower flammability limit:	No data available
Flash point:	> 100 °C
Method:	closed cup
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH:	8,5 - 11 (20 °C)
Viscosity	
Viscosity, dynamic:	< 500 mPa.s
Viscosity, kinematic:	> 7 mm2/s (40 °C)
Solubility(ies)	
Water solubility:	No data available
Partition coefficient: n-octanol/water	No data available
Vapour pressure:	23 hPa
Density:	ca. 1,02 g/cm3 (20 °C)
Relative vapour density:	No data available
Particle characteristics:	No data available
9.2 Other information	No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:	No dangerous reaction known under conditions of normal use.
10.2 Chemical stability:	The product is chemically stable.
10.3 Possibility of hazardous reactions:	No hazards to be specially mentioned.
10.4 Conditions to avoid:	No data available
10.5 Incompatible materials:	No data available
10.6 Hazardous decomposition products:	No decomposition if stored and applied as directed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	Not classified based on available information.
Components:	
1,2-benzisothiazol-3(2H)-one (BIT):	
Acute oral toxicity:	Acute toxicity estimate: 450 mg/kg Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008 LD50 Oral (Rat): 450 mg/kg
Acute inhalation toxicity:	Acute toxicity estimate: 0,21 mg/l Test atmosphere: dust/mist Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008 LC50: 0,21 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403
Acute dermal toxicity:	LD50 Dermal (Rabbit): > 2.000 mg/kg
2-methyl-2H-isothiazol-3-one (MIT):	
Acute oral toxicity	LD50 (Rat): 200 mg/kg
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):	
Acute inhalation toxicity:	Assessment: Corrosive to the respiratory tract.
Skin corrosion/irritation	Not classified based on available information.
Serious eye damage/eye irritation	Not classified based on available information.
Respiratory or skin sensitisation	-
Skin sensitisation	Not classified based on available information.
Respiratory sensitisation	Not classified based on available information.
Components:	
1,2-benzisothiazol-3(2H)-one (BIT):	
Assessment:	May cause sensitisation by skin contact.
Germ cell mutagenicity:	Not classified based on available information.
Carcinogenicity:	Not classified based on available information.
Reproductive toxicity:	Not classified based on available information.
STOT - single exposure:	Not classified based on available information.
STOT - repeated exposure:	Not classified based on available information.
Aspiration toxicity:	Not classified based on available information.

SECTION 11: TOXICOLOGICAL INFORMATION (continue)

11.2 Information on other hazards
Endocrine disrupting properties

Product:

Assessment	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity
Components:

1,2-benzisothiazol-3(2H)-one (BIT):

Toxicity to daphnia and other aquatic invertebrates:	EC50 (Daphnia (water flea)): 3 mg/l Exposure time: 48 h
M-Factor (Acute aquatic toxicity):	1
M-Factor (Chronic aquatic toxicity):	1

2-methyl-2H-isothiazol-3-one (MIT):

M-Factor (Acute aquatic toxicity):	10 10
M-Factor (Chronic aquatic toxicity):	1 1

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):

M-Factor (Acute aquatic toxicity):	100 100
M-Factor (Chronic aquatic toxicity):	100 100

12.2 Persistence and degradability: No data available

12.3 Bioaccumulative potential: No data available

12.4 Mobility in soil: No data available

12.5 Results of PBT and vPvB assessment
Product:

Assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties
Product:

Assessment: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects
Product:

Additional ecological information: There is no data available for this product.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: TRANSPORT INFORMATION

14.1	**UN number:**	**ADR:** Not regulated as a dangerous good **IMDG:** Not regulated as a dangerous good **IATA:** Not regulated as a dangerous good
14.2	**UN proper shipping name:**	**ADR:** Not regulated as a dangerous good **IMDG:** Not regulated as a dangerous good **IATA:** Not regulated as a dangerous good
14.3	**Transport Hazard Class(es):**	**ADR:** Not regulated as a dangerous good **IMDG:** Not regulated as a dangerous good **IATA:** Not regulated as a dangerous good
14.4	**Packing Group**	**ADR:** Not regulated as a dangerous good **IMDG:** Not regulated as a dangerous good **IATA (Cargo):** Not regulated as a dangerous good **IATA (Passenger):** Not regulated as a dangerous good

SECTION 14: TRANSPORT INFORMATION (continue)

14.5	**Environmental hazards**	Not regulated as a dangerous good
14.6	**Special precautions for user**	Not applicable
14.7	**Maritime transport in bulk according to IMO instruments**	Not applicable for product as supplied.

SECTION 15: REGULATORY INFORMATION

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

Relevant EU provisions transposed through retained EU law

UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation:	Not applicable
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain):	Not applicable
International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors:	Not applicable
Regulation (EU) No 2024/590 on substances that deplete the ozone layer:	Not applicable
UK REACH List of substances subject to authorisation (Annex XIV):	Not applicable
Volatile organic compounds:	Law on the incentive tax for volatile organic compounds (VOCV) no VOC duties Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control) Not applicable

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

Health, safety and environ-mental regulation/ legislation specific for the substance or mixture:	Environmental Protection Act 1990 & Subsidiary Regulations Health and Safety at Work Act 1974 & Subsidiary Regulations Control of Substances Hazardous to Health Regulations (COSHH) May be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments.
15.2 Chemical safety assessment:	No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: OTHER INFORMATION

Full text of H-Statements

H301:	Toxic if swallowed.
H302:	Harmful if swallowed.
H310:	Fatal in contact with skin.
H311:	Toxic in contact with skin.
H314:	Causes severe skin burns and eye damage.
H315:	Causes skin irritation.
H317:	May cause an allergic skin reaction.
H318:	Causes serious eye damage.
H330:	Fatal if inhaled.
H400:	Very toxic to aquatic life.
H410:	Very toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.:	Acute toxicity
Aquatic Acute:	Short-term (acute) aquatic hazard
Aquatic Chronic:	Long-term (chronic) aquatic hazard
Eye Dam.:	Serious eye damage
Skin Corr.:	Skin corrosion
Skin Irrit.:	Skin irritation
Skin Sens.:	Skin sensitisation
ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS:	Chemical Abstracts Service
DNEL:	Derived no-effect level
EC50:	Half maximal effective concentration
GHS:	Globally Harmonized System
IATA:	International Air Transport Association
IMDG:	International Maritime Code for Dangerous Goods
LD50:	Median lethal dosis (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)
LC50:	Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)
MARPOL:	International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978

SECTION 16: OTHER INFORMATION (continue)	
OEL:	Occupational Exposure Limit
PBT:	Persistent, bioaccumulative and toxic
PNEC:	Predicted no effect concentration
REACH:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Reg-istration, Evaluation, Authorisation and Restriction of Chemi-cals (REACH), establishing a European Chemicals Agency
SVHC:	Substances of Very High Concern
vPvB:	Very persistent and very bioaccumulative