

DP Diamond Suspension**1. IDENTIFICATION OF SUBSTANCES / MIXTURE AND OF THE COMPANY / UNDERTAKING****Product Identifiers**

Product Name: **D P Diamond Suspension**
Product code: OCON-313, OCON-314, OCON-315, OCON-317

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

Identified uses: Abrasive liquid for polishing surfaces
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

Flammable liquid Category 2 H225 - Highly flammable liquid and vapour
Eye Irritation Category 2 H319 - Causes serious eye irritation

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

Symbol(s) F – Highly Flammable
Risk phrase(s) R11 - Highly flammable

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

Pictogram (s):



Signal Word: **DANGER**

Hazard Statements

Highly flammable liquid and vapour
Causes serious eye irritation

Precautionary Statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Ground/Bond container and receiving equipment
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray
Wear eye protection

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

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

Symbol:



Indication of Danger: Highly Flammable

Risk phrases: Highly Flammable.

Safety phrases: Keep out of the reach of children
Keep container tightly closed
Keep away from sources of ignition - No smoking

Other hazards Information not available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

This material is a mixture.

Hazardous components present above threshold limits:

Component	CAS No.	EC No.	%
Ethanol (ethyl alcohol)	64-17-5	200- 578-6	50 - 90
<i>Classification according to CHIP and EU Directives 67/548/EEC or 1999/45/EC:</i> Highly Flammable, F: R11 - Highly flammable			
<i>Classification according to Regulation (EC) 1272/2008 (EU 'CLP' regulation) as amended:</i> Flam. Liq. 2 H225 - Highly flammable liquid and vapour			
Isopropanol (propan-2-ol)	67-63-0	200- 661-7	<15
<i>Classification according to CHIP and EU Directives 67/548/EEC or 1999/45/EC:</i> Highly Flammable, F: R11 - Highly flammable Irritant, Xi: R36 - Irritating to eyes R67 - Vapours may cause drowsiness and dizziness			
<i>Classification according to Regulation (EC) 1272/2008 (EU 'CLP' regulation) as amended:</i> Eye Irrit. 2 H319 - Causes serious eye irritation STOT SE 3 H336 - May cause drowsiness or dizziness Flam. Liq. 2 H225 - Highly flammable liquid and vapour			

This product contains other components that are either non-hazardous or are present below threshold limits.

4. FIRST AID MEASURES

Description of first aid measures

General advice

Remove from source of exposure.

Inhalation

Remove from exposure, rest and keep warm. If there are signs of irritation or difficulty breathing seek medical attention.

Ingestion

Wash out mouth thoroughly with water. Drink plenty of water. Obtain medical advice

Skin contact

Rinse well with plenty of water. In the event of persistent irritation seek medical advice

Eye contact

Rinse immediately, including under the eye lids, with plenty of water for at least 10 minutes. If irritation persists seek medical advice.

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: None

Special hazards arising from the substances or mixture

Volatile flammable liquid readily creating flammable vapour. Vapours may form explosive mixtures with air.

This product is an organic compound. Combustion may produce irritating or toxic by-products including carbon monoxide.

Advice for fire fighters

Use self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Keep people away from the spillage.

Remove all sources of ignition.

Take precautions to prevent static discharge.

Avoid breathing vapours / fumes – ensure good ventilation.

Minimise contact with the material – wear protective equipment if exposed to large (litre) quantities.

Environmental precautions

Do not allow to enter surface drains or waterways

Methods and material for containment and cleaning up

Ensure no sources of ignition are present.

For small spillages (less than 1000 ml) dilute with at least ten times the volume of water then run to foul sewer while continuing to dilute greatly with running water.

For larger spills absorb on an inert (non-combustible) absorbent, transfer to sealed containers and dispose of as hazardous waste. Treat all such residues as flammable

Ventilate area to dispel any residual vapour.

Reference to any other sections

See section 8 for details of Personal Protective Equipment (PPE)

See section 13 for disposal information

7. HANDLING AND STORAGE**Precautions for safe handling:**

Keep away from all sources of ignition including open flames and hot surfaces. Take precautions to prevent static discharge.

Assess whether there is a likelihood of an explosive air / product mixture being created. If so, undertake a DSEAR risk assessment and implement the identified control measures to prevent fires or explosions. This will include the use of ATEX rated equipment where an explosive atmosphere may occur.

Minimise skin contact.

