

RESiSCAPE

RESIN BOUND AGGREGATES

SAFETY DATA SHEET FS16 SOLVENT

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

1.1. Product identifier

Product name	FS16 SOLVENT
CAS number	1330-20-7
EU index number	601-022-00-9
EC number	215-535-7

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

Uses advised against Not applicable.

1.3. Details of the supplier of the safety data sheet

Supplier NATURAL PAVING
PRODUCTS
BELTON ROAD
SANDTOFT
DONCASTER
DN8 5SX
+44 (0) 330 333 8030
sales@naturalpaving.co.uk
24 HOUR EMERGENCY NUMBER: 00447909 683213

1.4. Emergency telephone number

Emergency telephone +44 (0)1926 833367

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards	Flam. Liq. 3 - H226
Health hazards	Skin Irrit. 2 - H315 Asp. Tox. 1 - H304 Acute Tox. 4 - H312 Acute Tox. 4 - H332
Environmental hazards	Not Classified

Classification (67/548/EEC or 1999/45/EC) Xn;R20/21. Xi;R38. R10.

2.2. Label elements

EC number 215-535-7

Pictogram



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Signal word	Danger
Hazard statements	H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H332 Harmful if inhaled.
Precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P262 Do not get in eyes, on skin, or on clothing. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P331 Do NOT induce vomiting.
Contains	XYLENE

2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

XYLENE	60-100%
CAS number: 1330-20-7	EC number: 215-535-7
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 3 - H226	R10 Xn;R20/21 Xi;R38
Acute Tox. 4 - H312	
Acute Tox. 4 - H332	
Skin Irrit. 2 - H315	
Asp. Tox. 1 - H304	

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	Immediately remove contaminated clothing.
Inhalation	Move affected person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues. Place unconscious person on their side in the recovery position and ensure breathing can take place.
Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Get medical attention immediately.
Skin contact	Wash skin thoroughly with soap and water. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention.

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

General information	None known.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Foam. Carbon dioxide (CO₂). Powder.

Unsuitable extinguishing media Unsuitable extinguishing media: Water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products Not known.

5.3. Advice for firefighters

Protective actions during firefighting Wear self-contained breathing apparatus.

Special protective equipment for firefighters Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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. Keep unprotected persons away.

6.2. Environmental precautions

Environmental precautions Avoid the spillage or runoff entering drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Contain and absorb spillage with sand, earth or other non-combustible material. For waste disposal, see Section 13. Provide adequate ventilation.

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 Provide adequate ventilation. Eliminate all sources of ignition. DO NOT SMOKE. Prevent build up of electrostatic discharge in the area

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions No specific recommendations. Keep container tightly closed.

7.3. Specific end use(s)

Specific end use(s) Not relevant.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

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Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³

Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³

Sk

XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³

Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³

Sk

WEL = Workplace Exposure Limit

Sk = Can be absorbed through skin.

Ingredient comments

OES = Occupational Exposure Standard.

XYLENE (CAS: 1330-20-7)

Ingredient comments

OES = Occupational Exposure Standard.

8.2. Exposure controls

Protective equipment



Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield.

Hand protection

Wear protective gloves.

Hygiene measures

Keep away from food, drink and animal feeding stuffs. Promptly remove any clothing that becomes contaminated. Wash hands before breaks and at the end of work. Avoid contact with skin and eyes.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless.
Odour	Characteristic.
Melting point	-34°C
Initial boiling point and range	137-143°C @
Flash point	30°C
Vapour pressure	6.7-8.2 hPa @ °C
Bulk density	0.87 g/cm ³ @ 20°C
Solubility(ies)	With Water @ 20°C 0.2 g/l @ °C
Auto-ignition temperature	500°C
Viscosity	Dynamic @ 20°C 0.61 mPa s @ °C
Explosive properties	In use, may form flammable/explosive vapour-air mixture.

9.2. Other information

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Other information Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity The following materials may react with the product: Strong oxidising agents.

10.2. Chemical stability

Stability No particular stability concerns.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Avoid contact with strong oxidising agents.

10.4. Conditions to avoid

Conditions to avoid Does not decompose when used and stored as recommended.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Carbon monoxide (CO). Carbon dioxide (CO₂). 26 Toxic gas.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Respiratory sensitisation

Respiratory sensitisation Not sensitising.

Skin contact

Irritating to skin. Mucous membranes

Eye contact

Not irritating.

SECTION 12: Ecological Information

12.1. Toxicity

Acute toxicity - fish LC₅₀, 96 hours: LC50 (96u) 165 ppm (daphnia) mg/l, Fish

12.2. Persistence and degradability

Biodegradation The product is biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility No information available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment Not applicable.

12.6. Other adverse effects

Other adverse effects Water hazard class 2 (Assessment by list): hazardous for water Avoid the spillage or runoff entering drains, sewers or watercourses.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

Waste class Water hazard class 2 (Assessment by list): hazardous for water

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1307

UN No. (IMDG) 1307

UN No. (ICAO) 1307

14.2. UN proper shipping name

Proper shipping name (ADR/RID) XYLENES

Proper shipping name (IMDG) XYLENES

Proper shipping name (ICAO) XYLENES

Proper shipping name (ADN) XYLENES

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID subsidiary risk

ADR/RID label 3

IMDG class 3

IMDG subsidiary risk

ICAO class/division 3

ICAO subsidiary risk

Transport labels



14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

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Class 3: Flammable liquids.

EmS F-E, S-D

Emergency Action Code 3Y

Hazard Identification Number (ADR/RID) 30

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.

Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

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

Water hazard classification Water hazard class 2 (Assessment by list): hazardous for water

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date 15/09/2011

Risk phrases in full
R10 Flammable.
R20/21 Harmful by inhalation and in contact with skin.
R38 Irritating to skin.

Hazard statements in full
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H332 Harmful if inhaled.