

Proteus Equipment Ltd

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MATERIAL SAFETY DATA SHEET BITUKLEEN® NO 3

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

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

Trade name: **Proteus BITUKLEEN® NO 3**

See end of document for company details.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Directive 67/548/EEC & Directive 1999/45/EC Not classified as Dangerous according to EC Directive 67/548/EEC.

Regulation (EC) No. 1272/2008 (CLP). Not classified as Dangerous according to Regulation (EC) No. 1272/2008 (CLP)

2.2 Label elements

Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product description: Fatty acid methyl ester

CAS No: Trade secret

EC No: Trade secret

Contains no hazardous ingredients According to Regulation (EC) No. 1272/2008 (CLP).

SECTION 4: FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

In the event of exposure by inhalation: Not specifically applicable

In the event of splashes or contact with eyes: Rinse with water for at least 10 minutes whilst keeping the eyes wide open

In the event of splashes or contact with skin: Remove contaminated clothing. Wash skin with water.

In the event of ingestion: Wash mouth out and drink 200-300ml (½ pint) of water. Obtain medical attention. Do not induce vomiting.

Most important symptoms and effects, both acute and delayed: If skin irritation or rash occurs, get medical advice/attention.

Indication of any immediate medical attention and special treatment needed: Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Combustible. However, does not present any particular risk in the event of a fire.

In the event of fire, the recommended extinguishing agents are:

Water Spray

Foam

Multi-purpose powders

Carbon Dioxide (CO₂)

Extinguishing agents not to be used:

Strong water jet

Special equipment for fire fighting personnel

Self contained breathing apparatus

SECTION 6: ACCIDENTAL RELEASE MEASURES

Safety precautions:

Consult the safety measures listed under sections 8 & 13

Environmental safety precautions:

Contain and control leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatom earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

Cleaning methods:

Clean preferably with a detergent, do not use solvents.

Prohibited: Do not spray water into packaging, which has been damaged or overturned

Recovery: Recover the product by vacuuming/shovelling or sweeping

SECTION 7: HANDLING & STORAGE

Handling:

Do not breathe vapour. Avoid inhalation of high concentrations of vapour/mist.

Provide adequate ventilation if fumes or vapours are likely to be evolved to ensure that the defined occupational exposure limit is not exceeded. Avoid contact with eyes.

Combustion or thermal decomposition will evolve irritant vapours.

Storage:

Keep away from heat, hot surfaces and sources of ignition.

Store in original containers.

Keep away from strong oxidising agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering controls

Provide adequate ventilation where operational procedures demand it.

Use appropriate containment to avoid environmental contamination.

Personal Protection

Eye/face protection If splashes are likely to occur: Wear eye/face protection.

Skin protection Good working practice suggests gloves and goggles should be worn. The following materials

are suitable for protective gloves (permeation time \geq 8 hours): Nitrile rubber (0.35 mm), Butyl rubber (0.5 mm), Poly(vinyl chloride) PVC (0.5 mm), Fluorocarbon rubber (0.4 mm),

Check with protective equipment manufacturer's data.

Unsuitable gloves materials : Natural rubber, Polychloroprene

Respiratory protection Wear suitable respiratory protective equipment if exposure to high levels of material are likely.

A suitable mask with filter type A may be appropriate. Check with protective equipment manufacturer's data.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Molecular weight: 296

Form liquid

Colour Pale yellow

Odour mild

Boiling Point (°C) 354

Flash point (°C) (closed cup) 173

Flash point (°C) (open cup) 185 (COC)

Flammable Limits Non-flammable.

Auto Ignition Temperature (Deg C) 261

Explosive Properties Non-explosive.

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Vapour Pressure (Pascals) 420 at 25 Deg C

Density (g/ml) 0.89 at 20 Deg C

Solubility (Water) <0.023 mg/l The substance is essentially insoluble in water.

Partition Coefficient (n-Octanol/water) 6.2 at 25 Deg C

Viscosity (mPa.s) 6.1 at 20 Deg C

Cloud Point (°C) <5

Additional properties Not oxidising

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Non-reactive

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10.2 Chemical Stability: Stable at ambient temperatures.

10.3 Possibility of hazardous reactions: Keep away from strong oxidising agents.

10.4 Conditions to avoid: Avoid ingress of moisture by keeping containers properly sealed when not in use.

10.5 Incompatible materials: Strong oxidising agents

10.6 Hazardous Decomposition Product(s): Thermal decomposition will evolve irritant vapours. See Section 5

SECTION 11: TOXICOLOGICAL INFORMATION

The preparation contains no substance classed as hazardous per directive 67/548/EEC.

Inhalation: High concentrations of mist may be a slight irritant.

Skin contact: Unlikely to cause irritation.

Eye contact: May cause eye irritation.

Ingestion: Low oral toxicity, but may irritate gastrointestinal tract if ingested

SECTION 12: ECOLOGICAL INFORMATION

Degradability:

Readily biodegradable according to OECD 301B (87.4%) 301D and 301E

Aquatic Toxicity:

Not harmful to aquatic organisms

SECTION 13: DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

NOTE: The user's attention is drawn to the existence of local regulations regarding disposal.

SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport

SECTION 15: REGULATORY INFORMATION

UK Control Regulations:

Control of Substances Hazardous to Health Regulations (COSHH) 2002 SI 2002/2677 and COSHH

Essentials: Easy steps to control chemicals - Control of Substances Hazardous to Health Regulations HSG193.

SECTION 16: OTHER INFORMATION

This data sheet was prepared in accordance with Directive 2001/58/EC

All sections revised according to CLP/GHS requirements.

Since we do not know the user's working conditions, the information supplied on this safety sheet is based on our current level of knowledge and on national and community regulations.

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The product must not be used for any purposes other than those specified without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements to our product and not a guarantee of its properties.

FOR FURTHER INFORMATION CONTACT OUR TECHNICAL HELPLINES:

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