SAFETY DATA SHEET

DB Soluble Oil

Date: January 2012

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

Product Identifiers

Product Name: **DB Soluble Oil**

Product code: OCON 225

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Water soluble oil for metalworking (coolant / lubricant)

Uses advised against: This product is to be used only for the purpose stated above.

Details of the supplier of the safety data sheet

Manufacturer: Logitech Ltd
Erskine Ferry Road
Old Kilpatrick
Glasgow
G60 5EU
Scotland, UK

Telephone +44 (0) 1389 875444
E-mail coshh.info@logitech.uk.com

Emergency telephone number

+44 (0) 1389 875444 (09:00 – 17:00 Monday to Friday)

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

This material is a mixture

Classification according to Regulation (EC) 1272/2008 (EU 'CLP' regulation) as amended:

Not classified as hazardous

Classification according to CHIP and EU Directives 67/548/EEC or 1999/45/EC

Not classified as dangerous

Label elements

Labelling elements according to Regulation (EC) 1272/2008 (EU 'CLP' regulation)

No labelling required under these regulations

Labelling elements according to CHIP and EU Directives 67/548/EEC or 1999/45/EC

No labelling required under these regulations

Additional labelling: No information

Other hazards

Prolonged or repeated exposure may give rise to skin complaints including dermatitis

Used oil may contain contaminants that are harmful.

Although not classified as flammable this product will burn, and heating (including welding or cutting operations) can produce oil vapour / mist that can form an explosive mixture with air.

3. COMPOSITION / INFORMATION ON INGREDIENTS

This material is a mixture of highly refined mineral oils and additives

Component	CAS No.	EC No.	%
Highly refined mineral oil (<3% w/w/ DMSO extract)			
Classification according to CHIP and EU Directives 67/548/EEC or 1999/45/EC: Not classified as dangerous			
Classification according to Regulation (EC) 1272/2008 (EU 'CLP' regulation) as amended: Not classified as hazardous			
Sodium sulphonate			**<5%**
Classification according to CHIP and EU Directives 67/548/EEC or 1999/45/EC: Xi – Irritant R38 Irritating to skin; R41 Risk of serious damage to eyes; R53 May cause long-term adverse effects in the aquatic environment			
Classification according to Regulation (EC) 1272/2008 (EU 'CLP' regulation) as amended: Eye Damage Category 1 H318 Causes serious eye damage; Skin Irritation Category 2 H315 Causes skin irritation; Aquatic Chronic Category 4 H413 May cause long lasting harmful effects to aquatic life			
Polyolefin ether			**1 - 3**
Classification according to CHIP and EU Directives 67/548/EEC or 1999/45/EC: Xi – Irritant R38 Irritating to skin; R52 Harmful to aquatic organisms			
Classification according to Regulation (EC) 1272/2008 (EU 'CLP' regulation) as amended: Skin Irritation Category 2 H315 Causes skin irritation; Aquatic Chronic Category 4 H412 Harmful to aquatic life with long lasting effects			
Alkyl amide			**1 - 3**
Classification according to CHIP and EU Directives 67/548/EEC or 1999/45/EC: R53 May cause long-term adverse effects in the aquatic environment			
Classification according to Regulation (EC) 1272/2008 (EU 'CLP' regulation) as amended: Aquatic Chronic Category 4 H413 May cause long lasting harmful effects to aquatic life			
Long chain alkenyl amide borate			**1 – 2.4**
Classification according to CHIP and EU Directives 67/548/EEC or 1999/45/EC: Xi – Irritant R38 Irritating to skin; N - Dangerous for the environment R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment			
Classification according to Regulation (EC) 1272/2008 (EU 'CLP' regulation) as amended: Skin Irritation Category 2 H315 Causes skin irritation; Aquatic Chronic Category 2 H411 Toxic to aquatic life with long lasting effects			

4. FIRST AID MEASURES

Description of first aid measures

General advice
Remove from source of exposure.

Inhalation
Remove from exposure to fresh air. If irritation persists seek medical advice

Ingestion
Wash out mouth thoroughly with water, drink plenty of water Do not induce vomiting. Seek medical attention

Skin contact
Wash area with soap and water then rinse thoroughly with water. If person experiences continued irritation seek medical advice.
Remove contaminated clothing and launder before re-use.

