

SAFETY DATA SHEET

Trade Grade Stab Super Bond Adhesive 500ml

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name Trade Grade Stab Super Bond Adhesive 500ml
Product No. SA1081, SA1164, SA1281, SA1282

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

Identified uses Adhesive

1.3. Details of the supplier of the safety data sheet

Supplier Trade Grade Products Ltd
10 Victory Close
Woolsbridge Industrial Estate
Three Legged Cross
Wimbourne
Dorset BH21 6SX
Tel: 01202 820 177
Fax: 01202 814 011
www.thegluepeople.co.uk

1.4. Emergency telephone number

National Emergency Telephone Number
Trade Grade Products Ltd +44 (0) 1202 820 177 (Mon-Fri 09:00 - 17:00)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Flam. Aerosol 1 - H222
Human health	Carc. 2 - H351
Environment	Not classified.

Classification (1999/45/EEC)

Carc. Cat. 3;R40. F+;R12.

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

Human health

Limited evidence of a carcinogenic effect. In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death.

Environment

Not regarded as an environmental hazard under current legislation.

Physical and Chemical Hazards

Aerosol containers can explode when heated, due to excessive pressure build-up. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

2.2. Label elements

Contains DICHLOROMETHANE

Label In Accordance With (EC) No. 1272/2008



Signal Word

Danger

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Hazard Statements

H222 Extremely flammable aerosol.
H351 Suspected of causing cancer.

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P281 Use personal protective equipment as required.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P308+313 IF exposed or concerned: Get medical advice/attention.
P314 Get medical advice/attention if you feel unwell.
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P410+412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
P501 Dispose of contents/container in accordance with national regulations.

2.3. Other hazards

H229 Pressurised container: May burst if heated.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

DICHLOROMETHANE	30-60%
CAS-No.: 75-09-2	EC No.: 200-838-9
Registration Number: 01-2119480404-41	
Classification (EC 1272/2008) Carc. 2 - H351	Classification (67/548/EEC) Carc. Cat. 3;R40
PROPANE	10-30%
CAS-No.: 74-98-6	EC No.: 200-827-9
Registration Number: 01-2119486944-21	
Classification (EC 1272/2008) Flam. Gas 1 - H220	Classification (67/548/EEC) F+;R12
BUTANE/ISOBUTANE	10-30%
CAS-No.: 106-97-8	EC No.: 203-448-7
Registration Number: 01-2119474691-32	
Classification (EC 1272/2008) Flam. Gas 1 - H220	Classification (67/548/EEC) F+;R12.
HEXANE MIXTURE OF ISOMERS (MAX 5% n-HEXANE (203-777-6))	1-5%
CAS-No.: -	EC No.: -

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Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Liq. 2 - H225	F;R11
Skin Irrit. 2 - H315	Xn;R65
STOT SE 3 - H336	Xi;R38
Asp. Tox. 1 - H304	R67
Aquatic Chronic 2 - H411	N;R51/53

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 the exposed person to fresh air at once.

Inhalation

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion

Rinse mouth thoroughly. DO NOT induce vomiting. Get medical attention immediately.

Skin contact

Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above.

Eye contact

Promptly wash eyes with plenty of water while lifting the eye lids. 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.

Inhalation

Prolonged inhalation of high concentrations may damage respiratory system. In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death.

Ingestion

Fumes from the stomach contents may be inhaled resulting in the same symptoms as inhalation.

Skin contact

Acts as a defatting agent on skin. 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

Show this safety data sheet to the doctor in attendance.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

Unusual Fire & Explosion Hazards

Forms explosive mixtures with air. Extremely flammable. May explode in a fire. May travel considerable distance to source of ignition and flash back.

Specific hazards

Aerosol containers can explode when heated, due to excessive pressure build-up.

5.3. Advice for firefighters

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Special Fire Fighting Procedures

Water spray may be used to flush spills away from exposures and dilute spills to non-flammable mixtures. Use water spray to reduce vapours. 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.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet. Do not smoke, use open fire or other sources of ignition. Do not breathe vapour. Avoid inhalation of vapours and contact with skin and eyes.

