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1. PRODUCT INFORMATION

Product Name: eco-lease DC
Application: Mould release oil
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2. COMPOSITION

| Substance Name | Values (%) | Cas No. | EC No | EC Index | Symbols | R Phrases |
|--|---|---------|-----------|----------|---------|-----------|
| Hydrocarbons (C15-C20, n-alkanes, isoalkanes, cyclics, <0.03% aromatics) | 10 - 20% | | 934-956-3 | | Xn; | R65 |
| Distillate (Petroleum), severely Hydrotreated Light Naphthenic | This substance does not meet the criteria for classification according to directive 67/548/EEC as amended | | | | | |
| Full text of R-phrases: see section 16 | | | | | | |

3. HAZARDS

Main Hazards
May cause irritation of respiratory tract.
Irritating to skin. Can cause redness.
Harmful, may cause lung damage if swallowed
Low coefficient of friction presenting a slip hazard.

Environmental Properties: Not biodegradable. Toxic to aquatic organisms

4. FIRST AID MEASURES

Inhalation: If inhalation of mist fumes or vapour causes irritation to the nose or throat or coughing remove to fresh air. If symptoms persist obtain medical advice.

Skin contact: Wash skin thoroughly using soap and water.

Eye contact: Rinse immediately with water, also under the eyelids for at least 10 minutes.

Ingestion: Do not induce vomiting
Rinse mouth and drink plenty of water

Inhalation: Remove from source of exposure. If symptoms persist obtain medical advice.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Use carbon dioxide, foam, water fog or dry powder.

Not to be used: Direct water jet. (Use water only to keep fire exposed containers cool.)

Protective equipment for fire fighting: In the event of a large fire, self-contained breathing apparatus should be worn.

Other information: Heat from a fire could possibly result in drums bursting. Vapour may travel long distances to source of ignition.
Toxic gases/vapours/fumes of carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

Contain and collect spillage with help of absorbent materials such as floor granules. Protect drains from potential spills to minimise contamination. Wear protective clothing. Ensure adequate ventilation. Eliminate all sources of ignition.

| | |
|---------------------------|----------------|
| Flash Point | 133C (minimum) |
| Auto Ignition Temperature | 230C (approx.) |

If spillage enters drains call Environment Agency Emergency hotline on 0800 807060.

7. HANDLING & STORAGE

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|----------|--|
| Handling | Exposure by inhalation or skin contact should be minimised by good Industrial Hygiene practices. Avoid contact with eyes, skin and clothing. Avoid inhaling vapours. Well ventilated areas preferred. |
| Storage | Store away from sources of strong heat sparks, open flames and strong oxidising chemicals. Avoid extremes of humidity. External tanks or stillage should be banded. Avoid direct sunlight. |

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Personal protective equipment

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|--------------------------------------|---|
| Respiratory Protection | In case of insufficient ventilation wear suitable respiratory equipment fitted with a filter. |
| Hand Protection | Wear suitable impervious gloves (butyl /nitrile). |
| Eye Protection | Wear suitable safety glasses or goggles. |
| Protection and Hygiene | Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use. Eye wash bottle with pure water. Use barrier creams to prevent skin contact. |
| Engineering Measures | Ensure good ventilation. |
| Component (WEL (mg/m ³)) | Distillate (Petroleum), hydrotreated light, Kerosene – Unspecified (265-149-8) 10 (for 15 minutes) |

9. PHYSICAL & CHEMICAL PROPERTIES: typical data

| | |
|---------------------------------------|--------------------------------|
| Appearance at 20°C | Amber Mobile Liquid |
| Odour | Slight hydrocarbon |
| Boiling point range °C | 236 to >250 |
| Density at 15.6°C | 0.868 |
| Viscosity at 40°C | 10.5 centistokes |
| Flash Point (Abel) | 133°C (minimum) |
| Auto-ignition temperature (ASTM E659) | Approximately 230°C |
| Benzene Content % m/m | <0.1% |
| Solubility | Soluble in non-polar solvents. |

10. STABILITY & REACTIVITY

| | |
|-----------------------------------|---------------------------------------|
| Stability | Stable under normal conditions of use |
| Hazardous decomposition products, | Carbon monoxide and carbon dioxide. |
| Thermal Decomposition | This material is combustible. |
| Incompatible materials | Oxidising agents. |
| Conditions to avoid | Heat, flames and sparks |

11. TOXICOLOGICAL INFORMATION

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|-------------|---|
| Inhalation | May cause irritation of the respiratory tract. Inhalation of high vapour concentrations may produce anaesthetic or narcotic effects. |
| Skin | Irritating to the skin. Redness. |
| Inhalation | At normal ambient temperatures is unlikely to cause inhalation hazard because of low volatility. |
| Ingestion | Smallest quantities reaching the respiratory system through swallowing or subsequent vomiting may cause irritation. Seek medical advice |
| Eye contact | Liquid and vapours can cause eye irritation. |

12. ECOLOGICAL INFORMATION

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|---------------------|--|
| Ecotoxicity effects | The product components are classified as environmentally hazardous. |
| Mobility in soil | Some components may penetrate the soil causing ground water contamination. |
| Degradability | inherently biodegradable. |
| Bio accumulation | Bioaccumulation is unlikely to be significant because of low water solubility of this product. |
| Aquatic toxicity | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |


13. DISPOSAL CONSIDERATIONS

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| Product Disposal | Ensure conformance with local and national regulations. |
| Container Disposal | Labels should not be removed from containers until they have been cleaned. Ensure conformance with local and national regulations. |
| Specific Advice | Supplied material should be considered as Special Waste and Disposal should conform to the relevant Regulations. |

14. TRANSPORT INFORMATION

| | |
|--|------------------|
| Hazardous for Transport. | None |
| Proper shipping name | N/A |
| Un. No | N/A |
| Class | N/A |
| Packaging group | N/A |
| Special precautions for user | N/A |
| Environmental hazard | Marine pollutant |
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code | N/A |

15. REGULATORY INFORMATION

| | |
|-------------------|--|
| Label for supply: |  |
| Risk Phases: | R38 R51/53 R65 |
| Safety Phases: | S2 S23 S24 S43 |
| | Irritating to the skin Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful. May cause lung damage if swallowed Keep out of reach of children Do not breathe vapours/spray Avoid contact with skin In case of fire use foam/dry powder/CO2/Halon Never use water jets. |

16. OTHER INFORMATION

This information is, to the best of Leeds Oil & Grease Co. Ltd.'s knowledge, correct and is intended to describe the product requirements. Since the conditions of use are outside Leeds Oil & Grease Co. Ltd.'s control any recommendations or suggestions are made without guarantee and Leeds Oil & Grease Co. Ltd. disclaims any liability for loss or damage suffered from use of this information. Customers must satisfy themselves that the product is suitable for a particular purpose.

Further information can be found in Health & Safety Executive publications, a list of which can be made available from HSE Books – Tel:- 01787 881165

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|-----------------------|---|
| Guidance | COSHH Essentials and Chip for everyone. Consumer Protection Act. Environmental Protection Act COSHH Regulations CHIP regulations |
| Statutory instruments | The Health & Safety at Work Act 1974 Regulation (EC) NO. 1907/2006 (REACH) amendment to Directive 67/548/EEC Directive 98/24/EC Directive 99/45/EC |