Avoid breathing vapours / fumes – provide adequate ventilation or extraction.

Wear personal protective equipment if necessary to prevent such exposure.

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.

Follow normal precautions for storage of flammable liquids.

Specific end use(s)

None identified

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure limits

A UK Workplace Exposure Limit (WEL) exists for:

Ethanol:

LTEL 1000 ppm / 1920 mg/m³ (8 hr TWA)

STEL: 3000ppm / 5760 mg/m³ (15 min ref. period)

Isopropanol:

LTEL 400 ppm / 999 mg/m³ (8 hr TWA)

STEL: 500ppm / 1250 mg/m³ (15 min ref. period)

Exposure must be controlled to avoid exceeding these levels.

Other exposure limits may be specified in individual 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

Use ventilation (natural or forced) or extraction to minimise inhalation of fumes / vapour.

Personal protective equipment

If PPE is necessary to control exposure, use:

Eye / face protection

EN approved safety glasses with side shields, goggles or face shield.

Skin protection:

If significant or repeated skin exposure is likely wear chemically impervious gloves suitable for use with ethanol e.g. Nitrile, PVC gloves. Follow manufacturer recommendations on inspection and replacement.

Fabric gloves or gloves with seams are not suitable.

Respiratory protection:

If personnel are likely to be exposed to a significant level of fumes (very strong smell / irritation / discomfort experienced) wear a EN149 approved respirator fitted with a suitable organic vapour filter. 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

If using a respirator with a filter the correct selection of the filter is essential. (filter type A will offer some protection).

The use of respiratory protection should only be considered as a short term safety measure until effective engineering controls are implemented.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemicals properties

Appearance: Black / grey liquid

Odour: 'alcohol-like'

Odour threshold: information not available

pH:	information not available
Melting point:	information not available
Boiling point:	information not available
Flash point:	12 °C
Evaporation rate	information not available
Flammability	information not available
Upper/lower explosive limits	Upper - information not available Lower - information not available Predicted range 3 – 20%
Vapour pressure	information not available
Vapour density	information not available
Density	0.85 g/cm ³
Solubility in water:	completely miscible
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
Ignition temperature	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 under normal conditions of use.

Possibility of hazardous reactions

No hazardous reactions known under normal conditions of use

Conditions to avoid

Excessive heat, incompatible materials.

Incompatible materials

Oxidizing agents.

Hazardous decomposition products

Carbon dioxide, Carbon monoxide, formaldehydes and other irritating or toxic organic by-products may be produced in a fire situation.

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	Repeated or prolonged exposure to ethanol is known to adversely affect the reproductive system, central nervous system (CNS), liver, kidney, blood, respiratory system, skin and eyes.
Carcinogenicity	no data available
Mutagenicity	Mutagenic effects have occurred in humans
Toxicity for reproduction	Adverse reproductive effects have occurred in humans. Known to cause developmental toxicity in humans

Further information

Teratogenic effects have occurred in humans.

12. ECOLOGICAL INFORMATION

Toxicity

Acute toxicity for fish (*Leuciscus idus*) no data available
Acute toxicity for crustacea (*Daphnia magna*) no data available
Acute toxicity for algae (*Selenastrum capricornutum*) no data available

Persistence and biodegradability

80% of the product is biodegradable

Bioaccumulative potential

Data not available.

Mobility in Soil

Data not available.

Results of PBT and vPvB assessment

Data not available. Not expected to be 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 16 05 08).

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).
Containers previously used to store this product that are now free of the product (residues can be removed by washing) can be disposed of as general (non-hazardous) waste. Recycle such containers where possible.

14. TRANSPORT INFORMATION

UN number

2515

	ADR/RID	IMDG	IATA
UN proper shipping name	FLAMMABLE LIQUID, N.O.S (Mixture of Ethanol solution)		
Transport hazard class(s)	3	3	3
Packing group	II	II	II

Environmentally Hazardous substance: No

IMDG Marine Pollutant: No

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.

The Workplace exposure Limit given in section 8 has been taken from the UK HSE document: EH40/2005 Workplace exposure limits as amended.
The EU Indicative Occupational Exposure Limit Value (IOELV) in section 8 has been taken from Commission directive 2000/39/EC

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.

DSEAR: Dangerous Substances and Explosive Atmospheres Regulations 2002

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 3):

- a) Section 1 additional grade reference added

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.