

MATERIAL SAFETY DATA SHEET

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

1.1. PRODUCT IDENTIFIER

Product name

Hanson Road Repair Bitumen Sealer

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Supplier

Hanson Packed Products Limited
c/o Hanson Cement
Ketton
Stamford
Rutland
PE9 3SX

Telephone

0330 123 2074

Website

www.hanson.co.uk

Emergency telephone

0856 600 1616

SECTION 2: HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification (EC 1272/2008)

Physical and Chemical Hazards – Not classified.

Human health – Acute Tox. 4 - H312; Acute Tox. 4 - H332; Asp. Tox. 1 - H304

Environment – Aquatic Chronic 3 - H412

Classification (1999/45/EEC)

Xn; R20/21, R65, R52/53.

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

2.2. LABEL ELEMENTS

Contains

FATTY ACIDS, REACTION PRODUCTS
WITH N-(2-AMINOETHYL) PIPERAZINE



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

Signal word

Danger

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Hazard statements

Extremely flammable aerosol.

Pressurised container: may burst if heated.

Harmful to aquatic life with long lasting effects.

Keep out of reach of children.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Do not spray on an open flame or other ignition source.

Do not pierce or burn, even after use.

Do not breathe vapour/spray.

Use only outdoors or in a well-ventilated area.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Dispose of contents/container in accordance with local regulations.

2.3. OTHER HAZARDS

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. MIXTURES

BUTANE 1-10%	
CAS-No.: 106-97-8 EC No.: 203-448-7	
Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Gas 1 - H220	F+;R12

DIMETHYL ETHER 10-30%	
CAS-No.: 115-10-6 EC No.: 204-065-8	
Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Gas 1 - H220	F+;R12

ISOBUTANE 1-10%	
CAS-No.: 75-28-5 EC No.: 200-857-2	
Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Gas 1 - H220	F+;R12

PROPANE 1-10%	
CAS-No.: 74-98-6 EC No.: 200-827-9	
Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Gas 1 - H220	F+;R12

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WHITE SPIRIT 10-30%	
CAS-No.: 64742-88-7 EC No.: 265-191-7	
Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Liq. 3 - H226 EUH066 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Xn;R65 N;R51/53 R10,R66

XYLENE 10-30%	
CAS-No.: 1330-20-7 EC No.: 215-535-7	
Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315	R10 Xn;R20/21 Xi;R38

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. Get medical attention if any discomfort continues.

Inhalation

Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion

DO NOT INDUCE VOMITING! Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.

Skin contact

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if discomfort continues.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

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SECTION 5: FIREFIGHTING MEASURES

5.1. EXTINGUISHING MEDIA

Extinguishing media

Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Unusual fire and explosion hazards

Aerosol cans may explode in a fire.

5.3. ADVICE FOR FIREFIGHTERS

Special fire fighting procedures

Containers close to fire should be removed or cooled with water.
Use water to keep fire exposed containers cool and disperse vapours.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

6.2. ENVIRONMENTAL PRECAUTIONS

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Wear necessary protective equipment. Extinguish all ignition sources.
Avoid sparks, flames, heat and smoking. Ventilate. Let evaporate.
Keep out of confined spaces because of explosion risk. If leakage cannot be stopped, evacuate area.

6.4. REFERENCE TO OTHER SECTIONS

SECTION 7: HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact.
Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

7.3. SPECIFIC END USE(S)

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. CONTROL PARAMETERS

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
BUTANE	WEL	600 ppm	1450 mg/m ³	750 ppm	1810 mg/m ³	
DIMETHYL ETHER	WEL	400 ppm	766 mg/m ³	500 ppm	958 mg/m ³	
ISOBUTANE	OES	800 ppm		800 ppm		
PROPANE		Asphyxiating	Asphyxiating	Asphyxiating	Asphyxiating	
XYLENE	WEL	50 ppm(Sk)	220 mg/m ³ (Sk)	100 ppm(Sk)	441 mg/m ³ (Sk)	

Ingredient comments

WEL = Workplace Exposure Limits

WHITE SPIRIT (CAS: 64742-88-7)

8.2. EXPOSURE CONTROLS

Protective equipment



Engineering measures

Provide adequate general and local exhaust ventilation.

Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

Hand protection

Use protective gloves.

Eye protection

Use eye protection.

Other protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Aerosol.

Colour

Black.

Odour

Characteristic.

Solubility

Insoluble in water.

9.2. OTHER INFORMATION

SECTION 10: STABILITY AND REACTIVITY

10.1. REACTIVITY

10.2. CHEMICAL STABILITY

Stable under normal temperature conditions.

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

10.4. CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidising agents. Strong alkalis. Strong mineral acids.

10.5. INCOMPATIBLE MATERIALS

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

Inhalation

May cause irritation to the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system. Harmful by inhalation.

Ingestion

May cause discomfort if swallowed. May cause stomach pain or vomiting. Gastrointestinal symptoms, including upset stomach.

Skin contact

Harmful in contact with skin. Irritating to skin. Prolonged or repeated exposure may cause severe irritation. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. May cause allergic contact eczema.

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Eye contact

Irritating to eyes. May cause chemical eye burns.

Route of entry

Inhalation. Skin and/or eye contact.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Dangerous for the environment if discharged into watercourses.

12.1. TOXICITY

12.2. PERSISTENCE AND DEGRADABILITY

12.3. BIOACCUMULATIVE POTENTIAL

12.4. MOBILITY IN SOIL

12.5. RESULTS OF PBT AND VPVB ASSESSMENT

12.6. OTHER ADVERSE EFFECTS

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. WASTE TREATMENT METHODS

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

14.1. UN NUMBER

UN No. (ADR/RID/ADN) 1950

UN No. (IMDG) 1950

UN No. (ICAO) 1950

14.2. UN PROPER SHIPPING NAME

Proper Shipping Name AEROSOLS

14.3. TRANSPORT HAZARD CLASS(ES)

ADR/RID/ADN Class 2.1

ADR/RID/ADN Class 2.1: Flammable gases.

ADR Label No. 2.1

IMDG Class 2.1

ICAO Class/Division 2.1

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Transport Labels



14.4. PACKING GROUP

ADR/RID/ADN Packing group N/A

IMDG Packing group N/A

ICAO Packing group N/A

14.5. ENVIRONMENTAL HAZARDS

Environmentally Hazardous Substance/Marine Pollutant No.

14.6. SPECIAL PRECAUTIONS FOR USER

EMS F-D, S-U

14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE

SECTION 15: REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

UK regulatory references

The Control of Substances Hazardous to Health (Amendment) Regulations 2004
Chemicals (Hazard Information & Packaging) Regulations.

Environmental listing

Control of Pollution Act 1974.

Approved Code Of Practice

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

EU legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/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, including amendments.

National regulations

Workplace Exposure Limits 2005 (EH40) The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 (CDG 2007).

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15.2. CHEMICAL SAFETY ASSESSMENT

SECTION 16: OTHER INFORMATION

General information

If further information on training is required contact Hanson Cement.

Revision date

28/04/2015

Revision

2

Risk phrases in full

- R12** Extremely flammable.
R10 Flammable.
R20/21 Harmful by inhalation and in contact with skin.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R38 Irritating to skin.
R66 Repeated exposure may cause skin dryness or cracking.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard statements in full

- H315** Causes skin irritation.
H220 Extremely flammable gas.
H226 Flammable liquid and vapour.
H332 Harmful if inhaled.
H312 Harmful in contact with skin.
H412 Harmful to aquatic life with long lasting effects.
H304 May be fatal if swallowed and enters airways.
EUH066 Repeated exposure may cause skin dryness or cracking.
H411 Toxic to aquatic life with long lasting effects.

DISCLAIMER

The purpose of the above information is to describe the products only in terms of health and safety requirements. 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 process. It is the users' obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date specified.

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For further information contact:

Hanson Packed Products Limited
c/o Hanson Cement
Ketton
Stamford
Rutland
PE9 3SX

Customer Services:

Tel: 0330 123 2074
Fax: 01780 727008
Email: cement.customer.services@hanson.com

www.hanson.co.uk

