

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

1.1. Product identifier

Product name	S120 Advanced Board Sealer
Product code	S120

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

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC1] Adhesives, sealants; [PROC10] Roller application or brushing; [ERC4] Industrial use of processing aids in processes and products, not becoming part of articles;
Description	Industrial Mould & Tooling Board Sealer.

1.3. Details of the supplier of the safety data sheet

Company	Easy Composites Ltd
Address	Unit 39, Park Hall Business Village Longton, Stoke on Trent Staffordshire ST3 5XA United Kingdom
Telephone	44 (0) 1782 454499
Fax	44 (0) 1782 596868
Email	sales@easycomposites.co.uk

1.4. Emergency telephone number


Emergency telephone number	+44 (0) 1782 454499 (office hours only)
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 67/548/EEC	F; R11 Xn; R65 Xi; R38 N; R51/53 R67
Main hazards	Symbols: F: Highly flammable. Xn: Harmful. N: Dangerous for the environment. Highly flammable. Irritating to skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness.
2.1.2. Classification - EC 1272/2008	Flam. Liq. 2: H225; Asp. Tox. 1: H304; Skin Irrit. 2: H315; STOT SE 3: H336; Aquatic Chronic 2: H411;

2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Flam. Liq. 2: H225 - Highly flammable liquid and vapour.

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2.2. Label elements

Precautionary Statement: Prevention	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P243 - Take precautionary measures against static discharge. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Storage	P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to hazardous waste

SECTION 3: Composition/information on ingredients

3.1. Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Di-isobutyl ketone (2,6-Dimethylheptan-4-one)	606-005-00-X	108-83-8	203-620-1	01-2119474441-41	1 - 10%	R10 Xi; R37	
Hydrocarbons, C7-C9, isoalkanes			921-728-3	01-2119471305-42	60 - 70%	F; R11 Xn; R65 Xi; R38 N; R51/53 R67	
4,6-Dimethyl-2-heptonone		19549-80-5	243-148-3		1 - 10%		
Hydrocarbons, C10-C12, Isoalkanes, <2% aromatics			923-037-2	01-2119471991-29	1 - 10%	Xn; R65 R10-53-66	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Di-isobutyl ketone (2,6-Dimethylheptan-4-one)	606-005-00-X	108-83-8	203-620-1	01-2119474441-41	1 - 10%	Flam. Liq. 3: H226; STOT SE 3: H335;	
Hydrocarbons, C7-C9, isoalkanes			921-728-3	01-2119471305-42	60 - 70%	Flam. Liq. 2: H225; Asp. Tox. 1: H304; Skin Irrit. 2: H315; STOT SE 3: H336; Aquatic Chronic 2: H411;	
4,6-Dimethyl-2-heptonone		19549-80-5	243-148-3		1 - 10%		
Hydrocarbons, C10-C12, Isoalkanes, <2% aromatics			923-037-2	01-2119471991-29	1 - 10%	EUH066; Flam. Liq. 3: H226; Asp. Tox. 1: H304; Aquatic Chronic 2: H411;	

Further information

	Note: Any entry in the EC# column that begins with the number "9" is a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance. See Section 15 for additional CAS number information for the substance.
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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Ingestion	DO NOT INDUCE VOMITING.

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

Inhalation	Vapours may cause drowsiness and dizziness.
Eye contact	May cause irritation to eyes.
Skin contact	Irritating to skin.
Ingestion	Harmful: may cause lung damage if swallowed.

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

Inhalation	If medical advice is needed, have product container or label at hand.
Eye contact	Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Immediate medical attention is required.

