



SAFETY DATA SHEET

Product Name:	BIOGUARD OIL	SDS Reference	BHS26
Version No. 1	Initial issue date January 10 th , 2017	Revision date	01.2019

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier	Bioguard Oil	
1.2 Relevant Use(s)/misuse(s)	A plasticizer for polyvinyl chloride in polyethylene sealants and in detergents.	
1.3 SDS Supplier	Bioguard Hygiene Solutions Ltd.	
1.3.1 Manufacturer	Bioguard Hygiene Solutions Ltd. 64a St James Mill Rd St James Northampton NN5 5JP	Telephone: +44(0)1604 592048 Fax No: +44(0)1604 583854 Competent Person e-mail: trevor@rising-hsande.co.uk
1.4 Emergency Telephone	+44(0)1604 592048 (office hours)	

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE MIXTURE

2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP/GHS)


Lact. H362
Aquatic Acute 1 H400.
Aquatic Chronic 1 H410

2.1.2 Additional information

See section 16 for full text of H statements

2.2 LABELLING ELEMENTS

2.2.1 Labelling in accordance with EC Regulation No 1272/2008 (CLP/GHS)

Pictogram(s):		Signal word WARNING
Hazard statement(s)	H362 MAY CAUSE HARM TO BREAST-FED CHILDREN. H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.	
Precautionary statement(s)	P201 OBTAIN SPECIAL INSTRUCTIONS BEFORE USE. P273 AVOID RELEASE TO THE ENVIRONMENT. P308+313 IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION. P501 DISPOSE OF CONTENTS/CONTAINER TO HAZARDOUS OR SPECIAL WASTE COLLECTION SITE IN ACCORDANCE WITH LOCAL / REGIONAL / NATIONAL OR INTERNATIONAL REGULATIONS	
Supplemental information	EUH066 REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING	

2.3 OTHER HAZARDS

NONE KNOWN



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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation MIXTURE OF CHLORINATED PARRAFINS

Substances

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
ALKANES, C ₁₄₋₁₇ , CHLORO CHLORINATED PARAFFINS, C ₁₄₋₁₇	85535-85-9	287-477-0	Lact. H362; Aquatic Acute 1 H400. Aquatic Chronic 1 H410	40-50%

4. FIRST AID MEASURES

4.1 Description of measures

Inhalation	Remove casualty to fresh air. If necessary, seek medical advice.
Skin contact	Immediately clean areas affected with soap and plenty of water. If necessary, seek medical advice
Eye contact	Wash out eye thoroughly with plenty of water until irritation subsides. If necessary, consult an eye specialist/ophthalmologist.
Ingestion	If product is swallowed, do NOT induce vomiting. If conscious, drink plenty of water. If necessary, Seek medical advice.

4.2 Most important effects/symptoms Repeated exposure may cause damage to the kidneys and liver.

4.3 Immediate/special treatment Treatment as described above.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media	To suit local surroundings (e.g. water spray, carbon dioxide, foam or chemical powder)
5.2 Special hazards	Avoid run-off water entering the drains (e.g. use barriers). Product may emit hydrochloric acid
5.3 Advice for fire fighters	Wear self-contained breathing.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions	Use suitable protective equipment (see section 8).
6.2 Environmental precautions	Do not allow to get into waste water or waterways in large quantities; if this occurs, inform the relevant water authority at once.
6.3 Methods and materials for cleaning up	Take up with absorbent material, e.g. sand, sawdust into tightly closable containers. Label container and dispose of as prescribed. Use spark-free tools.
6.4 Reference to other sections	See section 8 for personal protective equipment.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling	Handle in accordance with good hygiene and safety practice.
7.2 Conditions for safe storage	Store in a substance sealed packaging, in dry, cool well-ventilated storage place. Storage temperature should not exceed 40°C.



