

SAFETY DATA SHEET

BIOBOOST EMULSION CONDITIONER

Issued: 19/02/2012

Revision No: 2

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

Product name: GLOBAL BIOBOOST

Company name: Global Lubricants Ltd
13 Sandwell Business Development Centre
Oldbury Road
Smethwick,
West Midlands
B66 1NN
England
Tel: +44 (0)121 5443638
Fax: +44 (0)121 5446505

Application

Industrial conditioner for treating metalworking fluid emulsions and other water-based products. Refer to the supplier for further advice on suitability and recommendations for specific applications.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients:

Components Include:	Wt %	
•Amine Borate	30-50	[Xi]; R36/38
•Biocide	10-30	[Xi]; R36/38

3. HAZARDS IDENTIFICATION

Main hazards:

The product is irritating to the eyes and skin.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be irritation and rashes.

Eye contact: There may be irritation and stinging at the site of contact

Ingestion: Irritation of the mouth and throat. Nausea and may occur

Inhalation: Irritation of respiratory tract from exposure to fumes and mists.

SAFETY DATA SHEET

BIOBOOST EMULSION CONDITIONER

4. FIRST-AID MEASURES

Eye Contact wash eye thoroughly with plenty of clean water for at least 15 minutes.

Skin Contact Wash thoroughly from the skin with soap and water without delay. Remove contaminated clothing. Wash/laundry contaminated clothing before re-use. If irritation or other adverse skin reactions persist, obtain medical advice.

Inhalation For effects produced by over-exposure, move to fresh air. If effects persist, obtain medical advice.

Ingestion Do not induce vomiting without medical advice. Wash out mouth with water and obtain medical attention. Milk or water to drink may be beneficial (do not give anything to drink to an unconscious person). Treat symptomatically.

Notes for Doctors

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammability

Low fire risk due to water content, high flash point and low volatility. High energy sources (such as open flames) may induce combustion of the undiluted product, especially after evaporation of the water content.

Extinguishing Media

Small Fires: Water spray, Alcohol resistant foam, dry powder, carbon dioxide, sand or earth.

Special Fire-Fighting Procedures

Firefighters should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Contain spillage and prevent entry to drains or watercourses. Spillages can be slippery so affected areas should be thoroughly cleaned afterwards.

Safety Precautions

Wear suitable protective clothing, particularly eye protection. Refer to Section 8 for further details.

Small Spills

Soak in absorbent granules, sand or earth and collect solids into a suitable, marked container for proper disposal. Thoroughly clean spillage area as spillages can be slippery.

SAFETY DATA SHEET

BIOBOOST EMULSION CONDITIONER

Large Spills

Bund the area using absorbent granules, booms, sand or earth. Temporarily seal exposed drainage outlets. Reclaim liquid directly or soak in an absorbent medium, and transfer to a suitable, marked container for proper disposal.

Disposal of Spillage

Disposal must be in accordance with local regulations and (in the UK) the Environmental Protection Act 1990. Refer to Section 13 for further details.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin and eyes - wear suitable eye protection and protective gloves. Do not mix with acids. Be careful when opening containers so as not to inhale any fumes or vapours which may build up in the free air space. Ensure there is sufficient ventilation of the area.

Storage

Store in dry conditions protected from frost and elevated temperature. Store in original containers or in other epoxy-lined steel or high density polyethylene containers which are closable and clearly labelled.

Additional Guidance

The supplier can provide further advice on dilution rates for specific applications.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment Type(s) to Consider

Eyes/Face Use eye protection when handling the product. Chemical eye shield, spectacles or goggles.

Hands/Skin: Impervious gloves are recommended when handling the product. The use of appropriate gloves should always be considered when handling the neat product. Gloves should not have knitted wrists and/or open backs. Nitrile having a breakthrough time >360 minutes against alkanolamines and formaldehyde are expected to be suitable. Consider mechanical/tear resistance if handling items which could damage the glove.

Respiratory Protection: Respiratory protection is not normally required. However, suitable respiratory equipment may need to be provided for those operations which generate vapours, mists or fumes where exposure cannot be adequately controlled by local exhaust ventilation or other means or when vapours are released due to conditions causing decomposition. Respiratory full or half-masks.

SAFETY DATA SHEET

BIOBOOST EMULSION CONDITIONER

Other: EN345 safety boots (or EN347 working shoes). Work overalls to protect against skin contact.

Environmental: Suitable system design or appropriate controls should be in place to ensure that the product cannot discharge to drain, unless it is suitably treated to conform with local regulatory discharge standards.