General information

	After absorbing large amounts of substance: Liberation of reaction products (Methanol) can lead to symptoms of poisoning. Possible signs of poisoning: daze, dizziness, nausea, colicky abdominal pain, respiratory disturbance.
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Further information

	If you feel unwell, seek medical advice (show the label where possible).
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SECTION 5: Firefighting measures**5.1. Extinguishing media**

	Use as appropriate: Foam, Carbon dioxide (CO ₂), Dry chemical. Do NOT use water jet.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes. Risk of explosion by shock, friction, fire or other sources of ignition.
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5.3. Advice for firefighters

	Self-contained breathing apparatus. Wear protective gloves/protective clothing/eye protection/face protection. Highly flammable liquid and vapour. Vapour may travel considerable distance to source of ignition and flash back.
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Further information

	See section 8 for further information.
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SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

	Ensure adequate ventilation of the working area. Eliminate all sources of ignition. Evacuate personnel to a safe area. Wear suitable protective clothing.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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6.3. Methods and material for containment and cleaning up

	Use explosion proof equipment. Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. Do not allow runoff water to enter sewers or drains.
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6.4. Reference to other sections

	See section 8 & 13 for further information.
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SECTION 7: Handling and storage**7.1. Precautions for safe handling**

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Use explosion proof equipment. Keep away from sources of ignition - No smoking.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. Avoid contact with: Moisture.
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Suitable packaging

	Store in original container.
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7.3. Specific end use(s)

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7.3. Specific end use(s)

Industrial Mould & Tooling Board Sealer.

Further information

When in use the product will liberate Methanol.


SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Di-isobutyl ketone (2,6-Dimethylheptan-4-one)	WEL 8-hr limit ppm: 25 WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 148 WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Hydrocarbons, C10-C12, Isoalkanes, <2% aromatics	WEL 8-hr limit ppm: 196 WEL 15 min limit ppm: WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 1200 WEL 15 min limit mg/m3: WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Hydrocarbons, C7-C9, isoalkanes	WEL 8-hr limit ppm: 241 WEL 15 min limit ppm: WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 1200 WEL 15 min limit mg/m3: WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:

8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area. In case of insufficient ventilation, wear suitable respiratory equipment.
8.2.2. Individual protection measures	Adopt best Manual Handling considerations when handling, carrying and dispensing. Wear chemical protective clothing. Suitable foot protection e.g. boots.
Eye / face protection	safety glasses with side-shields.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Skin protection - Other	Wash hands after handling the product.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment. Suitable half mask respirator with filter P3 (EN 141A1/A2).
8.2.3. Environmental exposure controls	Do not empty into drains; dispose of this material and its container in a safe way.
Occupational exposure controls	Do not breathe dust or vapour. Wash all contaminated clothing before reuse. Wash hands after handling the product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear/Colourless
Odour	Characteristic
Odour threshold	No data available
pH	No data available
Initial boiling point	90 - 150 °C
Flash point	< 10 °C
Evaporation rate	1.6
Flammability (solid, gas)	No data available
Upper Explosive Limit	6.3 %
Lower Explosive Limit	0.7 %
Vapour pressure	> 10 mmHg
Vapour density	> 1 at 101kPa
Partition coefficient	No data available
Autoignition temperature	> 200 °C
Viscosity	No data available
Explosive properties	None
Oxidising properties	None
Solubility	Immiscible in water

9.2. Other information

Specific gravity	0.793 g/cm ³
VOC (Volatile organic compounds)	673 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

	See section below for further information.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	Will not polymerize.
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10.4. Conditions to avoid

	Avoid sparks, flames, heat and sources of ignition.
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10.5. Incompatible materials

	Strong oxidising agents. Avoid contact with: Moisture.
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10.6. Hazardous decomposition products

	Methanol in case of hydrolysis.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation	Prolonged or repeated exposure may cause: Irritant, moderate skin.
Serious eye damage/irritation	May cause irritation to eyes.
Respiratory or skin sensitisation	No sensitization effects reported.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No teratogenic effects reported.

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11.1. Information on toxicological effects

STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	Not expected to cause organ damage from prolonged or repeated exposure.
Aspiration hazard	May be fatal if swallowed and enters airways.
Repeated or prolonged exposure	Prolonged or repeated exposure may cause: Skin irritation and dermatitis.

