Ultragrade 19 Vacuum Oil

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

Product Identifiers

Product Name: **Ultragrade 19 Vacuum oil**

Product code: OCON-306

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

Identified uses: High Performance lubricant oil for Vacuum Pumps and mechanical systems.

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 substance

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

Other Hazards

Prolonged or repeated skin contact can lead to skin disorders including oil acne/folliculitis and eventually dermatitis.
Used oil may contain harmful impurities.
Although not classified as flammable, heating (including welding or cutting operations) can produce oil vapour / mist that can form an explosive mixture with air.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

This material is a substance.

There are no hazardous substances present at or above threshold limits:

Component	CAS No.	EC No.	%
Highly refined mineral oil. (DMSO extract <3%) Severely hydrotreated and hydrocracked base oil (petroleum)	**-**	**-**	**100**
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 dangerous			

4. FIRST AID MEASURES

Description of first aid measures

General advice
Not expected to be a health hazard under normal use.
Remove from source of exposure.

Inhalation
Inhalation of oil – seek medical attention
Inhalation of oil vapour / mist. Remove from exposure to fresh air. If difficulty breathing, or irritation experienced, seek medical advice

Ingestion
No treatment necessary for small quantities. For large quantities, seek medical advice

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
Wash out with plenty of water. After initial flushing, remove any contact lenses and continue flushing.
Seek medical advice in the event of continued irritation or other complaints.

Most important symptoms and effects, both acute and delayed
No specific effects and/or symptoms have been reported or are known.

Indication of any immediate medical attention and special treatment needed
None

5. FIRE-FIGHTING MEASURES

Extinguishing media
Suitable extinguishing media: Water spray, alcohol resistant foam, dry extinguishing powder, carbon dioxide
Unsuitable extinguishing media: Water jet (may cause splashing / foaming of burning material)

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

Advice for fire fighters
Product floats on water.
Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Spillages will be very slippery.
Minimise contact with skin – wear chemically impervious gloves (rubber, nitrile, PVC etc) when handling the material.

Environmental precautions

Do not allow to contaminate rivers, streams, other waterways, drains, soil or the remaining environment.
Seal surface water drains.
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. Do not allow repeated or prolonged skin contact (this may lead to skin conditions including dermatitis).
Clean contaminated skin with soap and water. Do NOT use solvents.
Replace contaminated clothing and gloves before the items become sufficiently contaminated to allow the oil to contact the skin.

Avoid breathing vapour / mist. Provide adequate ventilation or extraction if significant vapour / mist generated.

When handling used oil appropriate precautions must be taken to prevent skin contact. Implement the measures

Conditions for safe storage, including any incompatibilities

The use of PVC containers for prolonged storage is not recommended, otherwise there are no special requirements

Specific end use(s)
None identified

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure limits
There is no UK Workplace Exposure Limit (WEL) for this material.
As with all materials, exposure should be minimised. Provide ventilation or extraction if significant oil vapour /mist is generated.

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available

Exposure controls

Appropriate engineering controls
Design equipment to prevent repeated or prolonged skin exposure.

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

Respiratory protection	none required when handling liquid oil. If significant oil vapour / mist generated (or irritation is experienced) 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 with hydrocarbon oil e.g. Nitrile, PVC gloves. Follow manufacturer recommendations on inspection and replacement.
Skin protection	Long sleeved clothing. Replace contaminated clothing before skin contact with oil occurs.
Eye protection	EN approved goggles or face shield if eye contact likely (e.g. when applied to rotating machinery).

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemicals properties

Appearance:	Pale yellow liquid
Odour:	Mild, characteristic
Odour threshold:	information not available
pH:	information not available
Melting point:	information not available
Boiling point:	information not available
Flash point:	220 ^{o}C
Evaporation rate	information not available
Flammability	information not available
Upper/lower explosive limits	Upper – information not available Lower – information not available Typical range for a mineral oil 1 – 10%
Vapour pressure	information not available
Vapour density	information not available
Density	0.86 g/cm^3 @ 20 ^{o}C
Solubility in water:	Insoluble in water.
Solubility in other Ingredients:	information not available
Partition coefficient Octanol/water:	information not available
Auto-ignition temperature	information not available
Decomposition temperature	information not available
Viscosity	information not available
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 hazardous reactions known

Conditions to avoid
ignition sources

Incompatible materials
Strong organic oxidising agents

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

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity	Oral: LD 50 (rat): >5000 mg / kg Dermal: LD 50 (rabbit): >2000 mg / kg Inhalation: LC 50 (rat): >2500 mg (mist) / kg 4 hr
Skin corrosion/irritation	Expected to be slightly irritating. Prolonged or repeated skin contact may lead to skin health problems including dermatitis.
Serious eye damage/ eye irritation	Expected to be slightly irritating
Respiratory or skin sensitisation	no data available.
Germ cell mutagenicity	no data available.
Carcinogenicity	Not carcinogenic.
Reproductive toxicity	no data available.
Specific target organ toxicity – Single exposure	no data available.
Specific target organ toxicity – Repeated exposure	no data available.
Aspiration hazard	no data available.

Other information
Used oils from engines, pumps or areas of high mechanical load or may contain harmful impurities. The nature and concentration of these impurities will depend on the use of the oil. These impurities may present risks to health and the environment on disposal.
All used oil should be handled with caution and skin contact prevented.

12. ECOLOGICAL INFORMATION

Toxicity

Acute toxicity for fish	no data available
Acute toxicity for crustacea	no data available
Acute toxicity for algae	no data available

Not expected to be toxic.
Poorly soluble in water. May cause physical fouling of aquatic organisms.

Persistence and biodegradability
Expected to be biodegradable.

Bioaccumulative potential
May have the potential be bioaccumualtive.

Mobility in Soil
Adsorbs onto soil particles. Low mobility.

Results of PBT and vPvB assessment
Data not available

Other adverse effects
Data not available

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 13 08 99).

Packaging
Clean 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 must be disposed of as hazardous waste

14. TRANSPORT INFORMATION

UN number
Not a dangerous good

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 as amended.

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

Changes from previous version (version 2):

a) Change in name (MSDS title, section 1 and page footers)

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.