

SAFETY DATA SHEET

Premierbond TC25 Plus

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

1.1. Product identifier

Product name Premierbond TC25 Plus

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

Identified uses Contact Adhesive

1.3. Details of the supplier of the safety data sheet

Supplier Creffields (Timber & Boards) Ltd
Unit 6, Marcus Close
Tilehurst
Reading
Berkshire
RG30 4EA
Tel: 01189 453533
Fax: 01189 453633

1.4. Emergency telephone number

Emergency telephone Creffields (Timber & Boards) Ltd ++44 (0) 1189 453 533 (Mon-Fri 09:00- 17:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Aerosol 1 - H222, H229

Health hazards Carc. 2 - H351

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) Carc. Cat. 3;R40. F+;R12.

Human health Extensive use of the product in areas with inadequate ventilation may result in the accumulation of hazardous vapour concentrations. May cause discomfort. Symptoms following overexposure may include the following: Headache. Dizziness. Nausea, vomiting. Irritation of nose, throat and airway. Limited evidence of a carcinogenic effect.

Environmental The product is not expected to be hazardous to the environment.

Physicochemical In use may form flammable/explosive vapour-air mixture Pressurised container: Must not be exposed to temperatures above 50C.

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements
H222 Extremely flammable aerosol.
H229 Pressurised container: may burst if heated
H351 Suspected of causing cancer.

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Precautionary statements	P202 Do not handle until all safety precautions have been read and understood.
	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P211 Do not spray on an open flame or other ignition source.
	P251 Do not pierce or burn, even after use.
	P260 Do not breathe vapour/spray.
	P281 Use personal protective equipment as required.
	P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501 Dispose of contents/container in accordance with national regulations.	

Contains DICHLOROMETHANE

Supplementary precautionary statements P308+P313 IF exposed or concerned: Get medical advice/attention.
P405 Store locked up.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

DIMETHYL ETHER	30-60%
CAS number: 115-10-6	EC number: 204-065-8

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Gas 1 - H220	F+;R12
Press. Gas, Liquefied - H280	

DICHLOROMETHANE	30-60%	
CAS number: 75-09-2	EC number: 200-838-9	REACH registration number: 01-2119480404-41

Classification	Classification (67/548/EEC or 1999/45/EC)
Carc. 2 - H351	Carc. Cat. 3;R40

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Move affected person to fresh air at once.
Inhalation	Move affected person to fresh air at once. If throat irritation or coughing persists, proceed as follows. Get medical attention. Show this Safety Data Sheet to the medical personnel.
Ingestion	Rinse mouth thoroughly with water. DO NOT induce vomiting. Get medical attention immediately.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

General information	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
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Inhalation	Coughing, chest tightness, feeling of chest pressure. Sore throat. Vapours in high concentrations are anaesthetic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Central nervous system depression.
Ingestion	There may be soreness and redness of the mouth and throat.
Skin contact	Prolonged contact may cause redness, irritation and dry skin.
Eye contact	Irritation of eyes and mucous membranes.

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

Notes for the doctor The following symptoms may occur : Headache, Dizziness, Nausea, Unconsciousness.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water spray, fog or mist. Foam. Carbon dioxide (CO₂).

5.2. Special hazards arising from the substance or mixture

Specific hazards Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m³. Containers can burst violently when heated, due to excess pressure build-up. Forms explosive mixtures with air. Extremely flammable. May explode when heated or when exposed to flames or sparks. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.

Hazardous combustion products Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting Use water to keep fire exposed containers cool and disperse vapours. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Water spray may be used to flush spills away from exposures and dilute spills to non-flammable mixtures.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes. Do not breathe vapour. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation.

6.2. Environmental precautions

Environmental precautions Contain the spillage using bunding. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

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7.1. Precautions for safe handling

Usage precautions Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. Do not use in confined spaces without adequate ventilation and/or respirator. Wear appropriate personal protective equipment (see Section 8) Do not eat, drink or smoke when using the product. Provide adequate ventilation. Do not inhale vapours or spray mists.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from oxidising materials, heat and flames. Store at moderate temperatures in dry, well ventilated area. Pressurised container: Must not be exposed to temperatures above 50°C.

