SAFETY DATA SHEET
ABS Pipe Cement

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

1.1. Product identifier

Product name ABS Pipe Cement

Container size 250mls,125ml

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

Identified uses ABS Cement

1.3. Details of the supplier of the safety data sheet

Supplier

Trade Grade Products Limited
10 Victory Close
Woolsbridge Industrial Park
Three Legged Cross, Wimborne
Dorset, BH21 6SX

Tel: 01202 820177 (Mon-Fri 09:00 -17:00)
Fax: 01202 814011
E-mail:- sales@thegluepeople.co.uk

1.4. Emergency telephone number

National emergency telephone number UK +44 (0)1202 820177 (Monday - Friday 09:00 - 17:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Flam. Liq. 3 - H226

Health hazards Eye Irrit. 2 - H319 Elicitation - EUH208 STOT SE 3 - H336

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) Xi;R36. R10,R66,R67.

2.2. Label elements

Pictogram

Signal word Warning

Hazard statements

H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
EUH208 Contains EPOXY RESIN (Number average MW <= 700). May produce an allergic reaction.

ABS Pipe Cement

Precautionary statements P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P261 Avoid breathing vapours.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective clothing, gloves, eye and face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 Get medical advice/attention if you feel unwell.
P370+P378 In case of fire: Use dry powder, dry sand or dry earth to extinguish.
P501 Dispose of contents/container in accordance with national regulations.
P102 Keep out of reach of children.
P501 Dispose of contents/container in accordance with national regulations.

Contains BUTANONE

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

BUTANONE **60-100%**

CAS number: 78-93-3 EC number: 201-159-0 REACH registration number: 01-2119457290-43

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	F;R11 Xi;R36 R66 R67

CYCLOHEXANONE **5-10%**

CAS number: 108-94-1 EC number: 203-631-1

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 3 - H226 Acute Tox. 4 - H332	R10 Xn;R20

EPOXY RESIN (Number average MW <= 700) **<1%**

CAS number: 25068-38-6 EC number: 500-033-5

Classification	Classification (67/548/EEC or 1999/45/EC)
Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	R43 Xi;R36/38 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 Remove affected person from source of contamination.

Inhalation Move affected person to fresh air at once. Get medical attention.

ABS Pipe Cement

Ingestion Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.

Skin contact Remove from skin with paper or towel. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention. Show this Safety Data Sheet to the medical personnel.

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 There may be a feeling of tighness in the chest with shortness of breath. Exposure may cause coughing or wheezing.

Ingestion There may be soreness and redness of the mouth and throat. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation.

Skin contact There may be irritation and redness at the site of contact

Eye contact Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

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

Notes for the doctor Show this safety data sheet to the doctor in attendance.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water spray, dry powder or carbon dioxide.

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. Extremely flammable.

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

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 Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent escape of liquid. Mark contaminated areas with signs and prevent access to unauthorised personnel. Avoid inhalation of vapours and contact with skin and eyes. No smoking, sparks, flames or other sources of ignition near spillage.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

ABS Pipe Cement

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. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

6.4. Reference to other sections

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

Usage precautions Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Avoid inhalation of vapours and spray/mists. Avoid spilling. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a well-ventilated place. Keep away from heat, sparks and open flame. Take precautionary measures against static discharges.

Storage class Flammable liquid 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

BUTANONE

Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 600 mg/m3(Sk)
Short-term exposure limit (15-minute): WEL 300 ppm(Sk) 899 mg/m3(Sk)

CYCLOHEXANONE

Long-term exposure limit (8-hour TWA): WEL 10 ppm(Sk)
Short-term exposure limit (15-minute): WEL 20 ppm(Sk)

WEL = Workplace Exposure Limit

BUTANONE (CAS: 78-93-3)

DNEL	Consumer - Oral; Long term systemic effects: 31 mg/kg/day Consumer - Dermal; Long term systemic effects: 412 mg/kg/day Consumer - Inhalation; Long term systemic effects: 106 mg/m³ Industry - Inhalation; Long term systemic effects: 600 mg/m³
PNEC	- Fresh water; Long term 55.8 mg/l - Marine water; Long term 55.8 mg/l - Intermittent release; Intermittent release 55.8 mg/l - STP; Long term 709 mg/l - Sediment; Long term 284.7 mg/kg - Soil; Long term 22.5 mg/kg

