

BOSTIK 3206E ADHESIVE
 Supersedes Date: 07-Jun-2016

Revision Date 29-Jun-2016
Version 1.01

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1. Product Identifier

Product Name BOSTIK 3206E ADHESIVE
Pure substance/mixture Mixture

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

Recommended use Adhesives.
Uses advised against Consumer use

1.3. Details of the supplier of the safety data sheet
Company Name

Bostik Limited
 Common Rd
 ST16 3EH
 Stafford UK
 Tel: +44 (1785) 27 26 25
 Fax: +44 (1785) 25 72 36

E-mail address SDS.box-EU@bostik.com

1.4. Emergency telephone number

United Kingdom	+44 (1785) 272650
Ireland	+353 (1) 8624900 (Monday- Friday 9am-5pm)

Section 2: HAZARD IDENTIFICATION
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Corrosion/Irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Reproductive toxicity	Category 2 - (H361)
Specific target organ toxicity (single exposure)	Category 3 - (H336)
Specific target organ toxicity (repeated exposure)	Category 2 - (H373)
Flammable Liquids	Category 2 - (H225)

Unknown acute toxicity 2 % of the mixture consists of ingredient(s) of unknown toxicity
 Unknown aquatic toxicity 2% of the mixture consists of components(s) of unknown hazards to the aquatic environment

2.2. Label Elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains Toluene, Methyl ethyl ketone

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Signal Word
DANGER

Hazard statements

H315 - Causes skin irritation
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H373 - May cause damage to organs through prolonged or repeated exposure
H361d - Suspected of damaging the unborn child
H225 - Highly flammable liquid and vapour
EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary Statements - EU (§28, 1272/2008)

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear protective gloves and eye/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
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P501 - Dispose of contents/containers in accordance with local regulations

2.3. Other Hazards

General Hazards

In use may form flammable/explosive vapour-air mixture.

PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

This product is a mixture. Health hazard information is based on its components.

3.2 Mixtures

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Methyl ethyl ketone	201-159-0	78-93-3	>25 - <40	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066)	01-2119457290-43-XXXX
Acetone	200-662-2	67-64-1	>25 - <40	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066)	01-2119471330-49-XXXX
Toluene	203-625-9	108-88-3	10 - <20	Skin Irrit. 2 (H315) Repr. 2 (H361d) STOT SE 3 (H336) STOT RE 2 (H373) Asp. Tox. 1 (H304) Flam. Liq. 2 (H225)	01-2119471310-51-XXXX

Full text of H- and EUH-phrases: see section 16

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Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL.

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General Advice	If medical advice is needed, have product container or label at hand.
Inhalation	Remove to fresh air.
Skin Contact	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
Eye contact	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses, if present and easy to do. Continue rinsing. Call a doctor immediately.
Ingestion	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
Self-protection of the first aider	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

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

Symptoms None known.

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

Note to doctors Treat symptomatically.

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media
Use CO2, dry chemical, or foam.

Unsuitable Extinguishing Media
Use water spray or fog; do not use straight streams

5.2. Special hazards arising from the substance or mixture

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

5.3. Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions
Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas.

Water spray may reduce vapour; but may not prevent ignition in closed spaces.

For emergency responders

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2. Environmental precautions

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Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

6.3. Methods and material for containment and cleaning up

Methods for Containment Dyke far ahead of spill; use dry sand to contain the flow of material. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

Methods for cleaning up Use clean non-sparking tools to collect absorbed material. Dyke far ahead of liquid spill for later disposal.

6.4. Reference to other sections

Reference to other sections See Section 12: ECOLOGICAL INFORMATION
Section 7: HANDLING AND STORAGE
Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Take precautionary measures against static charges. Use explosion-proof electrical/ventilating/lighting /equipment.

General Hygiene Considerations

Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep only in the original container/package in a cool well-ventilated place.

7.3. Specific end use(s)

Other Information

Recommendation(s); Observe technical data sheet

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Chemical Name	European Union	Ireland	United Kingdom
Methyl ethyl ketone 78-93-3	TWA: 200 ppm TWA: 600 mg/m ³ STEL: 300 ppm STEL: 900 mg/m ³	TWA: 200 ppm TWA: 600 mg/m ³ STEL: 300 ppm STEL: 900 mg/m ³ Skin	STEL: 300 ppm STEL: 899 mg/m ³ TWA: 200 ppm TWA: 600 mg/m ³ Skin
Acetone 67-64-1	TWA: 500 ppm TWA: 1210 mg/m ³	TWA: 500 ppm TWA: 1210 mg/m ³ STEL: 1500 ppm STEL: 3630 mg/m ³	STEL: 1500 ppm STEL: 3620 mg/m ³ TWA: 500 ppm TWA: 1210 mg/m ³
Toluene 108-88-3	TWA: 50 ppm TWA: 192 mg/m ³ STEL: 100ppm STEL: 384mg/m ³ S*	TWA: 50 ppm TWA: 192 mg/m ³ STEL: 384 mg/m ³ STEL: 100 ppm Skin	STEL: 100 ppm STEL: 384 mg/m ³ TWA: 50 ppm TWA: 191 mg/m ³ Skin

