

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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Bitumen Primer

Revision 2

Revision date 2017-01-19

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

1.1. Product identifier

Product name	Bitumen Primer
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	<p>[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [SU19] Building and construction work; [PC9a] Coatings and paints, thinners, paint removers; [PROC10] Roller application or brushing; [ERC5] Industrial use resulting in inclusion into or onto a matrix; -----</p> <p>[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [SU19] Building and construction work; [PC9a] Coatings and paints, thinners, paint removers; [PROC7] Industrial spraying; [ERC5] Industrial use resulting in inclusion into or onto a matrix;</p>
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1.3. Details of the supplier of the safety data sheet

Company	Arc Building Products
Address	IDA Business & Technology Park Ballynattin, Arklow Co. Wicklow Ireland
Telephone	+353 (0)402 32370
Fax	+353 (0)402 24168
Email	sales@arcbuildingproducts.ie
Email address of the competent person	

1.4. Emergency telephone number

Emergency telephone number	+353 (0)402 32370 (Office hours only)
Company	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	: EUH066; Flam. Liq. 3: H226; STOT SE 3: H336; STOT RE 1: H372; Aquatic Chronic 2: H411;
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2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	<p>EUH066 - Repeated exposure may cause skin dryness or cracking.</p> <p>Flam. Liq. 3: H226 - Flammable liquid and vapour.</p> <p>STOT SE 3: H336 - May cause drowsiness or dizziness.</p> <p>STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure .</p>

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2.2. Label elements

	Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Precautionary Statement: Prevention	<p>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P233 - Keep container tightly closed.</p> <p>P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.</p> <p>P270 - Do not eat, drink or smoke when using this product.</p> <p>P271 - Use only outdoors or in a well-ventilated area.</p> <p>P273 - Avoid release to the environment.</p> <p>P280 - Wear protective gloves/protective clothing/eye protection/face protection.</p>
Precautionary Statement: Response	<p>P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P314 - Get medical advice/attention if you feel unwell.</p> <p>P391 - Collect spillage.</p>
Precautionary Statement: Storage	P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Naphtha (Petroleum), Hydrosulfurized Heavy; Low Boiling (White spirit)		64742-88-7	919-446-0	01-2119458049-33		EUH066; Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336; STOT RE 1: H372; Aquatic Chronic 2: H411;
Bitumen		64742-93-4	265-196-4	01-2119498270-36		

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist. Wash off immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin.
Ingestion	Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

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

Inhalation	Inhalation may cause nausea and vomiting. May cause dizziness and headache.
Eye contact	May cause irritation to eyes. May cause irritation to mucous membranes.
Skin contact	May cause degreasing of the skin. May cause irritation to skin.
Ingestion	Ingestion may cause nausea and vomiting.

General information

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Alcohol resistant foam. Carbon dioxide (CO₂). Do NOT use water jet. Dry chemical.

5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

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5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Do not flush into surface water. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal.

6.4. Reference to other sections

SECTION 13: Disposal considerations. SECTION 14: Transport information. SECTION 2: Hazards identification.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Keep away from sources of ignition - No smoking. Use explosion proof equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Naphtha (Petroleum), Hydrosulfurized Heavy; Low Boiling (White spirit)	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m ³ : 350
	WEL 15 min limit ppm:	WEL 15 min limit mg/m ³ :
	WEL 8-hr limit mg/m ³ total - inhalable dust:	WEL 15 min limit mg/m ³ total - inhalable dust:
	WEL 8-hr limit mg/m ³ total - respirable dust:	WEL 15 min limit mg/m ³ total - respirable dust:

DNEL: Derived no-effect level.

