

SAFETY DATA SHEET

UK VERSION Compliant with UK REACH (SI 2019/758 and subsequent amendments) and GB CLP

Document number: 235

Revision date: 06/25

BITUKLEEN® No.3

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

1.1 Product identifier

Trade name: Proteus BITUKLEEN® No. 3
Substance name: Fatty acid methyl ester
CAS No: Proprietary
EC No: Proprietary
UK REACH Registration No: Exempt (mixture of non-hazardous substances, not subject to registration)

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

Identified uses: Asphalt and bitumen cleaner
Uses advised against: Any use not specifically stated by the manufacturer

1.3 Details of the supplier of the safety data sheet

Company: Proteus Equipment Ltd
Newlands Industrial Estate
Rushbrooke Lane
Bury St. Edmunds, Suffolk IP33 2RS
England

1.4 Emergency telephone number

Emergency telephone: +44 (0)1284 753954

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to GB CLP: Not classified as hazardous

2.2 Label elements

Labelling according to GB CLP: Not applicable
Signal word: None
Hazard statements: None
Precautionary statements: None

2.3 Other hazards

This substance does not meet the criteria for PBT or vPvB. No endocrine disrupting properties identified.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Substances: Not applicable (mixture). No hazardous ingredients.

3.2 Mixtures Description:

Description: Fatty acid methyl ester. Contains no hazardous components above threshold limits as defined in GB CLP

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General:	Move out of dangerous area. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice. Give oxygen or artificial respiration if needed.
Inhalation:	Move to fresh air. If symptoms persist, seek medical attention. If breathing is irregular or stopped, administer artificial respiration. If unconscious, place in recovery position and seek medical advice.
Skin contact:	Remove contaminated clothing. Wash with water and soap. Do not use solvents or thinners.
Eye contact:	Remove contact lenses if applicable. Rinse open eyes cautiously with water for 15 minutes. Seek medical attention if irritation persists.
Ingestion:	Rinse mouth. Do not induce vomiting. Drink small amounts of water. Seek medical attention if symptoms persist.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms:	Potential minor irritation to eyes or gastrointestinal tract if exposed.
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4.3 Indication of any immediate medical attention and special treatment needed

Treatment:	Treat symptomatically.
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SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:	Water spray, foam, dry chemical powder, carbon dioxide (CO ₂)
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Unsuitable extinguishing media:	Do not use strong water jets
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5.2 Special hazards arising from the substance or mixture

Specific hazards:	Do not use a solid water stream as it may scatter and spread fire. Fire will produce dense black smoke containing hazardous combustion products (see section 10). Vapours may form explosive mixtures with air
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5.3 Advice for firefighters

Advice:	Exposure to decomposition products may be a hazard to health. In the event of fire, wear self-contained breathing apparatus. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. In the event of fire and/or explosion do not breathe fumes. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Precautions:	Ensure adequate ventilation. Avoid contact with skin and eyes.
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6.2 Environmental precautions

Precautions:	Prevent entry into drains, surface water and soil.
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6.3 Methods and material for containment and cleaning up

Methods: Contain with inert absorbent material. Collect and dispose in accordance with local regulations.

6.4 Reference to other sections

See Section 8 for PPE and Section 13 for disposal.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice: Avoid inhalation of vapours or mists. Use only with adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Requirements: Store in original container in a cool, dry, well-ventilated place away from oxidising agents and heat sources.

7.3 Specific end use(s)

Use(s): Asphalt and bitumen cleaner

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Parameters: No occupational exposure limits established.

8.2 Exposure controls

Appropriate engineering controls: Provide adequate ventilation.

Personal protective equipment: Eye/face protection: Safety goggles with side shields (conform to EN 166)
Skin protection: Protective gloves (nitrile, butyl rubber, PVC, or fluorinated rubber, EN 374; breakthrough time ≥ 480 min)
Respiratory protection: Mask with A-type filter if ventilation is insufficient

Environmental exposure controls: Prevent product from entering drains or water courses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Pale yellow liquid
Odour: Mild
Boiling point: 354°C
Flash point (closed cup): 173°C
Vapour pressure: 420 Pa at 25°C
Density: 0.89 g/cm³
Water solubility: <0.023 mg/L
Partition coefficient (n-octanol/water): 6.2 at 25°C
Viscosity: 6.2 mPa.s at 20°C
Auto-ignition temperature: 261°C

9.2 Other information

Conductivity: Not determined

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Non-reactive under normal conditions

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

Keep away from strong oxidisers

10.4 Conditions to avoid

Heat, flames, oxidising agents, moisture ingress

10.5 Incompatible materials

Strong oxidisers

10.6 Hazardous decomposition products

Irritant vapours

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Hazard information

No hazardous effects expected under normal use.

Skin contact:	Unlikely to cause irritation
Eye contact:	May cause temporary irritation
Inhalation:	High concentrations of mist may cause mild irritation
Ingestion:	Low oral toxicity. May cause gastrointestinal tract irritation

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Not harmful to aquatic organisms

12.2 Persistence and degradability

Readily biodegradable (OECD 301B >87%)

12.3 Bioaccumulative potential

Low

12.4 Mobility in soil

Not mobile in the environment

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher

12.6 Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

None known. Should not be released into the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with local/national regulations. Do not discharge into drains.

SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport.

SECTION 15: REGULATORY INFORMATION

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

UK REACH (SI 2019/758) and GB CLP (SI 2019/720 and SI 2020/1567)

15.2 Chemical safety assessment

Not required for this product.

SECTION 16: OTHER INFORMATION

SDS prepared in accordance with UK REACH and GB CLP This document replaces all previous versions. The information is based on the present level of our knowledge and is intended to describe the product in terms of health, safety and environmental requirements. It should not therefore be construed as guaranteeing any specific property of the product.