6.2. Environmental precautions

Collect and dispose of spillage as indicated in section 13. Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Provide ventilation and confine spill. Do not allow runoff to sewer. Absorb in vermiculite, dry sand or earth and place into containers. Use sealed containers for reclamation or dispose of at a licenced hazardous waste collection point. Avoid contact with water.

6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Wear appropriate personal protective equipment (see Section 8) Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. Provide good ventilation. Do not eat, drink or smoke when using the product. Avoid inhalation of vapours/spray and contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Store at moderate temperatures in dry, well ventilated area.

Storage Class

Extremely Flammable Aerosol

7.3. 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

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
BUTANE/ISOBUTANE	WEL	600 ppm		750 ppm		
DICHLOROMETHANE	WEL	100 ppm(Sk)	350 mg/m3(Sk)	300 ppm(Sk)	1060 mg/m3(Sk)	
PROPANE	WEL	1000 ppm	1800 mg/m3			

WEL = Workplace Exposure Limit.

8.2. Exposure controls

Protective equipment

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Process conditions

Ensure suitable ventilation of area. Use engineering controls to reduce air contamination to permissible exposure level.

Engineering measures

Provide adequate ventilation.

Respiratory equipment

Respiration equipment only required if ventilation is inadequate. If exposure limits are likely to be exceeded, use a full face mask fitted with an organic filter for short term exposures. For long term or high level exposures, or when spraying, compressed airline breathing apparatus should be used.

Hand protection

Protective gloves should be used if there is a risk of direct contact or splash. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. (Sk) noted above means can be absorbed through skin.

Eye protection

Wear splash-proof eye goggles to prevent any possibility of eye contact.

Other Protection

Provide eyewash station.

Hygiene measures

Eating, smoking and water fountains prohibited in immediate work area. Wash promptly if skin becomes contaminated.

Personal protection

Wear protective work clothing.

Skin protection

Wear suitable gloves if prolonged or repeated skin contact is likely

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	Characteristic. Chlorinated hydrocarbons.
Solubility	Insoluble in water
Initial boiling point and boiling range (°C)	40 Deg.C @ 760 mm Hg Boiling point of dichloromethane.
Relative density	~1.18 @ 20 Deg.C Density of adhesive liquid.
Evaporation rate	27.5 For dichloromethane (n Butyl Acetate =1)
Viscosity	~150 mPas @ 20 Deg.C Viscosity of liquid base.
Odour Threshold, Lower	100ppm For dichloromethane
Odour Threshold, Upper	280ppm For dichloromethane
Partition Coefficient (N-Octanol/Water) Dichloromethane	log Pow 1.25
Comments	A flash point method is not available for aerosols but the major hazardous component, the Propellant has flash point of <-40 C with flammability limits of 9.5% vol. upper and 1.8% vol. lower. Auto ignition temperature is 410/580 C.

9.2. Other information

Not available.

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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Highly volatile

10.3. Possibility of hazardous reactions

No known hazardous reactions if stored under normal conditions.

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials To Avoid

Aluminium

10.6. Hazardous decomposition products

In combustion emits toxic fumes

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.

Inhalation

Vapours may irritate throat and respiratory system and cause headache, dizziness and dullness. High exposures may cause an abnormal heart rhythm and prove suddenly fatal. Very high atmospheric concentrations may cause anaesthetic effects and asphyxiation.

Ingestion

Ingestion may cause similar symptoms to that of inhalation.

Skin contact

Contains components which may penetrate the skin. Harmful: danger of serious damage to health by prolonged exposure in contact with skin.

Eye contact

Extreme irritation of eyes and mucous membranes, including burning and tearing.

