

Safety Data Sheet

According to Regulation (EC) 453/2010

BITUMSEAL

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

- | | | |
|---------------|--|--|
| 1.1 | Product form: | Mixture |
| | Trade name: | Axter Bitumseal |
| 1.2 | Relevant identified uses of the substance or mixture and uses advised against | |
| 1.2.1. | Relevant identified uses | |
| | Intended for general public | |
| | Main use category : | Consumer use, Professional use |
| 1.2.2. | Uses advised against | No additional information available |
| 1.3 | Supplier | Axter Ltd, Harbour Landing, Fox's Marina, The Strand,
Wherstead, Ipswich IP2 8NJ UK
Tel: +44 (0) 1473 724056
Email: info@axterltd.co.uk
Website: www.axter.co.uk |

1.4 Emergency telephone

Axter Ltd - +44 (0) 1473 724056
(this line is open from 8.00 am to 5.30 pm, Monday to Friday).
In the event of a medical enquiry involving this product, members of the public should contact:
NHS 111
a doctor or
a local hospital accident and emergency department.

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

Flam. Liq. 3 H226

Full text of H-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02

CLP Signal word :

Warning

Hazardous ingredients :

n-Butyl acetate

Hazard statements (CLP) :

H226 - Flammable liquid and vapour

Precautionary statements (CLP) :

P102 - Keep out of reach of children
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P233 - Keep container tightly closed
P241 - Use explosion-proof electrical, lighting, ventilating equipment
P280 - Wear protective gloves
P370+P378 - In case of fire: Use carbon dioxide (CO₂), extinguishing powder, foam to extinguish

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Section 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
n-Butyl acetate	(CAS No) 123-86-4 (EC no) 204-658-1 (EC index no) 607-025-00-1 (REACH-no) 01-2119485493-29	< 12	R10 R66 R67
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
n-Butyl acetate	(CAS No) 123-86-4 (EC no) 204-658-1 (EC index no) 607-025-00-1 (REACH-no) 01-2119485493-29	< 12	Flam. Liq. 3, H226 STOT SE 3, H336

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

Section 4: First aid measures

4.1. Description of first aid measures

First-aid measures general :	If medical advice is needed, have product container or label at hand.
First-aid measures after inhalation :	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact :	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation persists, take medical advice.
First-aid measures after eye contact :	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Take victim to an ophthalmologist if irritation persists.
First-aid measures after ingestion :	Do NOT induce vomiting. Call a physician immediately.

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

Symptoms/injuries :	If you feel unwell, seek medical advice.
Symptoms/injuries after inhalation :	Inhalation may cause: irritation, cough, short breathing. May cause headache and dizziness. May cause drowsiness or dizziness. Obtain medical attention if breathing difficulty persists.
Symptoms/injuries after skin contact :	Remove all contaminated clothing and footwear. IF ON SKIN: Wash with plenty of soap and water. Repeated exposure may cause skin dryness or cracking.
Symptoms/injuries after eye contact :	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes. Consult a doctor.
Symptoms/injuries after ingestion :	Swallowing of this material presents health hazard. May cause lung damage if swallowed. Seek a medical assistance, even if there are no immediate symptoms.

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

Treat symptomatically.

Section 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : hazy water, carbon dioxide (CO₂), foam and powder.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Heating may cause a fire or explosion.
Explosion hazard : May form flammable/explosive vapour-air mixture.

5.3. Advice for firefighters

Precautionary measures fire : Evacuate area.
Firefighting instructions : Eliminate all ignition sources if safe to do so. Fight fire remotely due to the risk of explosion.
Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting : Self-contained breathing apparatus. Complete protective clothing. Do not attempt to take action without suitable protective equipment.
Other information : Use water spray or fog for cooling exposed containers.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Eliminate every possible source of ignition. No naked flames, sparks, and do not smoke.

6.1.1. For non-emergency personnel

Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. Do not get in eyes, on skin, or on clothing. Notify police and fire brigade as soon as possible.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Do not attempt to take action without suitable protective equipment.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Notify authorities if liquid enters sewers or public waters. Collect spillage.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.
Methods for cleaning up : This material and its container must be disposed of in a safe way, and as per local legislation.
Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

No additional information available

Section 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling :

Use only outdoors or in a well-ventilated area. Eliminate all ignition sources if safe to do so. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Take precautionary measures against static discharge.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures :

Use only non-sparking tools. Take precautionary measures against static discharge.

Storage conditions :

Keep cool. Store in a well-ventilated place. Keep container tightly closed.

Storage area :

Store away from direct sunlight or other heat sources.

7.3. Specific end use(s)

No additional information available

Section 8: Exposure controls/personal protection

8.1 Control parameters

n-Butyl acetate (123-86-4)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	7 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	48 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	3,4 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	12 mg/m ³
Long-term - systemic effects, dermal	3,4 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0,18 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0,981 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,0903 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	35,6 mg/l

8.2 Exposure controls

Appropriate engineering controls :	Ensure good ventilation of the work station.
Personal protective equipment :	Gloves.
Hand protection :	Nitrile-rubber protective gloves
Eye protection :	In case of risky circumstances: safety glasses or face shield
Respiratory protection :	Ventilation, local exhaust, or breathing protection. Ensure adequate ventilation



Other information :	Do not eat, drink or smoke when using this product.
---------------------	---

