

SAFETY DATA SHEET

Product Name:	BARS SEAL	SDS Reference	
Version No. 2	Previous issue date 12-03-2012	Revision date	25-08-2015

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND OF THE COMPANY

1.1 Product identifier	Bars Seal Bulk
1.2 Use (s)	Preventing water loss in cooling systems
1.3 SDS Supplier	Winplus Europe Limited The Officers' Mess, Royston Road, Telephone +44 (0)1223 919711 Duxford, Cambs, UK CB22 4QH Competent Person E-mail: customerservice@winplus-europe.com
1.4 Emergency Telephone	01223 919711 (UK office hours, 09.00-17.00)

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE PRODUCT

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

Not classified

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):	NONE	Signal word	NONE
Hazard statement(s)	NONE		
Precautionary statement(s)	NONE		
Supplemental information	SAFETY DATA SHEET AVAILABLE ON REQUEST		
2.3 Other hazards	None known		

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation MIXTURE

Hazardous Substances

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
10-UNDECENOIC ACID, COMPD. WITH 2,2',2''-NITRILLO TRIS(ETHANOL)(1:1)	84471-25-0	282-908-9	Eye Irrit. 2 H319	<4.0%

Product Name:	BARS SEAL BULK	SDS Ref.	
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. FIRST AID MEASURES

4.1 Description of measures

Inhalation	No special measures necessary.
Skin contact	No special measures necessary.
Eye contact	Wash out eye thoroughly with plenty of water until irritation subsides. If necessary, seek medical advice
Ingestion	No special measures necessary.
4.2 Most important effects/symptoms	None known
4.3 Immediate/special treatment	Treat symptomatically.

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	Decomposition products released in a fire should be considered as probably harmful if inhaled.
5.3 Advice for fire fighters	Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions	Adhere to personal protective measures (see sections 7 and 8).
6.2 Environmental precautions	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.
6.3 Methods and materials for cleaning up	Take up as appropriate, e.g. sweep up into tightly closed containers. Label container and dispose of as prescribed.
6.4 Reference to other sections	See section 8 for personal protective equipment.

7. HANDLING & STORAGE

7.1 Precautions for safe handling	Handle in accordance with good hygiene and safety practice.
7.2 Conditions for safe storage	Ensure adequate ventilation of storage area. Keep containers tightly closed, cool and dry.
7.3. Specific end use(s)	Preventing water loss in cooling systems

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. room ventilation is normally sufficient)
Personal protection	Observe normal standards for handling chemicals. . Avoid inhalation, and contact with eyes and skin Wear personal protective equipment appropriate to the task (see below)
Eye protection	Not normally required
Skin protection	Not normally required

Product Name:	BARS SEAL BULK	SDS Ref.	
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection Not required

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties

Physical form	Paste
Colour	No data available
Odour	Characteristic
Odour Threshold	Not determined
pH	Not determined.
Boiling pt / range	Not determined
Melting pt / range	Not determined
Flash point	Not applicable °C
Flammability	Not applicable
Evaporation rate	Not applicable
Explosion limits	Not applicable
Auto-ignition temperature	Not determined
Decomposition temp.	Not applicable
Relative density	Not determined
Viscosity	Not determined
Vapour pressure	Not determined
Vapour density	Not applicable
Water solubility	Insoluble
Explosive properties	Not determined
Oxidising properties	Not determined
Partition coeff. Log _{Oct/water}	Not determined
9.2 Other information	None known

10. STABILITY & REACTIVITY

10.1 Reactivity	Stable under normal conditions of handling
10.2 Chemical stability	Stable
10.3 Hazardous reactions	None known
10.4 Conditions to avoid	None known
10.5 Incompatible material	None known
10.6 Hazardous decomposition products	None known

Product Name:	BARS SEAL BULK	SDS Ref.	
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11. TOXICOLOGICAL INFORMATION

11.1 information on toxicological effects

Acute toxicity	LD ₅₀ rat (oral)	mg/kg	No data available
Dermal compatibility	No data available		
Mucous membrane compatibility	No data available		
Further information	None known		

12. ECOLOGICAL INFORMATION

12.1 Toxicity	LC ₅₀	Aquatic organisms	ppm	No data available
12.2 Degradability	Not determined			
12.3 Bioaccumulative potential	Low, LogP _{ow} :	Not determined		
12.4 Mobility in soil	Not determined			
12.5 PBT/vPvB assessment	No data available			
12.6 Other adverse effects	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.			

13. DISPOSAL CONSIDERATIONS

Advice on disposal	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 or if possible wash out thoroughly and recycle.

14. TRANSPORT INFORMATION

14.1 United Nations number (ADR, IMDG, IATA)	Not classified
14.2 Proper shipping name (ADR, IMDG, IATA)	Not classified
14.3 Transport class(s) (ADR, IMDG, IATA)	Not classified
14.4 Packing group (ADR, IMDG, IATA)	Not classified
14.5 Environmental hazards (ADR, IMDG, IATA)	The product should not be marked as a marine pollutant.
14.6 Special procedures	Not applicable
14.7 Transport in bulk	Not applicable

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations	The product is classified in according with Regulation (EC) No 1272/2008 and Regulation (EC) No 1907/2006, on the basis of available information for the ingredients from supplier safety data sheets
15.2 Chemical safety assessment	Not applicable

Product Name:	BARS SEAL BULK	SDS Ref.	
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16. OTHER INFORMATION

Further information The SDS has been revised in accordance with EC Regulation 1272/2008 (CLP)

Hazard statements referred to in sections 3

H319: Causes serious eye irritation.

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

Date of issue 25-08-2015

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. The user has the responsibility to satisfy himself as to the suitability of the information for his own specific use.