Storage class Flammable compressed gas storage.

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

Occupational exposure limits

DIMETHYL ETHER

Long-term exposure limit (8-hour TWA): WEL 400 ppm 766 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 958 mg/m³

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Long-term exposure limit (8-hour TWA): WEL 100 ppm(Sk) 350 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 300 ppm(Sk) 1060 mg/m³(Sk)

WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation.

Personal protection

Wear protective work clothing.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

Other skin and body protection

Provide eyewash station. Wear suitable gloves if prolonged or repeated skin contact is likely
Wear chemical protective suit.

Hygiene measures

Ensure suitable ventilation of area. Ensure lighting and electrical equipment are not a source of ignition. Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke.

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Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn. In confined or poorly-ventilated spaces, a supplied-air respirator must be worn.
Thermal hazards	Not applicable
Environmental exposure controls	Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Aerosol container containing a mixture of active ingredients, solvents and propellants
Colour	Amber.
Odour	Chlorinated hydrocarbons.
Odour threshold	100 ppm For dichloromethane
Initial boiling point and range	40°C @ Boiling point of dichloromethane.
Flash point	<-40Deg.C°C
Evaporation rate	27.5 For dichloromethane (n Butyl Acetate =1)
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 1.8% Upper flammable/explosive limit: 9.5%
Relative density	~1.13 @ 20°C
Solubility(ies)	Insoluble in water.
Partition coefficient	log Pow: 1.25 Dichloromethane
Comments	A flash point method is not available for aerosols but the major hazardous component, the Propellant has a flash point of <-40 C with flammability limits of 9.5% vol. upper and 1.8% vol. lower.

9.2. Other information

Other information	Not known.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Highly volatile
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No known hazardous reactions if stored under normal conditions. Will not polymerise.
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition.
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10.5. Incompatible materials

Materials to avoid

10.6. Hazardous decomposition products

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Hazardous decomposition products Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

General information Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Contains organic solvents

Inhalation Vapours may irritate throat/respiratory system. Symptoms following overexposure may include the following: Headache. Dizziness. Drowsiness. High exposures may cause an abnormal heart rhythm and prove suddenly fatal. Very high atmospheric concentrations may cause anaesthetic effects and asphyxiation. There may be irritation of the throat with a feeling of tightness in the chest.

Ingestion Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. Harmful: may cause lung damage if swallowed. May cause nausea, headache, dizziness and intoxication.

Skin contact Contains a substance that maybe harmful through skin absorption.

Eye contact Irritating to eyes.

Acute and chronic health hazards Gas or vapour is harmful on prolonged exposure or in high concentrations. Narcotic effect. Vapour Concentrations above the recommended exposure level are irritating to the eyes and respiratory tract, may cause headaches and dizziness are anaesthetic and may have central nervous system effects. Concentrating and inhaling the gas/spray can lead to abnormal heart rhythms and possibly death. Limited evidence of carcinogenic effect. Frequent inhalation of vapours may cause respiratory allergy. Defatting, drying and cracking of the skin.

Route of entry Inhalation Skin absorption

Target organs Central nervous system Respiratory system, lungs Liver

Medical symptoms Narcotic effect. Drowsiness. Dizziness.

Toxicological information on ingredients.

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Acute toxicity - inhalation

Acute toxicity inhalation 88
(LC₅₀ vapours mg/l)

General information Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Inhalation Harmful by inhalation. Vapours have a narcotic effect. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting.

Ingestion May cause soreness and redness of mouth and throat. Ingestion may cause similar symptoms to that of inhalation.

Skin contact Prolonged contact may cause redness, irritation and dry skin. Absorption of organic solvents through the skin can cause the same effects as inhalation Contains a substance that maybe harmful through skin absorption. Harmful in contact with skin.

