



EXCELLENCE IN LUBRICANTS

SAFETY DATA SHEET

Excelfluid 2238



EXOL LUBRICANTS LIMITED

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SAFETY DATA SHEET

Excellfluid 2238

Product Code: S091

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

1.1 Product Identifier	Excellfluid 2238
Product Code	S091
1.2 Relevant identified uses of the substance or mixture and uses advised against	Emulsifiable fluid for metalworking applications 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: 24/03/2015

SECTION 2 HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture **CLP Classification:**
See section 16 for full text of H statements Aquatic Chronic, Hazard Category 2; H411: EUH208

2.2 Label Elements **Labelling in accordance with CLP**



WARNING

H411: Toxic to aquatic life with long lasting effects
EUH208: Contains 3-iodo-2-propynyl butylcarbamate. May produce an allergic reaction
P273: Avoid release to the environment.
P391: Collect spillage.
P501: Dispose of contents/container to an authorised waste disposal contractor.
Contains 3-iodo-2-propynyl butylcarbamate. May produce an allergic reaction.
PBT: This substance is not identified as a PBT substance.

2.3 Other Hazards

SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

3.2 Mixtures				
Hazardous Ingredients	EINECS	REACH Reg. No.	GHS Classification	Conc. %
C14-17 Chlorinated Paraffin	287-477-0	Not Available	Aquatic Chronic 1 ; H410 Lact. ; H362	10-30
Orthoboric acid, comp with 2 amino ethanol	247-421-8	Not Available	Eye Irrit.2 : H319 Skin Irrit. 2 : H315	1-10
N,N` Methylene Bis Morpholine	227-062-3	Not Available	Acute Tox. 4; H302 Skin Corr. 1B: H314 Eye Dam. 1: H318 Acute Tox. 4: H332	1-10
3-Iodo-2-Propynyl Butylcarbamate	259-627-5	Not Available	Acute Tox. 4: H302 Eye Dam. 1: H318 Skin Sens. 1:H317 STOT SE 3: H335 Aquatic Acute 1: H400 Acute Tox. 4: H332	<1



SAFETY DATA SHEET

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures

- Eyes** Wash eye thoroughly with copious quantities of water for 15 minutes ensuring eyelids are held open.
Skin Wash skin thoroughly with soap and water.
Ingestion Do not induce vomiting. Wash out mouth with water. Give 1 cup of water to drink every 10 minutes. Transfer to hospital as soon as possible.
Inhalation Not thought to be a concern. Albeit, the user must carry out risk assessment to determine the level of cutting fluid "MIST" in the atmosphere to be within guide limits.

4.2 Most important symptoms and effects, both acute and delayed

- Skin Contact:** There may be mild irritation at the site of contact.
Eye Contact: There may be irritation and redness.
Ingestion: There may be soreness and redness of the mouth and throat.
Inhalation: If proper ventilation is available then inhalation problems should not be a concern. If no extraction of vapour from the machine tool then simply when opening the doors to the machine tool, step back for 15 seconds to allow dissipation of vapour.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Not applicable.

SECTION 5 FIRE-FIGHTING MEASURES

- 5.1 **Extinguishing media** Water spray. Carbon dioxide. Dry chemical powder.
5.2 **Specific hazards arising from the substance or mixture** Combustible
5.3 **Advice for fire-fighters** Wear self-contained breathing apparatus.

SECTION 6 ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions, protective equipment and emergency procedures** Control release of this material with sand or water. Do not allow to enter drains or any water sources, i.e. rivers. Dispose as industrial waste.
6.2 **Environmental precautions** Do not discharge into drains or rivers. Contain the spillage using bunding.
6.3 **Methods and material for containment and cleaning up** Absorb into dry earth or sand.
6.4 **Reference to other sections** Personal protective equipment: See section 8

SECTION 7 HANDLING AND STORAGE

- 7.1 **Precautions for safe handling** Observe good hygiene practices and use a suitable barrier cream at regular intervals.
7.2 **Conditions for safe storage, including any incompatibilities** Store in cool, well-ventilated area.
Suitable packaging: Plastic/metal
7.3 **Specific end use(s)** No data available

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 **Control parameters**
- | Country | Substance | Long Term (8 Hours TWA) | Short Term (15 Mins) |
|---------|-----------|-------------------------|----------------------|
| | | No data available | No data available |
- 8.2 **Exposure controls**
- Ventilation Procedures:** Ensure there is sufficient ventilation of the area.
Reparatory Protection: This product contains volatile ethanolamines and therefore is always good practice to use respiratory protection if poor levels of extraction from area of use.
Hand Protection: Protective gloves.
Eye Protection: Safety glasses
Skin Protection: Protective clothing

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES



SAFETY DATA SHEET

9.1 Information on basic physical and chemical properties

Does not constitute a specification

Typical Values

Grades:	Units	Excellfluid 2238
Appearance		Amber Liquid
Odour		Bland
Odour Threshold		No data available
pH		9.3 typ
Relative density		1.022 typ
Solubility - water	kg/m ³	Soluble
Freezing Point	°C	No data available
Initial boiling point and range	°C	No data available
Flash point	°C	>160
Flammability		No data available
Upper/lower flammability or explosive limits		No data available
Vapour pressure	kPa (0.1 mm Hg)	No data available
Partition coefficient n-octanol/water	Log Pow	Not applicable
Autoignition temperature		No data available
Decomposition temperature		No data available
Viscosity	mm ² /s	Oily
Evaporation rate		Not applicable
Vapour density		Not applicable
Explosive properties		None
Oxidising properties		None

9.2 Other Information Not data available.

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity	Stable under recommended transport or storage conditions.
10.2 Chemical stability	Stable under normal conditions
10.3 Possibility of hazardous reactions	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.
10.4 Conditions to avoid	Direct sunlight
10.5 Incompatible materials	None given
10.6 Hazardous decomposition products	None given

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicity values No data available

Corrosivity/Irritation

- Eye There may be irritation and redness.
- Skin There may be mild irritation at the site of contact.
- Ingestion There may be soreness and redness of the mouth and throat.
- Respiratory Tract If proper ventilation is available then problems should not be a concern. If no extraction of vapour from the machine tool then simply when opening the doors to the machine tool, step back for 15 minutes to allow dissipation of vapour.

SECTION 12 ECOLOGICAL INFORMATION



SAFETY DATA SHEET

12.1 Toxicity	No data available
12.2 Persistence and Degradability	Not biodegradable.
12.3 Bioaccumulative Potential	No bioaccumulation potential.
12.4 Mobility in Soil	No information given
12.5 Results of PBT and vPvB Assessment	This substance is not identified as a PBT substance.
12.6 Other Adverse Effects	None given.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Send to registered waste disposal site using services of a registered waste disposal contractor.

Disposal of packaging: Dispose of as normal industrial waste. **NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14 TRANSPORT INFORMATION

Not classified as dangerous goods for carriage under ADR/RID/AND/IMDG/ICAO/IATA regulations

14.1 UN Number	None
14.2 UN Proper Shipping Name	None
14.3 Transport Hazard Class	None
14.4 Packing Group	None
14.5 Environmental Hazards	Not classified as an Environmentally hazardous substance/Marine Pollutant
14.6 Special Precautions for User	See section 8 for safe handling
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable to packaged goods

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	A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16 OTHER INFORMATION

Third Issue
Second Issue April 2014: Changed to new format.
First Issue: October 2010 revised to Reach version 2 format

Full text of classification data in sections 2 and 3

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H362	May cause harm to breast-fed children
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effect