Eye contact
Rinse immediately with plenty of water. If present, remove contact lenses and continue rinsing for at least 10 minutes. If irritation persists obtain medical attention.

Most important symptoms and effects, both acute and delayed
No data available

Indication of any immediate medical attention and special treatment needed
Do not induce vomiting: aspiration into the lungs may result in chemical pneumonitis

5. FIRE-FIGHTING MEASURES

Extinguishing media
Suitable extinguishing media: All types except water jet
Unsuitable extinguishing media: Water jet

Special hazards arising from the substances or mixture
Product is based on organic materials. Decomposition in a fire situation will produce carbon dioxide, carbon monoxide and irritating and toxic organic chemicals.

Advice for fire fighters
Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Minimise contact with eyes and skin – wear Personal Protective equipment (PPE)
Avoid breathing fumes / vapour / mist. Ensure good ventilation or wear PPE.
Wash hands after handling

Environmental precautions

Do not allow to contaminate rivers, streams, other waterways, drains, or other aquatic systems.
Use absorbent materials (spill kit materials, sand, absorbent granules, earth etc) to contain the spillage and prevent environmental contamination.
Advise local authorities immediately if significant spillages cannot be contained.

Methods and material for containment and cleaning up

Use absorbent materials (spill kit materials, sand, absorbent granules, earth etc) to soak up the spillage. Sweep or scrape the absorbed material into a sealable storage container.
Remove final residues with a water / detergent mixture, running the water to foul sewer (NOT surface water drains).

Reference to any other sections

See section 8 for Personal Protective Equipment (PPE)
See section 13 for disposal information

7. HANDLING AND STORAGE

Precautions for safe handling:

Minimise skin contact. Wear chemically impervious gloves.
Prevent eye contact. Wear eye protection.
Avoid breathing fumes / mist / vapour – ensure adequate ventilation or fume extraction.
Do not eat, drink or smoke while using material. Wash hands after use.

Conditions for safe storage, including any incompatibilities

Keep containers sealed in a cool, well ventilated area.
Do not store in direct sunlight or near other heat sources.
Avoid using PVC containers for storage – these are likely to soften and leak

Specific end use(s)
None identified

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure limits
No UK Workplace Exposure Limits (WELs) exists for components of this product.

Exposure limits may be specified in individual countries. Check national legislation for appropriate exposure limits.
Exposure should be controlled to avoid exceeding specified limits

Derived No Effect Level (DNEL)	No information available.
Predicted No Effect Concentration (PNEC)	No information available

Exposure controls

Appropriate engineering controls
Design equipment to minimise eye contact, skin exposure and inhalation of fumes / vapour.

Personal protective equipment
If PPE is necessary to control exposure use the following:

Respiratory protection	Use an EN149 approved respirator fitted with a combined particle and organic vapour filter (type AP). The correct selection, fitting, use, storage and maintenance of respiratory protective equipment is important. Follow manufacturer's recommendation or seek expert advice. HSE document HSG 53 provides some guidance
Hand protection	Chemically impervious gloves suitable for use the components listed in section 3 e.g. Nitrile gloves. Follow manufacturer recommendations on inspection and replacement.
Skin protection	Long sleeved clothing. Replace contaminated clothing before skin contact occurs.
Eye protection	EN approved goggles or face shield if eye contact likely.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemicals properties

Appearance:	clear yellow / amber liquid
Odour:	mild, typical of mineral oil
Odour threshold:	information not available
pH:	information not available
Melting point:	< 0 ^{o}C

Boiling point:	> 100 ^{o}C
Flash point:	> 100 ^{o}C (COC)
Evaporation rate	information not available
Flammability	1 – 10 % v/v typical
Upper/lower Explosive limits	information not available
Vapour pressure	<0.5 Pa at 20°C.
Vapour density	information not available
Density	~ 0.930 kg/m^3 at 15ºC
Solubility in water:	soluble (forms an emulsion)
Solubility in other Ingredients:	information not available
Partition coefficient Octanol/water:	Log Pow > 6.
Auto-ignition temperature	> 320 ^{o}C (predicted)
Decomposition temperature	information not available
Viscosity	~ 400 mm^2/s at 20ºC.)
Explosion properties:	information not available
Oxidising properties:	Not oxidising.

