



EXCELLENCE IN LUBRICANTS

SAFETY DATA SHEET

Ultramax CHF



EXOL LUBRICANTS LIMITED

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SAFETY DATA SHEET


Ultramax CHF

Product Code: H201

SECTION 1 IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF COMPANY/UNDERTAKING

1.1 Product Identifier	Ultramax CHF
Product Code	H201
1.2 Relevant identified uses of the substance or mixture and uses advised against	Hydraulic fluid. Do not use in any other application.
1.3 Company	Exol Lubricants Limited All Saints Road Wednesbury, West Midlands, WS10 9TS
1.4 Emergency Telephone Number	+44 (0) 121 568 6800 (Monday – Friday 08.30 – 17.00 hrs GMT)
1.5 Other Information	Preparation Date: 26/11/2015

SECTION 2 HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture	CLP Classification: Asp. Tox. 1; H304
<i>See section 16 for full text of H Statements</i>	
2.2 Label Elements	Labelling in accordance with CLP
	
	DANGER (H304) May be fatal if swallowed and enters airways
	(P301)+(P310) If swallowed – Immediately call a poison centre or doctor/physician. (P331) Do NOT induce vomiting. (P405) Store locked up. (P501) Dispose of contents and container as hazardous waste.
2.3 Other Hazards	Not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 DMSO test.

SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

3.2 Mixtures	Component	EC No.	REACH Reg. No.	GHS Classification	DSD Classification	Conc. %
	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	276-737-9		Asp. Tox. 1; H304		<10
	Reaction product of: polyethylene-polyamine-(C16-C18)-alkylamides with monothio-(C2)-alkyl phosphonates	417-450-2	01-0000016426-70	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Chronic 3; H412	Xi; R36/38 Xi; R43 R52/53	<1
	3-(decyloxy)tetrahydrothiophene 1,1-dioxide	242-556-9		Aquatic Chronic 2; H411	N; R51/53	<0.5

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. If symptoms persist obtain medical advice.
Eyes	Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open. Obtain medical advice if any pain or redness develops or persists.



SAFETY DATA SHEET

- Skin** Wash skin thoroughly with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing and wash underlying skin.
- Ingestion** If contamination of the mouth occurs, wash out thoroughly with water.
Except as a deliberate act, the ingestion of large amounts of product is unlikely. If it should occur, do not induce vomiting; obtain medical advice.
- 4.2 Most important symptoms and effects, both acute and delayed** No ill effects known
- 4.3 Indication of immediate medical attention and special treatment needed, if necessary** Eye contact: immediately wash out with plenty of water

SECTION 5 FIRE-FIGHTING MEASURES

- 5.1 Extinguishing media** Foam, dry powder or water fog. Water can be used to cool and protect exposed material.
- 5.2 Specific hazards arising from the substance or mixture** Toxic fumes may be evolved on burning or exposure to heat. See Stability and Reactivity, Section 10 of this Safety Data Sheet.
- 5.3 Advice for fire-fighters** Wear self-contained breathing apparatus. Water may cause splattering.

SECTION 6 ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures** Immediately evacuate all personnel from danger area. Wear Personal Protective Equipment. Eliminate all sources of heat, sparks, pilot lights, static electricity and open flames. Spilled material may make surfaces slippery.
- 6.2 Environmental precautions** Protect drains from potential spills to minimise contamination. Do not wash product into drainage system.
In the case of large spills contact the appropriate authorities. In the case of spillage on water, prevent the spread of product by the use of suitable barrier equipment. Recover product from the surface. Protect environmentally sensitive areas and water supplies.
- 6.3 Methods and material for containment and cleaning up** Absorb into dry earth or sand. Protect drains using drain covers. Dispose of as hazardous waste.
- 6.4 Reference to other sections** Personal protective equipment: See section 8

SECTION 7 HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Avoid contact with eyes. If splashing is likely to occur wear a full face visor or chemical goggles as appropriate. Avoid frequent or prolonged skin contact with fresh or used product.
Good working practices, high standards of personal hygiene and plant cleanliness must be maintained at all times. Wash hands thoroughly after contact. Use disposable cloths and discard when soiled. Do not put soiled cloths into pockets.
Use a suitable barrier cream at regular intervals.
- 7.2 Conditions for safe storage, including any incompatibilities** Keep out of the reach of children.
Store under cover away from heat and sources of ignition.
- 7.3 Specific end use(s)** See section 1

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
- | Country | Substance | Long Term (8 Hours TWA) | Short Term (15 Mins) |
|---------|-----------|-------------------------|----------------------|
| None | | | |
- 8.2 Exposure controls**
- Use local exhaust ventilation to control mists or vapours.
- Hand Protection:** Nitrile or neoprene protective gloves
- Eye Protection:** Safety glasses
- Skin Protection:** Protective clothing
- Hygiene Measures:** Wash thoroughly after handling this product