11.1.4. Toxicological Information

Hydrocarbons, C10-C12, Isoalkanes, <2% aromatics	Inhalation Rat LC50/8 h: >5000mg/m3	Oral Rat LD50: >5000mg/kg
	Dermal Rabbit LD50: >5000mg/kg	
Hydrocarbons, C7-C9, isoalkanes	Inhalation Rat LC50/4 h: >21mg/l	Oral Rat LD50: >5000mg/kg
	Dermal Rabbit LD50: >2000mg/kg	

Further information

	Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. vapour. Inhalation is irritating to the respiratory tract and may cause damage to the central nervous system. May cause dizziness and headache. Irritating to eyes.
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SECTION 12: Ecological information

12.1. Toxicity

Hydrocarbons, C10-C12, Isoalkanes, <2% aromatics	Daphnia EC50/48h: 1000.0000 mg/l	Algae IC50/72h: 1000.0000 mg/l
	Fish LC50/96h: 1000.0000 mg/l	
Hydrocarbons, C7-C9, isoalkanes	Daphnia EC50/48h: 2.4000 mg/l	Algae IC50/72h: 29.0000 mg/l
	Fish LC50/96h: 18.4000 mg/l	

	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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12.2. Persistence and degradability

	Evaporates readily.
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12.3. Bioaccumulative potential

	No data is available on this product.
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Partition coefficient

	Marbocote HP2002 No data available	Hydrocarbons, C7-C9, isoalkanes No data available
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12.4. Mobility in soil

	No data is available on this product.
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12.5. Results of PBT and vPvB assessment

	This product is not, or does not contain a substance that is a PBT or a vPvB.
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12.6. Other adverse effects

	No Specific data.
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SECTION 13: Disposal considerations

General information

	Dispose of in compliance with all local and national regulations.
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Disposal methods

	Do not empty into drains, dispose of this material and its container at hazardous or special waste
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Disposal methods

collection point.

Disposal of packaging

This material and its container must be disposed of as hazardous waste.

Further information

Do NOT reuse empty containers.

SECTION 14: Transport information

Hazard pictograms



14.1. UN number

UN1993

14.2. UN proper shipping name

FLAMMABLE LIQUID, N.O.S. (Aliphatic Hydrocarbons contains Octanes)

14.3. Transport hazard class(es)

ADR/RID	3
Subsidiary risk	-
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-

14.4. Packing group

Packing group II

14.5. Environmental hazards

Environmental hazards	Yes
Marine pollutant	Yes

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

ADR/RID

Hazard ID	33
Tunnel Category	(D/E)

IMDG

EmS Code	F-E S-E
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IATA

Packing Instruction (Cargo)	364
Maximum quantity	60 L
Packing Instruction (Passenger)	353
Maximum quantity	5 L

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SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulations	COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on 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. 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.
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15.2. Chemical safety assessment

	No chemical safety assessment has been processed for the mixture and the substances it contains.
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Further information

	The following substance(s) in this product is (are) identified by the CAS number(s) shown in countries not subject to the REACH regulation. Hydrocarbons, C10-C12, Isoalkanes, <2% aromatics. (CAS 90622-57-4). Hydrocarbons, C7-C9, isoalkanes (CAS 90622-56-3).
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SECTION 16: Other information**Other information**

Revision	This document differs from the previous version in the following areas: 2 - Hazard pictograms.
Text of risk phrases in Section 3	R10 - Flammable R11 - Highly flammable. R37 - Irritating to respiratory system. R38 - Irritating to skin. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R53 - May cause long-term adverse effects in the aquatic environment. R65 - Harmful: may cause lung damage if swallowed. R66 - Repeated exposure may cause skin dryness or cracking. R67 - Vapours may cause drowsiness and dizziness.
Text of Hazard Statements in Section 3	Flam. Liq. 3: H226 - Flammable liquid and vapour. STOT SE 3: H335 - May cause respiratory irritation. Flam. Liq. 2: H225 - Highly flammable liquid and vapour. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. Skin Irrit. 2: H315 - Causes skin irritation. STOT SE 3: H336 - May cause drowsiness or dizziness. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. EUH066 - Repeated exposure may cause skin dryness or cracking.
Maximum content of VOC	673 g/l.

Further information

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.
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