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7. HANDLING AND STORAGE

7.3. Specific end use(s) A plasticizer for polyvinyl chloride in polyethylene sealants and in detergents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Controls parameters	There are no occupational exposure limit values available. Comply with good practice.
8.2 Exposure controls	
Engineering controls	Provide adequate ventilation (e.g. local exhaust ventilation).
Personal protection	Observe normal standards for handling chemicals. Wash hands before breaks and after work. Wear personal protective equipment appropriate to the task (see below)
Eye protection	Safety goggles if risk of eye contamination.
Skin protection	Impervious gloves (but consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
Respiratory protection	Respirator (e.g. EN 149:2001 P2 or P3) only if ventilation is insufficient.
Other protection	Protective overalls

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties	
Physical form	Viscous liquid
Colour	Pale amber/yellow
Odour	Sweet
Odour threshold	Not determined
pH	6-7
Boiling pt / range	>200 °C
Melting pt / range	Not determined °C
Flash point	Not applicable °C
Flammability	Not applicable
Thermal decomposition	Below boiling point
Evaporation rate	Not applicable
Explosion limits	Not determined
Auto-ignition temperature	Not applicable
Decomposition temp.	Not applicable
Specific gravity	1.18-1.22 (@ 27°C)
Viscosity	2-6 poise (@ 27°C)
Vapour pressure	Not applicable
Vapour density	Not applicable
Water solubility	Insoluble
Explosive properties	Not determined



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9. PHYSICAL AND CHEMICAL PROPERTIES

Oxidising properties	Not determined
Partition coeff. Log_{Oct/water}	Not determined
9.2 Other information	None known.

10. STABILITY AND REACTIVITY

10.1 Reactivity	Hazardous polymerisation will not occur
10.2 Chemical stability	Stable under normal conditions of handling.
10.3 Hazardous reactions	None known.
10.4 Conditions to avoid	High temperatures
10.5 Incompatible material	Strong acids, strong oxidants, alkali metals
10.6 Hazardous decomposition products	Carbon oxides (CO, CO ₂), hydrogen chloride (HCl)

11. TOXICOLOGICAL INFORMATION

11.1 information on toxicological effects

Acute toxicity	LD ₅₀ rat (oral)	4000	mg/kg
Dermal compatibility	No data available		
Mucous membrane compatibility	No data available.		
Further information	Prolonged and repeated contact with product may cause skin dryness and cracking. Studies in animals have shown that repeated exposure to high doses can damage the liver and kidneys.		

12. ECOLOGICAL INFORMATION

12.1 Toxicity	LC ₅₀	Fish	>5000	mg/l	96hrs
	EC ₅₀	Daphnia magna	0.0058	mg/l	48hrs
	EC ₅₀	algae	>3.2	mg/l	96hrs
12.2 Degradability	The product is partially removed in biological treatment process. Biodegradation appears to occur under both aerobic and anaerobic conditions but the data is poor.				
12.3 Bioaccumulative potential	Not determined				
12.4 Mobility in soil	The product is not volatile and insoluble and will accumulate in the ground.				
12.5 PBT/vPvB assessment	Not determined				
12.6 Other adverse effects	None known.				

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment measures



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13. DISPOSAL CONSIDERATIONS

Advice on disposal	If possible, recycle to supplier or approved recycling company. If not (e.g. designated as waste), dispose of in accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005.
Contaminated packaging	Treat empty containers in the same way as the product: if possible wash out thoroughly and recycle.

14. TRANSPORT INFORMATION

14.1 United Nations number (ADR, IMDG, IATA)	UN 3082
14.2 Proper shipping name (ADR, IMDG, IATA)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (CHLORINATED PARAFFIN, C14- C17)
14.3 Transport class(s) (ADR, IMDG, IATA)	9
14.4 Packing group (ADR, IMDG, IATA)	III
14.5 Environmental hazards (ADR, IMDG, IATA)	The product should be marked as a marine pollutant.
14.6 Special procedures (ADR, IMDG, IATA)	Not applicable
14.7 Transport in bulk (ADR, IMDG, IATA)	According to Annex II of MARPOL 73/78 and the IBC code



15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations	The product is classified in accordance with EC Regulation 1272/2008 (CLP), Other regulatory information and provisions are not applicable for this product.
15.2 Chemical safety assessment	Not applicable

16. OTHER INFORMATION

Further information

Hazard statements referred to in sections 2/3

H362: May cause harm to breast-fed children.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

EUH066: Repeated exposure may cause skin dryness or cracking

Sources of data Other suppliers' safety data sheets, ECHA C&L Inventory

Date of issue 10-01-2017

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties.



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Safety data sheet prepared by Rising HS&E Services.