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

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Engineering Controls	Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment	
Eye/Face Protection	Tight sealing safety goggles. Face protection shield.
Hand Protection	Gloves must conform to standard EN 374. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves should be replaced regularly and if there is any sign of damage to the glove material.
Skin and Body Protection	Antistatic footwear. Wear fire/flamm resistant/retardant clothing. Suitable protective clothing. Apron.
Respiratory Protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Environmental Exposure Controls	Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State	Liquid	
Appearance	Liquid	
Colour	Colourless	
Odour	Solvent	
Odour Threshold	No information available	
Property	Values	Remarks • Method
pH	No information available	
Melting point/freezing point	No information available	
Boiling Point	56 °C / 132.8 °F	
Flash Point	-20 °C / -4 °F	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	Not applicable for liquids
Flammability Limit in Air		
Upper Flammability Limit	No information available	
Lower Flammability Limit	No information available	
Vapour Pressure	No information available	
Vapour Density	No information available	
Specific Gravity	No information available	
Water Solubility	Insoluble in water	
Solubility in Other Solvents		
Partition Coefficient	No information available	
Autoignition Temperature	No information available	
Decomposition Temperature	No information available	
Explosive Properties	No information available	
Explosive Limits	No information available	
Upper	No information available	
Lower	No information available	
Oxidising Properties	No information available	
Kinematic Viscosity	> 500 mm ² /s	@ 40°C
Dynamic Viscosity	approx 3000 mPa s	@ 25 °C

9.2. Other information

Softening Point	No information available
Molecular Weight	No information available
Solvent content (%)	No information available
Solid content (%)	approx 22
Density	0.9
Bulk Density	No Data Available
VOC content (%)	

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

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Stable under recommended storage conditions.

10.2. Chemical stability

Stable under recommended storage conditions.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge May be ignited by friction, heat, sparks or flames.

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions

None under normal processing.

10.4. Conditions to avoid

Keep away from heat, sparks and flames.

10.5. Incompatible materials

Strong acids and bases.

10.6. Hazardous decomposition products

Carbon oxides.

Section 11: TOXICOLOGY INFORMATION

11.1. Information on toxicological effects

Product Information

No information or data specific to the product on this toxicological (health) effect is available.

Inhalation	No Data Available.
Eye contact	No Data Available.
Skin Contact	No Data Available.
Ingestion	No Data Available.
Sensitisation	No Data Available.

Component Information

Toxicity Data

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl ethyl ketone	= 2483 mg/kg (Rat) = 2737 mg/kg (Rat)	= 5000 mg/kg (Rabbit) = 6480 mg/kg (Rabbit)	= 11700 ppm (Rat) 4 h
Acetone	= 5800 mg/kg (Rat)	>15800 mg/Kg (rat)	= 50100 mg/m ³ (Rat) 8 h
Toluene	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	= 30 mg/L (Rat) 4 h

Skin Corrosion/Irritation Not applicable.

Serious eye damage/eye irritation Not applicable.

Sensitisation Not applicable.

Germ Cell Mutagenicity Not applicable.

Carcinogenicity Not applicable.

Reproductive Toxicity Product is or contains a chemical which is a known or suspected reproductive hazard.

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STOT - Single Exposure	No information available.
STOT - Repeated Exposure	No information available.
Target Organ Effects	Central nervous system, Eyes, Kidney, Liver, Respiratory system, Skin.
Aspiration Hazard	No information available.
Unknown acute toxicity	2 % of the mixture consists of ingredient(s) of unknown toxicity

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity No information available

Component Information

Data obtained on the component(s) include

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Methyl ethyl ketone	EC50=1972 mg/l (Pseudokirchneriella subcapitata)	LC50 96 h 3130 - 3320 mg/L (Pimephales promelas flow-through)	EC50 48 h > 308 mg/L (Daphnia magna)
Acetone	-	LC50 96 h 4.74 - 6.33 mL/L (Oncorhynchus mykiss)	EC50 48 h 10294 - 17704 mg/L (Daphnia magna Static)
Toluene	EC50 72 h = 12.5 mg/L (Pseudokirchneriella subcapitata) EC50 96 h > 433 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h 5.89 - 7.81 mg/L (Oncorhynchus mykiss flow-through) LC50 96 h = 5.8 mg/L (Oncorhynchus mykiss semi-static) LC50 96 h = 12.6 mg/L (Pimephales promelas static) LC50 96 h 11.0 - 15.0 mg/L (Lepomis macrochirus static) LC50 96 h = 54 mg/L (Oryzias latipes static) LC50 96 h 15.22 - 19.05 mg/L (Pimephales promelas flow-through) LC50 96 h 50.87 - 70.34 mg/L (Poecilia reticulata static) LC50 96 h 14.1 - 17.16 mg/L (Oncorhynchus mykiss static) LC50 96 h = 28.2 mg/L (Poecilia reticulata semi-static)	EC50 48 h 5.46 - 9.83 mg/L (Daphnia magna Static) EC50 48 h = 11.5 mg/L (Daphnia magna)

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

Partition coefficient No information available

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other Adverse Effects

No information available

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Endocrine Disruptor Information

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues/Unused Products	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Improper disposal or reuse of this container may be dangerous and illegal.
European Waste Catalogue	08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
Other Information	Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORTATION INFORMATION

ADR

14.1 UN/ID no	UN1133
14.2 Proper Shipping Name	Adhesives
14.3 Hazard Class	3
Hazard Labels	3
14.4 Packing Group	III
Description	UN1133, Adhesives, 3, III
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	640E
Classification Code	F1
Tunnel restriction code	D/E
Limited Quantity (LQ)	5 L
ADR Hazard Id (Kemmler Number)	30

IMDG

14.1 UN/ID no	UN1133
14.2 Proper Shipping Name	Adhesives
14.3 Hazard Class	3
14.4 Packing Group	III
Description	UN1133, Adhesives, 3, III, (-20°C c.c.)
14.5 Marine Pollutant	Not applicable
14.6 Special Provisions	223, 955
Limited Quantity (LQ)	5 L
EmS-No	F-E, S-D
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

RID

14.1 UN/ID no	UN1133
14.2 Proper Shipping Name	Adhesives
14.3 Hazard Class	3
14.4 Packing Group	III
Description	UN1133, Adhesives, 3, III
14.5 Environmental Hazard	Not applicable
Classification Code	F1
14.6 Special Provisions	None
Limited Quantity (LQ)	5 L

ICAO (air)

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14.1 UN/ID no UN1133
14.2 Proper Shipping Name Adhesives
14.3 Hazard Class 3
14.4 Packing Group III
Description UN1133, Adhesives, 3, III
14.5 Environmental Hazard Not applicable
14.6 Special Provisions A3

IATA

14.1 UN/ID no UN1133
14.2 Proper Shipping Name Adhesives
14.3 Hazard Class 3
14.4 Packing Group III
Description UN1133, Adhesives, 3, III
14.5 Environmental Hazard Not applicable
14.6 Special Provisions A3
Limited Quantity (LQ) 10 L
ERG Code 3L

Section 15: REGULATORY INFORMATION

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical Name	CAS No	Restrictions on use
Toluene	108-88-3	48.

48 . Reserved for industrial and professional use. Adhesives or spray paint shall not be placed on the market containing above substance equal to or greater than 0.1% where supplied to the general public.

EU-REACH (1907/2006) - Annex XIV - List of substances subject to Authorization

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

15.2. Chemical safety assessment

No information available

Section 16: OTHER INFORMATION

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Full text of H-Statements referred to under sections 2 and 3

H315 - Causes skin irritation
H361d - Suspected of damaging the unborn child
H336 - May cause drowsiness or dizziness
H373 - May cause damage to organs through prolonged or repeated exposure if inhaled
H304 - May be fatal if swallowed and enters airways
H225 - Highly flammable liquid and vapour
H319 - Causes serious eye irritation
EUH066 - Repeated exposure may cause skin dryness or cracking

Legend

SVHC: Substances of Very High Concern for Authorisation: Substance(s) of Very High Concern
PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
STOT (RE): Specific target organ toxicity - Repeated exposure
STOT (SE): Specific target organ toxicity - Single exposure
EWC: European Waste Catalogue

Key literature references and sources for data

Classification and labeling data calculated from data received from raw material suppliers

Prepared By Product Safety & Regulatory Affairs

Revision Date 29-Jun-2016

Indication of changes

Revision Note SDS sections updated: 8, 9.

Training Advice Provide adequate information, instruction, and training for operator

Additional information No information available

This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

End of Safety Data Sheet