NOTE: The above advice is based on and limited to our knowledge and experience of the product. It is the responsibility of the user to determine what particular controls and types of protective equipment are suitable and appropriate in relation to the specific conditions under which the product is used.

9. PHYSICAL AND CHEMICAL PROPERTIES

The following are indicative values only

Appearance and State Brown Liquid

Odour Mild amine-like

Flash Point > 100°C (not readily determinable due to water content)

Autoignition Temperature > 100°C

Flammability Limits (% in air) Not established

Relative Density (@ 20 C) 1.06

Boiling Point/Range (C) >100 (based on components)

Pour Point/Melting Point (C) < -2

Vapour Pressure No data

Vapour Density (air = 1) No data

Evaporation Rate (but.acetate=1) <1

Kinematic Viscosity (@ 40 C) No data

Acidity/Alkalinity Slightly alkaline

pH 9.5

Solubility In Water Readily miscible

Solubility In Solvents No data

Water/Oil Partition Coefficient No specific test data.

10. STABILITY AND REACTIVITY

Stability

This product is stable and unlikely to react in a hazardous manner under normal conditions of use, but can decompose when mixed with acids

11. TOXICOLOGICAL INFORMATION

SAFETY DATA SHEET

BIOBOOST EMULSION CONDITIONER

12. ECOLOGICAL INFORMATION

Ecological data is based on information on components and knowledge and experience of this or similar products

Mobility

The product will disperse as a solution in water. If released on land, small quantities will be absorbed in the upper soil layers where biodegradation may take place. Larger quantities may penetrate into anaerobic soil layers where some compounds may persist. Many of the components have a high soil absorption coefficient which should help to prevent significant contamination of ground water. If they reach the water table, the components are likely to disperse as a solution.

Degradability and Persistence

The individual components can vary in their biodegradability rates, but they are all expected to biodegrade when diluted to below minimum inhibitory concentration values.

Bioaccumulative Potential

The product will disperse as a solution in water, and components are not expected to bioaccumulate.

13. DISPOSAL CONSIDERATIONS

Do not contaminate ponds, water courses, soil or drains. Ensure all means of disposal comply with national and regional regulations. These include: in the EC:- the Waste Framework Directive (75/442/EEC), Hazardous Waste Directive (91/689/EEC) and amendments/additions; and in the UK:- the Environmental Protection Act 1990, Environment Act 1995 and Hazardous Waste Regulations 2005 and amendments.

Note: it is the end-user's responsibility to determine the regulatory status of waste at the time of disposal.

Undiluted Product

Do not dispose of untreated waste down the drains. The product may be incinerated in suitable equipment and under controlled conditions. Alternatively, the product can be disposed of via an authorised person/licensed waste disposal contractor.

Diluted Product

Diluted material should be treated in an appropriate effluent treatment facility or disposed of via an authorised person/licensed waste disposal contractor. If the product is mixed with other materials, the waste regulatory status, and suitable means of disposal of such mixtures, will need to be assessed based on considerations of the properties of the mixture taking account of all the components in the mixture.

SAFETY DATA SHEET

BIOBOOST EMULSION CONDITIONER

Contaminated Packs

Any special regulatory disposal status or provisions applicable to the product may also apply to empty containers or packaging if they contain, or are impregnated with, residual material.

14. TRANSPORT INFORMATION

UK Road Not Regulated

ADR Not Regulated

Sea Transport Not Regulated

Marine Pollutant: No

Air Transport Not Regulated

UN Classification Not Regulated

UN Number Not Applicable

UN Pack Group Not Applicable

15. REGULATORY INFORMATION

EC Classification

Xi: Irritant;



Irritant

Risk Phrases

R36/38: Irritating to eyes and skin.

Safety Phrases

S2: Keep out of reach of children.

S24/25: Avoid contact with skin and eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/39: Wear suitable protective clothing and eye/face protection.

UK Regulations/ EC Directives The product is not known to be subject to any specific EC provisions or restrictions. The above classification needs to be considered when carrying out workplace risk assessments, such as (in the UK) those required by COSHH Regulations using the principles in the HSE's 'COSHH Essentials'.

16. OTHER INFORMATION

R Phrases used in S.2

36/38 Irritating to eyes and skin.

SAFETY DATA SHEET

BIOBOOST EMULSION CONDITIONER

For additional advice regarding specific applications, refer to the product Technical Data Sheet or contact the supplier. The information on this Data Sheet relates only to the designated product when used for the purposes indicated. It may not be valid if the product is used for other purposes, in combination with other materials, or in any process. References may be made to regulations or standards relevant to use within the United Kingdom. Other national or local standards should be observed if the product is used outside the United Kingdom.

