

**K-43 Polishing Fluid****1. IDENTIFICATION OF SUBSTANCES / MIXTURE AND OF THE COMPANY / UNDERTAKING****Product Identifiers**Product Name: **K-43 Polishing Fluid**

Product code: OCON-135

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

Identified uses: Oil based suspension of abrasive material for polishing.

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

Details of the supplier of the safety data sheetManufacturer: Logitech Ltd
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Old Kilpatrick
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G60 5EU
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Telephone +44 (0) 1389 875444

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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

Other hazards

This product contains a hydrocarbon oil. Prolonged or repeated skin exposure may lead to skin health problems including dermatitis.

Do not separate the components of the suspension. i.e. do not remove the oil to leave the abrasive solids in dry form. These solids may be irritating to the eyes, skin and respiratory system.

3. COMPOSITION / INFORMATION ON INGREDIENTS**Mixtures**

This material is a mixture.

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

Component	CAS No.	EC No.	%
Highly refined mineral oil. (DMSO extract <3%) Distillates (petroleum) - hydrotreated middle. Gasoil — unspecified.	-	-	>90
<i>Classification according to CHIP and EU Directives 67/548/EEC or 1999/45/EC:</i> Not classified as dangerous			
<i>Classification according to Regulation (EC) 1272/2008 (EU 'CLP' regulation) as amended:</i> Not classified as dangerous			
Inorganic Compounds (Various)	-	-	Below threshold levels

4. FIRST AID MEASURES

Description of first aid measures

General advice

Remove from source of exposure.

Inhalation

Product is a liquid – inhalation is unlikely.
If inhaled seek medical advice.

Ingestion

Drink plenty of water. Do not induce vomiting. Obtain medical advice

Skin contact

Wash area with soap and water then rinse thoroughly with water. Remove contaminated clothing. If a person experiences irritation, develops a rash or shows other skin problems seek medical advice

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, sand, extinguishing powder, CO₂.

Unsuitable extinguishing media: Water jet may disperse burning material.

Special hazards arising from the substances or mixture

This product contains a hydrocarbon oil. Combustion may produce irritating or toxic by-products including carbon monoxide.

Advice for fire fighters

No special precautions required.

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.

Minimise generation of airborne mist or vapour. Avoid breathing airborne mist

Conditions for safe storage, including any incompatibilities

Keep containers tightly sealed in a cool, well ventilated area away from ignition sources.

Do not store in direct sunlight or near other heat sources.

Specific end use(s)

None identified

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure limits:

There is no UK Workplace Exposure Limit (WEL) or EU Indicative Occupational Exposure Limit Value (IOELV) for this material. This does NOT mean that exposure to vapour does not need to be controlled.

Exposure limits may be specified in other countries. Check national legislation for appropriate exposure limits.

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available

Exposure controls

Appropriate engineering controls

Provide adequate ventilation to minimise airborne mist or vapour, especially in confined spaces.

Personal Protective Equipment (PPE)

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. Fabric gloves or gloves with seams are not suitable.
Skin protection	Wear long sleeved clothing to prevent splashing of skin. Replace clothing that becomes contaminated before the product comes into contact with the skin.
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:	Colourless – pale yellow liquid
Odour:	'oily'
Odour threshold:	information not available
pH:	information not available
Melting point:	information not available
Boiling point:	270 - 335 °C
Flash point:	>113°C Method: PMCC DIN51 758
Evaporation rate	information not available
Flammability	information not available
Upper/lower explosive limits	Upper 7 % vol approx Lower 0.6% vol
Vapour pressure	information not available
Vapour density	information not available
Density	0.84 @ 15°C C DIN 51 757
Solubility in water:	Insoluble in water.
Solubility in other	
Ingredients:	information not available
Partition coefficient	
Octanol/water:	information not available
Auto-ignition temperature	240 °C
Decomposition temperature	information not available
Viscosity	4.8 mm ² /s @ 40°C C DIN 51 562
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

None identified

Incompatible materials

Strong oxidizing agents, strong acids.

Hazardous decomposition products

None identified

11. TOXICOLOGICAL INFORMATION**Information on toxicological effects**

Acute toxicity	no data available
Irritation	no data available
Corrosively	no data available
Sensitisation	no data available
Repeated dose toxicity	no data available
Carcinogenicity	not carcinogenic
Mutagenicity	no data available
Toxicity for reproduction	no data available

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

Data not available.

Bioaccumulative potential

Data not available.

Mobility in Soil

Data not available.

Results of PBT and vPvB assessment

No components are classified as PBT or vPvB.

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 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 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) Section 2 Labelling information in accordance with both CHIP and CLP regulations now provided

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.