SAFETY DATA SHEET
SILICONE OIL AEROSOL

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

1.1. Product identifier
Product name: SILICONE OIL AEROSOL
Product No.: OSL, EOSL400, ZE

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Silicone oil.

1.3. Details of the supplier of the safety data sheet
Supplier: ELECTROLUBE. A division of HK WENTWORTH LTD
ASHBY PARK, COALFIELD WAY,
ASHBY DE LA ZOUCH, LEICESTERSHIRE
LE65 1JR
UNITED KINGDOM
+44 (0)1530 419600
+44 (0)1530 416640
info@hkw.co.uk

1.4. Emergency telephone number
+44 (0)1530 419600 between 8.30am - 5.00pm GMT Mon – Fri

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical and Chemical Hazards
Flam. Aerosol 1 - H222

Human health
EUH066; STOT SE 3 - H336

Environment
Aquatic Chronic 2 - H411

Classification (1999/45/EEC)

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Environment
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Dispose of waste and residues in accordance with local authority requirements.

Physical and Chemical Hazards
Aerosol containers can explode when heated, due to excessive pressure build-up. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

2.2. Label elements
Label in Accordance With (EC) No. 1272/2008

Signal Word: Danger
Hazard Statements

H222 Extremely flammable aerosol.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P280 Wear protective gloves, eye and face protection.

Supplementary Precautionary Statements

P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P261 Avoid breathing vapour/spray.
P410+412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

Supplemental label information

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Not Classified as PBT/vPvB by current EU criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

<table>
<thead>
<tr>
<th>PENTANE</th>
<th>80-100%</th>
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<tbody>
<tr>
<td>CAS-No.: 109-66-0</td>
<td>EC No.: 203-692-4</td>
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</tbody>
</table>

Classification (EC 1272/2008)  Classification (67/548/EEC)
Flam. Liq. 2 - H225  F+;R12
EUH066  Xn;R65
STOT SE 3 - H336  R66
Asp. Tox. 1 - H304  R67
Aquatic Chronic 2 - H411  N;R51/53

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition Comments

Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation
Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.
Get medical attention.

Ingestion
Immediately rinse mouth and provide fresh air.

Skin contact
Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye contact
Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media
Extinguishing media
Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
Unusual Fire & Explosion Hazards
Aerosol cans may explode in a fire.
Specific hazards
The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures. Aerosol containers can explode when heated, due to excessive pressure build-up.

5.3. Advice for firefighters

Special Fire Fighting Procedures
Move container from fire area if it can be done without risk.
Protective equipment for fire-fighters
Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions
Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up
Absorb in vermiculite, dry sand or earth and place into containers. Ventilate well.

6.4. Reference to other sections
Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See section 12 as well. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
Avoid spilling, skin and eye contact. Provide good ventilation.

7.2. Conditions for safe storage, including any incompatibilities
Store at moderate temperatures in dry, well ventilated area.

7.3. Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>STD</th>
<th>TWA - 8 Hrs</th>
<th>STEL - 15 Min</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PENTANE</td>
<td>WEL</td>
<td>600 ppm</td>
<td>1800 mg/m3</td>
<td></td>
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</tbody>
</table>

WEL = Workplace Exposure Limit.
DNEL

Industry Dermal Long Term Systemic Effects 432 mg/kg/day
Industry Inhalation Long Term Systemic Effects 3000 mg/m³
Consumer Oral Long Term Systemic Effects 214 mg/kg/day
Consumer Dermal Long Term Systemic Effects 214 mg/kg/day
Consumer Inhalation Long Term Systemic Effects 643 mg/m³

PNEC

Water 0.23 mg/l
Sediment 1.2 mg/kg
Soil 0.55 mg/kg
STP 3.6 mg/l

8.2. Exposure controls

Process conditions
Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.

Engineering measures
Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment
Respiratory protection must be used if air contamination exceeds acceptable level.

Hand protection
Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Butyl rubber gloves are recommended.

Eye protection
If risk of splashing, wear safety goggles or face shield.