SAFETY DATA SHEET

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Does not constitute a specification

Typical Values

Grades:

Appearance

Odour

Odour Threshold

pH

Pour point/range

Initial boiling point and range

Flash point (COC)

Flammability

Upper/lower flammability or explosive limits

Vapour pressure

Relative density

Solubility - water

Partition coefficient n-octanol/water

Autoignition temperature

Decomposition temperature

Viscosity

Evaporation rate

Vapour density

Explosive properties

Oxidising properties

Units

°C

°C

°C

kPa (0.1 mm Hg)

kg/m³

Log Pow

mm²/s

mm²/s

Ultramax CHF

Green Liquid

Oily

No data available

Not applicable

-55

No data available

220

Not flammable

Not applicable

No data available

0.819 @ 20°C

Insoluble

Not applicable

No data available

No data available

18.70 @ 40°C

5.95 @ 100°C

Not applicable

Not applicable

Not applicable

None

9.2 Other Information

None

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reactions known

10.2 Chemical stability

Stable under normal conditions of use

10.3 Possibility of hazardous reactions

None known

10.4 Conditions to avoid

Avoid overheating.

10.5 Incompatible materials

Avoid contact with strong oxidising agents

10.6 Hazardous decomposition products

Thermal decomposition products will vary with conditions. Incomplete combustion will generate smoke, carbon dioxide and hazardous gases, including carbon monoxide.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

- Oral

No toxic components present at levels to cause classification.

- Inhalation

No toxic components present at levels to cause classification.

- Dermal

No toxic components present at levels to cause classification.

Corrosivity/Irritation

- Eye

No components present that are classified as eye irritants.

- Skin

No components present that are classified as skin irritants but may cause skin irritation due to de-fatting effect on skin.

- Respiratory Tract

No components present that are classified as respiratory irritants.

Sensitisation

- Skin

No evidence of sensitisation effects.

- Respiratory

No evidence of sensitisation effects.

Repeated-dose Toxicity

No data available.

Mutagenicity

No evidence of mutagenicity.

Carcinogenicity

No evidence of carcinogenicity.

Reproductive Toxicity

No evidence of reproductive toxicity.



SAFETY DATA SHEET

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity	Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired
12.2 Persistence and Degradability	Not biodegradable.
12.3 Bioaccumulative Potential	There is no evidence to suggest bioaccumulation will occur.
12.4 Mobility in Soil	Spillages may penetrate the soil causing ground water contamination. Non-volatile.
12.5 Results of PBT and vPvB Assessment	No PBT or vPvB chemicals present.
12.6 Other Adverse Effects	None known.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Where possible, arrange for product to be recycled.
Dispose of via an authorised person/ licensed waste disposal contractor in accordance with local regulations.
Incineration may be carried out under controlled conditions provided that local regulations for emissions are met.

SECTION 14 TRANSPORT INFORMATION

Not classified as hazardous for transport (ADR, RID, UN , IMO, IATA/ICAO).

SECTION 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	Supply regulations: DPD: Dangerous Preparations Directive; GHS: Globally Harmonised System of classification and labelling of chemicals; CLP: Classification, Labelling and Packaging regulations. Transport regulations: CDG: Carriage of Dangerous Goods regulations; ADR/RID/IMDG/ICAO/IATA regulations.
15.2 Chemical Safety Assessment	No formal chemical safety assessment has been carried out.

SECTION 16 OTHER INFORMATION

Third Issue
Second Issue Mar 2015: Changed classification information
First Issue October 2013: Changed to new format.

Full text of classification data in sections 2 and 3

Asp. Tox. 1; H304	Aspiration hazard, Hazard Category 1, May be fatal if swallowed and enters airways
Skin Irrit. 2; H315	Skin corrosion/irritation, Hazard Category 2; Causes skin irritation
Eye Irrit. 2; H319	Serious eye damage/eye irritation, Hazard Category 2; Causes serious eye irritation
Skin Sens. 1; H317	Sensitisation, skin, Hazard Category 1; May cause an allergic skin reaction
Aquatic Chronic 2; H411	Hazardous to the aquatic environment, long-term hazard, Hazard Category 2; Toxic to aquatic life with long-lasting effects
Aquatic Chronic 3; H412	Hazardous to the aquatic environment, long-term hazard, Hazard Category 3; Harmful to aquatic life with long-lasting effects
Xi; R36/38	Irritating to eyes and skin
R43	May cause sensitisation by skin contact
N; R51/53	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
R52/53	Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment