



SAFETY DATA SHEET

Biobrisk

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	Biobrisk
PRODUCT NO.	119-6
APPLICATION	Biological Cleaner
SUPPLIER	Autosmart International Ltd Lynn Lane, Shenstone, nr Lichfield Staffordshire. WS14 0DH England www.autosmartinternational.com Tel: +44 (0) 1543 481616 (09:00 - 17:00) Fax: +44 (0) 1543 481549 (09:00 - 17:00) info@autosmartinternational.com
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2 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

ENVIRONMENT

The product is not expected to be hazardous to the environment.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
2-BUTOXYETHANOL	203-905-0	111-76-2	< 1%	Xn;R20/21/22 Xi;R36/38
C9-11 Pareth-8		68439-45-2	1-5%	Xn;R22. Xi;R41.
Neurtoleum gamma perfume			< 1%	Xn;R65. Xi;R36/38. N;R51/53. R10,R43.

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Not relevant.

INGESTION

Rinse mouth thoroughly. Drink plenty of water. Get medical attention.

SKIN CONTACT

Remove contaminated clothing. Rinse with water. Use suitable lotion to moisturise skin. 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. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

UNUSUAL FIRE & EXPLOSION HAZARDS

No unusual fire or explosion hazards noted.

Biobrisk

SPECIFIC HAZARDS

Oxides of: Carbon. Nitrogen.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

For personal protection, see section 8.

ENVIRONMENTAL PRECAUTIONS

Do not discharge onto the ground or into water courses. To prevent release, place container with damaged side up.

SPILL CLEAN UP METHODS

Wash thoroughly after dealing with a spillage. Stop leak if possible without risk. Large Spillages: Absorb in vermiculite, dry sand or earth and place into containers. Flush area clean with lots of water. Be aware of potential for surfaces to become slippery. Flush to sewer if local regulations permit.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Read and follow manufacturer's recommendations. Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place.

STORAGE CLASS

Unspecified storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
2-BUTOXYETHANOL	WEL	25 ppm		50 ppm		Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

PROCESS CONDITIONS

Provide eyewash station.

ENGINEERING MEASURES

No particular ventilation requirements.

RESPIRATORY EQUIPMENT

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

HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

OTHER PROTECTION

Wear appropriate clothing to prevent repeated or prolonged skin contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Milky.		
ODOUR	Pleasant, agreeable.		
SOLUBILITY	Miscible with water Soluble in water.		
BOILING POINT (°C)	~ 100	MELTING POINT (°C)	~ 0
RELATIVE DENSITY	~1.015 20 °c	pH-VALUE, CONC. SOLUTION	7.0
VOLATILE ORGANIC COMPOUND (VOC)	~ 5 g/litre		

10 STABILITY AND REACTIVITY

Biobrisk**STABILITY**

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time.

HAZARDOUS POLYMERISATION

Unknown.

MATERIALS TO AVOID

Strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

11 TOXICOLOGICAL INFORMATION**GENERAL INFORMATION**

No specific health warnings noted.

INHALATION

No specific health warnings noted.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

May cause defatting of the skin, but is not an irritant. The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals after repeated contact.

EYE CONTACT

Spray and vapour in the eyes may cause irritation and smarting.

HEALTH WARNINGS

Because of quantity and composition, the health hazard is small. Serious long-term effects are not known to be related to this type of product.

OTHER HEALTH EFFECTS

OSHA Not Regulated. IARC Not Listed. NTP Not Listed.

ROUTE OF ENTRY

Ingestion.

MEDICAL SYMPTOMS

No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

Name	2-BUTOXYETHANOL
Toxic Dose 1 - LD 50	1480 mg/kg (oral rat)
Toxic Dose 2 - LD 50	220 mg/kg (ipr-rat)
Toxic Conc. - LC 50	450 ppm/4h (inh-rat)

OTHER HEALTH EFFECTS

ACGIH Carcinogen List.

Name	C9-11 Pareth-8
Toxic Dose 1 - LD 50	>2,000 mg/kg (oral rat)

OTHER HEALTH EFFECTS

This substance has no evidence of carcinogenic properties.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

Little danger for inhibition of biosludge in sewage plants. The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

MOBILITY

The product is water soluble and may spread in water systems.

BIOACCUMULATION

The product does not contain any substances expected to be bioaccumulating.

DEGRADABILITY

The product is easily biodegradable. The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

WATER HAZARD CLASSIFICATION

WGK 1

Biobrisk

Name	2-BUTOXYETHANOL
LC 50, 96 Hrs, FISH mg/l	1395-1575
EC 50, 48 Hrs, DAPHNIA, mg/l	1815
IC 50, 72 Hrs, ALGAE, mg/l	>500

Bioaccumulation potential

The product is not bioaccumulating.

Degradability

The product is biodegradable.

Name	C9-11 Pareth-8
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LC 50, 96 Hrs, FISH mg/l	10
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IC 50, 72 Hrs, ALGAE, mg/l	10
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Bioaccumulation potential

The product does not contain any substances expected to be bioaccumulating.

Degradability

The product is biodegradable.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

The packaging must be empty (drop-free, when inverted)

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical.

14 TRANSPORT INFORMATION

GENERAL

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

No transport warning sign required.

15 REGULATORY INFORMATION

RISK PHRASES

NC Not classified.

SAFETY PHRASES

P13 Safety data sheet available for professional user on request.

P14 Contains Neurtoleum gamma perfume. May produce an allergic reaction.

DETERGENT LABELLING

< 5% Non-ionic surfactants
EDTA and salts thereof
Anionic surfactants

Contains 1,2-BENZISOTHIAZOL-3(2H)-ONE, Neurtoleum gamma perfume

EU DIRECTIVES

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.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

16 OTHER INFORMATION

GENERAL INFORMATION

This product has been manufactured under ISO 9001 and ISO 14001 Quality and Environmental Management Systems.

Only trained personnel should use this material.

REVISION DATE 13/10/2010

REV. NO./REPL. SDS GENERATED 5

Biobrisk

RISK PHRASES IN FULL

R10	Flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R22	Harmful if swallowed.
R65	Harmful: may cause lung damage if swallowed.
R36/38	Irritating to eyes and skin.
R43	May cause sensitisation by skin contact.
R41	Risk of serious damage to eyes.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

DISCLAIMER

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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.