Exposure Pattern - Workers

Naphtha (Petroleum), Hydrosulfurized Heavy; Low Boiling	Acute inhalation - Systemic 570 mg/m ³ effects	
	Long-term - inhalation - Systemic 330 mg/m ³ effects	Long-term - dermal - Systemic 44 mg/kg effects

Exposure Pattern - General population

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Exposure Pattern - General population

Naphtha (Petroleum), Hydrosulfurized Heavy; Low Boiling	Acute inhalation - Systemic 570 mg/m ³ effects	
	Long-term - inhalation - Systemic 71 mg/m ³ effects	Long-term - dermal - Systemic 26 mg/kg effects
	Long-term - oral - Systemic 26 mg/kg effects	

8.2. Exposure controls



8.2.1. Appropriate engineering controls 8.2.2. Individual protection measures Eye / face protection Skin protection - Handprotection Respiratory protection	Ensure adequate ventilation of the working area.
	Wear suitable protective clothing.
	Suitable eye protection.
	Chemical resistant gloves (PVC).
	In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Black
Odour	Characteristic
Melting point	Not relevant
Freezing Point	Not relevant
Initial boiling point	> 150 °C
Flash point	> 39 °C
Upper Explosive Limit	8 %
Lower Explosive Limit	0.6 %
Vapour density	> 1 g/cm ³
Fat Solubility	Not determined
Autoignition temperature	Not determined
Viscosity	> 100 x 10 ⁻⁶ m ² /s @ 40 °C (ISO 3219)
Solubility	Immiscible in water

9.2. Other information

Specific gravity	0.88 - 0.94 g/cm ³
VOC (Volatile organic compounds)	< 540 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

Avoid sparks, flames, heat and sources of ignition.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

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10.3. Possibility of hazardous reactions

Oxidising agents.

10.4. Conditions to avoid

Heat, sparks and open flames.

10.5. Incompatible materials

Organic materials.

10.6. Hazardous decomposition products

Burning produces irritating, toxic and obnoxious fumes. Fire will produce dense black smoke.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	No observed effect level.
Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	No irritation expected.
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.
Aspiration hazard	Aspiration hazard H304 has been eliminated due to the kinematic viscosity of the product being above 20.5 mm ² /s @ 40°C.
Repeated or prolonged exposure	Repeated or prolonged exposure may cause damage to liver, kidneys and central nervous system.

11.1.4. Toxicological Information

Naphtha (Petroleum), Hydrosulfurized Heavy; Low Boiling	Inhalation Rat LC50/>13.1 h: 4 mg/kg Dermal Rabbit LD50: 3400 mg/kg	Oral Rat LD50: >15000 mg/kg
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SECTION 12: Ecological information

12.1. Toxicity

Naphtha (Petroleum), Hydrosulfurized Heavy; Low Boiling	Daphnia EC50/48h: 20.0000 mg/l	Rainbow trout LC50/96h: 10 - 30 mg/kg
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12.2. Persistence and degradability

Not readily biodegradable.

12.5. Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB.

Further information

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

SECTION 13: Disposal considerations

General information

Contact a licensed waste disposal company. 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances. 17 03 02 bituminous mixtures other than those mentioned in 17 03 01.

Disposal of packaging

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Disposal of packaging

After final product withdrawal, all residues must be removed from containers (drip-free, powder-free or paste-free). Contact a licensed waste disposal company. 15 01 10* packaging containing residues of or containing by dangerous substances.

SECTION 14: Transport information

Hazard pictograms



14.1. UN number

UN1999

14.2. UN proper shipping name

TARS, LIQUID

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 III

14.5. Environmental hazards

Environmental hazards	Yes
Marine pollutant	Yes

ADR/RID	
Hazard ID	30
Tunnel Category	(D/E)

IMDG	
EmS Code	F-E S-E

IATA

Packing Instruction (Cargo)	366
Maximum quantity	220 L
Packing Instruction (Passenger)	355
Maximum quantity	60 L

SECTION 15: Regulatory information

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

Regulations	This Safety Data Sheet has been prepared in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Classification has been made in accordance with Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation).
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SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas:. 2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Response. 2 - Precautionary Statement: Storage. 2 - Precautionary Statement: Disposal. 11 - 11.1.4. Toxicological Information. 12 - 12.1. Toxicity.
Data sources	Data extracted from individual component Safety Data Sheets.
Text of Hazard Statements in Section 3	EUH066 - Repeated exposure may cause skin dryness or cracking. Flam. Liq. 3: H226 - Flammable liquid and vapour. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. STOT SE 3: H336 - May cause drowsiness or dizziness. STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure . Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Product Subcategory	Binding primers - 750 g/l.
Maximum content of VOC	540 g/l.