Health Warnings

Concentrating and inhaling the gas/spray can lead to abnormal heart rhythms and possibly death. Prolonged inhalation of high concentrations may damage respiratory system. Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

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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DICHLOROMETHANE (CAS: 75-09-2)

Toxic Dose 1 - LD 50
4770 mg/kg (oral-mouse)
Toxic Dose 2 - LD 50
5350 mg/kg (oral rat)

Acute toxicity:

Acute Toxicity (Inhalation LC50)
88 mg/l (vapours) Rat 4 hours

Aspiration hazard:

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 and may cause headache, fatigue, dizziness and nausea.

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 may be harmful through skin absorption. Harmful in contact with skin.

Eye contact

There may be irritation and redness. Eyes may water profusely

Health Warnings

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

Narcotic effect. Drowsiness. Dizziness.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

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

Ecological information on ingredients.

DICHLOROMETHANE (CAS: 75-09-2)

Ecotoxicity

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity

Not regarded as dangerous for the environment

Ecological information on ingredients.

DICHLOROMETHANE (CAS: 75-09-2)

Not regarded as dangerous for the environment

12.2. Persistence and degradability

No data available.

Degradability

The degradability of the product has not been stated.

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Ecological information on ingredients.

PROPANE (CAS: 74-98-6)

Expected to be readily biodegradable. Oxidises rapidly by photo-chemical reactions in air.

DICHLOROMETHANE (CAS: 75-09-2)

Biodegradable

12.3. Bioaccumulative potential

Bioaccumulative potential

Dichloromethane has low bioaccumulative potential

Partition coefficient

log Pow 1.25

Dichloromethane

Ecological information on ingredients.

DICHLOROMETHANE (CAS: 75-09-2)

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 (CAS: 75-09-2)

Mobility:

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

12.5. Results of PBT and vPvB assessment

Not determined

Ecological information on ingredients.

PROPANE (CAS: 74-98-6)

Not Classified as PBT/vPvB by current EU criteria.

DICHLOROMETHANE (CAS: 75-09-2)

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

None known.

Ecological information on ingredients.

DICHLOROMETHANE (CAS: 75-09-2)

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Do not puncture or incinerate even when empty. Ensure containers are empty before discarding (explosion risk). Dispose of waste and residues in accordance with local authority requirements.

13.1. Waste treatment methods

Ensure container is empty and dispose of in accordance with Local Authority regulations. Do not pierce or incinerate even when container is empty.

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Waste Class

Full or Partially Empty Aerosol: 16 05 04, Empty Aerosol: 15 01 10 (Containing hazardous residues). Empty Aerosol: 15 01 04 (No hazardous residues).

SECTION 14: TRANSPORT INFORMATION

General This product is packed in accordance with the Limited quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow the transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing they are labelled in accordance with the requirements of those regulations to show that they are transported as Limited Quantities. Aerosols not so packed must show the following.

14.1. UN number

UN No. (ADR/RID/ADN) 1950

14.2. UN proper shipping name

Proper Shipping Name AEROSOLS

14.3. Transport hazard class(es)

ADR/RID/ADN Class 2., 5F
ADR/RID/ADN Class Class 2.1: Flammable gases.
ADR Label No. 2.1
IMDG Class 2.1
ICAO Class/Division 2.1
Transport Labels



14.4. Packing group

ADR/RID/ADN 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 (D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

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Uk Regulatory References

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

Statutory Instruments

Control of Substances Hazardous to Health.

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

EU Legislation

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. 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

National Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Health and Safety at Work Act (As Amended) 1974 The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 (CDG 2007). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). The Aerosol Dispensers Regulations 2009 (SI 2824) 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. The Aerosol Dispensers (EEC Requirements)(Amendment) Regulations 1996 (S.I 1996 No. 2421).

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Issued By	Technical Service Manager
Revision Date	30 July 2014
Revision	4
Supersedes date	10 July 2013
SDS No.	10331
Date	30 July 2014
Risk Phrases In Full	
R12	Extremely flammable.
R65	Harmful: may cause lung damage if swallowed.
R11	Highly flammable
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.
Hazard Statements In Full	
H315	Causes skin irritation.
H222	Extremely flammable aerosol.
H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H411	Toxic to aquatic life with long lasting effects.

Disclaimer

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 a 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.