Other Protection
Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures
Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. DO NOT SMOKE IN WORK AREA!

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance Aerosol. Liquid
Colour Colourless.
Odour Hydrocarbon.
Solubility Immiscible with water
Initial boiling point and boiling range (°C) >35 (95 F)
Melting point (°C) <= 50 (-58 F)
Bulk Density 655 kg/m³
Flash point (°C) - 48 (-54.4 F) CC (Closed cup).
Auto Ignition Temperature (°C) >200 (392 F)
Flammability Limit - Lower(%) 1.4
Flammability Limit - Upper(%) 7.8
Comments Information given concerns the major ingredient.

9.2. Other information

Volutility Description Volatile

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No specific reactivity hazards associated with this product.

10.2. Chemical stability
Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions
Not available.
Hazardous Polymerisation
Will not polymerise.

10.4. Conditions to avoid
Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials
Materials To Avoid
Strong alkalis. Strong acids.

10.6. Hazardous decomposition products
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Other Health Effects
This substance has no evidence of carcinogenic properties.

Inhalation
May cause irritation to the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

Skin contact
Product has a defatting effect on skin. Prolonged contact may cause dryness of the skin. Prolonged or repeated exposure may cause severe irritation.

Eye contact
Irritating to eyes.

Route of entry
Inhalation.

Toxicological information on ingredients.

PENTANE (CAS: 109-66-0)

Toxic Dose 1 - LD 50
>2000 mg/kg (oral rat)

Toxic Dose 2 - LD 50
446 mg/kg (ivn-mouse)

Toxic Conc. - LC 50
364, 000 mg/m3/30h (inh-rat)

Acute toxicity:
Acute Toxicity (Oral LD50)
> 2000 mg/kg

Acute Toxicity (Inhalation LC50)
> 40 mg/l (vapours) Rat 4 hours

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity
Dangerous for the environment if discharged into watercourses.

12.1. Toxicity
12.2. Persistence and degradability

Degradability
There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential
No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:
The product is insoluble in water and will spread on the water surface.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number
UN No. (ADR/RID/ADN)  1950
UN No. (IMDG)  1950
UN No. (ICAO)  1950

14.2. UN proper shipping name

Proper Shipping Name  AEROSOLS (PENTANE)

14.3. Transport hazard class(es)

ADR/RID/ADN Class  2.1
ADR/RID/ADN Class  Class 2: Gases
ADR Label No.  2.1
IMDG Class  2.1
ICAO Class/Division  2.1
Transport Labels

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

14.6. Special precautions for user

EMS  F-D, S-U
Tunnel Restriction Code  (D)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Statutory Instruments


Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

SILICONE OIL AEROSOL


Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions of use are noted for this product.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

<table>
<thead>
<tr>
<th>Issued By</th>
<th>Helen O'Reilly</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision Date</td>
<td>APRIL 2013</td>
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<tr>
<td>Revision</td>
<td>7</td>
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<tr>
<td>SDS No.</td>
<td>10535</td>
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<tr>
<td>Risk Phrases in Full</td>
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<tr>
<td>R12</td>
<td>Extremely flammable.</td>
</tr>
<tr>
<td>R65</td>
<td>Harmful: may cause lung damage if swallowed.</td>
</tr>
<tr>
<td>R66</td>
<td>Repeated exposure may cause skin dryness or cracking.</td>
</tr>
<tr>
<td>R51/53</td>
<td>Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</td>
</tr>
<tr>
<td>R67</td>
<td>Vapours may cause drowsiness and dizziness.</td>
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<tr>
<td>Hazard Statements in Full</td>
<td></td>
</tr>
<tr>
<td>EUH066</td>
<td>Repeated exposure may cause skin dryness or cracking.</td>
</tr>
<tr>
<td>H222</td>
<td>Extremely flammable aerosol.</td>
</tr>
<tr>
<td>H225</td>
<td>Highly flammable liquid and vapour.</td>
</tr>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways.</td>
</tr>
<tr>
<td>H336</td>
<td>May cause drowsiness or dizziness.</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.