Section 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state :	Liquid
Appearance :	Paste.
Colour :	black.
Odour :	characteristic.
Odour threshold :	No data available
pH :	No data available
Relative evaporation rate (butylacetate=1) :	No data available
Melting point :	No data available
Freezing point :	No data available
Boiling point :	No data available
Flash point :	56 °C
Auto-ignition temperature :	No data available
Decomposition temperature :	No data available
Flammability (solid, gas) :	No data available
Vapour pressure :	No data available
Relative vapour density at 20 °C :	No data available
Relative density :	No data available
Density :	1,33 kg/l
Solubility :	No data available
Log Pow :	No data available
Viscosity, kinematic :	No data available
Viscosity, dynamic :	No data available
Explosive properties :	No data available
Oxidising properties :	No data available
Explosive limits :	No data available

9.2. Other information

VOC content :	157 g/l
---------------	---------

Section 10: Stability and reactivity

10.1. Reactivity

Heating may cause a fire or explosion.

10.2. Chemical stability

Combustible liquid.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

All heat sources, including direct sunlight. No flames, no sparks. Eliminate all sources of ignition. Avoid shock and friction.

10.5. Incompatible materials

bases. Acids. oxidizing agents.

10.6. Hazardous decomposition products

No additional information available

Section 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

n-Butyl acetate (123-86-4)

LD50 oral rat	10760 mg/kg
LD50 dermal rabbit	> 14000 mg/kg

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity
(single exposure) : Not classified

Specific target organ toxicity
(repeated exposure) : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No ecotoxicological data about this product are known.

n-Butyl acetate (123-86-4)	
LC50 fishes 1	18 mg/l Pimephales promelas (96h)
EC50 Daphnia 1	44 mg/l Daphnia magna (48h)
EC50 other aquatic organisms 1	648 mg/l Desmodesmus subspicatus (72h)

12.2. Persistence and degradability

n-Butyl acetate (123-86-4)	
Biodegradation	83 % (28 days)

12.3. Bioaccumulative potential

n-Butyl acetate (123-86-4)	
Log Pow	1,81

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Axter Bitumseal	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

12.6. Other adverse effects

Additional information : Avoid release to the environment

Section 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Discharging into rivers and drains is forbidden. Dispose of in accordance with relevant local regulations.

Additional information : Flammable vapours may accumulate in the container. Clean up even minor leaks or spills if possible without unnecessary risk.

Ecology - waste materials : Avoid release to the environment.

European List of Waste (LoW) code : 08 04 09* - waste adhesives and sealants containing organic solvents or other dangerous substances

Section 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

- 14.1. UN number**
Not regulated for transport
- 14.2. UN proper shipping name**
Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable
- 14.3. Transport hazard class(es)**
- ADR**
Transport hazard class(es) (ADR) : Not applicable
- IMDG**
Transport hazard class(es) (IMDG) : Not applicable
- ADN**
Transport hazard class(es) (ADN) : Not applicable
- RID**
Transport hazard class(es) (RID) : Not applicable
- 14.4. Packing group**
Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable
- 14.5. Environmental hazards**
Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available
- 14.6. Special precautions for user**
- 14.6.1. Overland transport**
Transport regulations (ADR) : Not applicable (cf. 2.2.3.1.5)
- 14.6.2. Transport by sea**
Transport regulations (IMDG) : Not applicable (cf. 2.3.2.5)
- 14.6.3. Air transport**
Not applicable
- 14.6.4. Inland waterway transport**
Transport regulations (ADN) : Not applicable (cf. 2.2.3.1.5)
Not subject to ADN : No
- 14.6.5. Rail transport**
Transport regulations (RID) : Not applicable (cf. 2.2.3.1.5)
Carriage prohibited (RID) : No
- 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
Not applicable

Section 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	1,81
3.a. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	Axter Bitumseal - n-Butyl acetate
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	n-Butyl acetate

Axter Bitumseal is not on the REACH Candidate List

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 157 g/l

15.1.2. National regulations

Germany

Water hazard class (WGK) : 1 - low hazard to waters

15.2. Chemical safety assessment

No additional information available

Section 16: Other information

Full text of R-, H- and EUH-phrases:

Flam. Liq. 3	Flammable liquids, Category 3
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H226	Flammable liquid and vapour
H336	May cause drowsiness or dizziness
R10	Flammable
R66	Repeated exposure may cause skin dryness or cracking
R67	Vapours may cause drowsiness and dizziness

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

The data contained in this SDS has been supplied as required by the EC REACH Regulation No. 1907/2006 and the EC Regulation No. 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided. Please ensure that it is passed to the appropriate person(s) in your company who are capable of acting on the information.

Disclaimer:

Axter Ltd reserves the right to modify and update this data at any time without prior notice. Only the latest version of this document is valid, available for download at www.axter.co.uk/downloads. Once downloaded, documents are uncontrolled. Users should always confirm they are referring to the latest version prior to use. Further assistance is available from Axter Ltd's Technical Support Team, email: technical@axterltd.co.uk, telephone: 01473 935008.

The intended use of this product should be verified with Axter Ltd prior to adoption to ensure its suitability and compliance with specifications, project requirements, industry regulations, legislation, good practice, installation techniques and all other relevant guidance. The user should ensure all necessary precautions are taken during handling, storage, installation and disposal of the product, and all regulations to guarantee safety of people and the environment are observed. Axter Ltd accepts no liability for non-compliant use of this product.