8.2. Exposure controls

ABS Pipe Cement

Protective equipment

Appropriate engineering controls	Provide adequate ventilation.
Personal protection	Wear protective work clothing.
Eye/face protection	Wear tight-fitting, chemical splash goggles or face shield.
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. (Sk) noted above means can be absorbed through skin.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact. Wear suitable gloves if prolonged or repeated skin contact is likely
Hygiene measures	Ensure suitable ventilation of area. Wash hands after handling. When using do not eat, drink or smoke. Do not smoke in work area.
Respiratory protection	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.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Colourless to pale yellow.
Odour	Ketonic.
Flash point	-21 Deg.C°C
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 1.2% Upper flammable/explosive limit: 11.8%
Relative density	0.92 @ °C
Solubility(ies)	Immiscible with water.
Auto-ignition temperature	212 Deg.C°C
Viscosity	12500 mPa s @ 20 Deg.C°C

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Stable under recommended transport or storage conditions.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

ABS Pipe Cement

Possibility of hazardous reactions	No known hazardous reactions if stored under normal conditions. Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid	Avoid heat.

10.5. Incompatible materials

Materials to avoid	Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

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

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	2,000
Species	Rat

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	2,000
Species	Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} vapours mg/l)	20
Species	Rat
ATE inhalation (gases ppm)	30,927.84
ATE inhalation (vapours mg/l)	20
ATE inhalation (dusts/mists mg/l)	10.31

General information	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
Inhalation	Vapours may irritate throat/respiratory system. Symptoms following overexposure may include the following: Headache. Dizziness. Drowsiness. There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
Ingestion	May cause soreness and redness of mouth and throat. Ingestion may cause similar symptoms to that of inhalation.
Skin contact	No specific data. Prolonged and repeated contact may cause slight irritation.
Eye contact	Irritating to eyes.
Acute and chronic health hazards	Irritating to eyes.
Route of entry	Inhalation Ingestion.

ABS Pipe Cement

Target organs Central nervous system Eyes

Medical symptoms Irritation of eyes and mucous membranes. Narcotic effect. Drowsiness. Dizziness.

SECTION 12: Ecological Information

12.1. Toxicity

Toxicity Not regarded as dangerous for the environment

Acute toxicity - fish LC50, >: > 100 mg/l,

Acute toxicity - aquatic plants IC_{50}, 72 hours: >100 mg/l, Algae

12.2. Persistence and degradability

Persistence and degradability Biodegradable in part only.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance is not identified as a PBT substance.

12.6. Other adverse effects

Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods Avoid the spillage or runoff entering drains, sewers or watercourses. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Waste class Solvent Based Adhesives: 080409

SECTION 14: Transport information

Sea transport notes Suitable UN approved container necessary

Air transport notes Suitable UN approved container necessary

14.1. UN number

UN No. (ADR/RID) 1133

UN No. (IMDG) 1133

UN No. (ICAO) 1133

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ADHESIVES

ABS Pipe Cement

Proper shipping name (IMDG)	ADHESIVES
Proper shipping name (ICAO)	ADHESIVES
Proper shipping name (ADN)	ADHESIVES

14.3. Transport hazard class(es)

ADR/RID class	3
IMDG class	3
ICAO class/division	3

Transport labels

14.4. Packing group

ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	F-E,S-D
Tunnel restriction code	(D/E)

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). 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	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). 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).

15.2. Chemical safety assessment

ABS Pipe Cement

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by	Quality Control Technician
Revision date	18/05/2015
Revision	2
Supersedes date	05/03/2015
SDS number	12086
Risk phrases in full	R10 Flammable. R11 Highly flammable. R20 Harmful by inhalation. R36 Irritating to eyes. R66 Repeated exposure may cause skin dryness or cracking. R67 Vapours may cause drowsiness and dizziness.
Hazard statements in full	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects. EUH208 Contains EPOXY RESIN (Number average MW <= 700). May produce an allergic reaction.