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Eye contact	There maybe irritation and redness. Eyes may water profusely
Acute and chronic health hazards	Limited evidence of carcinogenic effect. Harmful through skin absorption (percutaneous) Harmful
Route of entry	Inhalation Skin absorption Ingestion.
Target organs	Blood Central nervous system Liver Kidneys Skin Respiratory system, lungs
Medical symptoms	Narcotic effect. Drowsiness. Dizziness.

SECTION 12: Ecological Information

Ecotoxicity The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

Ecological information on ingredients.

DICHLOROMETHANE

Ecotoxicity The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity

Toxicity Not regarded as dangerous for the environment Not considered toxic to fish.

Ecological information on ingredients.

DICHLOROMETHANE

Toxicity Not regarded as dangerous for the environment

12.2. Persistence and degradability

Ecological information on ingredients.

DICHLOROMETHANE

Persistence and degradability Biodegradable

12.3. Bioaccumulative potential

Bioaccumulative potential Dichloromethane has low bioaccumulative potential

Partition coefficient log Pow: 1.25 Dichloromethane

Ecological information on ingredients.

DICHLOROMETHANE

Bioaccumulative potential The product contains potentially bioaccumulating substances.

Partition coefficient log Pow: 1.25

12.4. Mobility in soil

Mobility The product is volatile, insoluble with water and is heavier than water.

Ecological information on ingredients.

DICHLOROMETHANE

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Mobility The product is volatile, insoluble with water and is heavier than water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment Not determined

Ecological information on ingredients.

DICHLOROMETHANE

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

Ecological information on ingredients.

DICHLOROMETHANE

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Ensure containers are empty before discarding (explosion risk). Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods When completely empty container should be pierced at ring pull. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Waste class Full or Partially Empty Canister: 16 05 04 Empty Canister: 15 01 10 (Containing hazardous residue) Empty Canister: 15 01 04 (No hazardous residues)

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 3501

UN No. (IMDG) 3501

UN No. (ICAO) 3501

14.2. UN proper shipping name

Proper shipping name (ADR/RID) CHEMICAL UNDER PRESSURES, FLAMMABLE N.O.S. (DIMETHYL ETHER, DICHLOROMETHANE)

Proper shipping name (IMDG) CHEMICAL UNDER PRESSURES, FLAMMABLE N.O.S. (DIMETHYL ETHER, DICHLOROMETHANE)

Proper shipping name (ICAO) CHEMICAL UNDER PRESSURES, FLAMMABLE N.O.S. (DIMETHYL ETHER, DICHLOROMETHANE)

Proper shipping name (ADN) CHEMICAL UNDER PRESSURES, FLAMMABLE N.O.S. (DIMETHYL ETHER, DICHLOROMETHANE)

14.3. Transport hazard class(es)

ADR/RID class 2, 8F

ADR/RID label 2.1

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IMDG class 2.1

ICAO class/division 2.1

Transport labels



14.4. Packing group

ADR/RID packing group #

IMDG packing group #

ICAO packing group #

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-D, S-U

Tunnel restriction code (B/D)

14.7. Transport in bulk according to Annex II of MARPOL73/78 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

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
 The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
 The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).
 The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
 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, including amendments.
 Control of Substances Hazardous to Health Regulations 2002 (as amended).

EU legislation

Dangerous Preparations Directive 1999/45/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) (as amended).
 Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance

ECHA: Guidance on the Compilation of safety data sheets. (V1.1, December 2011)

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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

General information	.
Issued by	Technical Service Manager
Revision date	27/08/2014
Revision	1
SDS number	11919
Risk phrases in full	R12 Extremely flammable. R40 Limited evidence of a carcinogenic effect.
Hazard statements in full	H220 Extremely flammable gas. H222 Extremely flammable aerosol. H229 Pressurised container: may burst if heated H280 Contains gas under pressure; may explode if heated. H351 Suspected of causing cancer.

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.