Other information
No additional data available

10. STABILITY AND REACTIVITY

Reactivity
Not reactive to materials commonly used in the transportation, handling and storage.

Chemical stability
Stable at room temperature.

Possibility of hazardous reactions
No data available

Conditions to avoid
Ignition sources

Incompatible materials
Strong oxidising agents

Hazardous decomposition products
Thermal decomposition will produce carbon dioxide, carbon monoxide and irritating and toxic organic chemicals.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects.

Information below is based on properties of the component materials.

Acute toxicity	Dermal / oral LD50 expected to be > 2000 mg/kg.
Irritation	Expected to be slightly irritating to the eyes, skin and respiratory tract.
Corrosivity	Not expected to be corrosive
Sensitisation	Not expected to be a sensitiser
Repeated dose toxicity	No data available
Carcinogenicity	Not expected to be carcinogenic
Mutagenicity	Note expected to be Mutagenic
Toxicity for reproduction	Not expected to be Toxic for reproduction.

Other information
Prolonged or repeated exposure may give rise to skin complaints including dermatitis.

12. ECOLOGICAL INFORMATION

Information below is based on properties of the component materials.

Toxicity
Data not available
Product is expected to be practically non-toxic to aquatic organisms
May cause physical fouling of aquatic organisms.
Mineral oil is not expected to cause any chronic effects to aquatic organisms at concentrations less than 1 mg/l.

Persistence and biodegradability
Not expected to be readily biodegradable.
Major constituents are inherently biodegradable, but product contains components that are persistent in the environment.

Bioaccumulative potential
Contains components with the potential to bioaccumulate.

Mobility in Soil
Liquid under most environmental conditions. Product readily emulsifies in water. Large volumes may penetrate soil and could contaminate groundwater

Results of PBT and vPvB assessment
Data not available

Other adverse effects
None identified

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product
Dispose of product as hazardous waste in accordance with local, national and international legislation, using an approved registered waste disposal company.
The European Waste Code will depend upon the use of the product and cannot be specified here. (Consider 12-01-09 or 13-08-02)

Packaging
Clean uncontaminated packaging can be disposed of as general waste: European Waste Code 15 01 xx (xx will depend upon the type of packaging e.g. plastic, cardboard etc.
Refer to European Waste Catalogue). Recycle such waste wherever possible.
Contaminated packaging / containers must be disposed of as hazardous waste

14. TRANSPORT INFORMATION

UN number
Not dangerous goods

UN proper shipping name
Not a dangerous good

Transport hazard class(s)
Not a dangerous good

Packing group
Not a dangerous good

Environmental hazards
Not a dangerous good

Special precautions for user
None identified

Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code
No information available

15. REGULATORY INFORMATION

This Safety Data Sheet has been prepared in accordance with the requirements of regulation (EC) No 1907/2006 as amended by regulation (EU) No 453/2010.

Workplace exposure Limits given in section 8 have been taken from the UK HSE document: EH40/2005 Workplace exposure limits (2nd edition, 2011).

Relevant regulations:
Regulation (EC) 1272/2008 (EU 'CLP' regulation)
Regulation (EC) 790/2009 First Adaptation to Technical Progress (ATP) for CLP regulation
Regulation (EC) 286/2011 Second Adaptation to Technical Progress (ATP) for CLP regulation
EU Directive 67/548/EEC ('Dangerous Substances Directive')
Regulation (EC) No 1907/2006 ('REACH')
Regulation (EU) No 453/2010.

Safety, health and environmental regulations/legislation specific for the substance or mixture
None identified

Chemical safety assessment
A Chemical Safety Assessment has not been undertaken for this product.

16. OTHER INFORMATION

The information contained in the Safety Data Sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, storage, transportation and disposal. It is not intended as a warranty or specification. The information relates only to the product specified and may not be suitable for combinations with other materials.