SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product form: Substance
Substance name: LA-CO® ZOOM SPOUT® OILER

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Main use category: Industrial use, Professional use
Use of the substance/mixture: Lubricant.

1.2.2. Uses advised against
No additional information available

1.3. Details of the supplier of the safety data sheet
LA-CO Industries Europe S.A.S.
Parc Industriel de la Plaine de l’Ain - Allée des Combés.
01150.BLYES.France.
Phone: +33 (0)4 74 46 23 23
Fax: +33 (0)4 74 46 23 29
E-mail: info@eu.laco.com
Web: http://www.markal.com

1.4. Emergency telephone number

<table>
<thead>
<tr>
<th>EU Member State</th>
<th>Officiele adviesorgaan</th>
<th>Adres</th>
<th>Noodnummer</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUSTRIA</td>
<td>Vergiftungsinformationszentrale (Poisons Information Centre)</td>
<td>Geurtel 18-20 1090 Wien</td>
<td>+43 1 406 43 43</td>
</tr>
<tr>
<td>BELARUS</td>
<td>The Belarus Republican Poisons Centre</td>
<td>Kohevalova 58 Minsk</td>
<td>+375 (0)17 201 9158</td>
</tr>
<tr>
<td>BELGIUM</td>
<td>Centre Anti-Poisons/Antigifcentrum</td>
<td>Rue Bruyn 1 B - 1120 Brussels/Brussel</td>
<td>+32 70 245 245</td>
</tr>
<tr>
<td>BULGARIA</td>
<td>Национален токсикологичен информационен център</td>
<td>21 Totoben Boulevard 1606 SOFCIA</td>
<td>+359 2 9154 409</td>
</tr>
<tr>
<td>CROATIA</td>
<td>Poisons Control Centre Institute of Medical Research &amp; Occupational Health</td>
<td>Ksaverska Cesta 2 P.O. Box 291 HR-10000 Zagreb</td>
<td>+385 1 234 8342</td>
</tr>
<tr>
<td>CZECH REPUBLIC</td>
<td>Toxikologické informační středisko Clinic For Occupational Medicine, 1st Medical Faculty, Charles University</td>
<td>Na Boží 1 120 00 Praha 2</td>
<td>+42 2 2491 9293</td>
</tr>
<tr>
<td>DENMARK</td>
<td>Giftlinjen Bispebjerg Hospital</td>
<td>Bispebjerg Bakke 23, 60, 1 DK-2400 Keberhavn NV</td>
<td>+45 82 12 12 12</td>
</tr>
<tr>
<td>ESTONIA</td>
<td>Mürgistustabekeskus</td>
<td>Gonsior 29 15027 Tallinn</td>
<td>+372 626 93 90</td>
</tr>
<tr>
<td>FINLAND</td>
<td>Myrkytystietokeskus</td>
<td>P.O.B 340 (Haartmaninkatu 4) HUS SF - 00029 Helsinki</td>
<td>+358 9 471 977</td>
</tr>
<tr>
<td>FRANCE</td>
<td>ORFILA</td>
<td></td>
<td>+33 1 45 42 59 59</td>
</tr>
<tr>
<td>GERMANY</td>
<td>Berliner Betrieb für Zentrale Gesundheitliche Aufgaben</td>
<td>Oranierburger Strasse 285 13437 Berlin</td>
<td>+49 30 19240</td>
</tr>
<tr>
<td>GERMANY</td>
<td>Informations und Beratungszentrum für Vergiftungsfälle</td>
<td>Kirberger Straße, Gebäude D 66421 Homburg/Saar</td>
<td>+49 6841 19240</td>
</tr>
<tr>
<td>GERMANY</td>
<td>Beratungsstelle bei Vergiftungen, Klinische Toxikologie und Beratungsstelle bei Vergiftungen</td>
<td>Langenbeckstrasse 1 55131 Mainz</td>
<td>+49 6131 19240</td>
</tr>
<tr>
<td>GREECE</td>
<td>Poisons Information Centre</td>
<td>11527 Athens</td>
<td>+30 10 779 3777</td>
</tr>
<tr>
<td>HUNGARY</td>
<td>Országos Kémiai Biztonsági Intézet (National Institute of Chemical Safety) Egészsegügyi Toxikológiai Tájékoztató Szolgálat (Health Toxicological Information Service)</td>
<td>1437 Budapest PO Box 839 1097 Budapest, Nagyvárad tér 2</td>
<td>+36 80 20 11 99</td>
</tr>
<tr>
<td>ICELAND</td>
<td>Eitrunarmístöðin</td>
<td>Eitrunarmístöðin 108 Reykjavik</td>
<td>+354 543 22 22</td>
</tr>
<tr>
<td>IRELAND</td>
<td>National Poisons Information Centre</td>
<td>Beaumont Hospital PO Box 1297</td>
<td>+353 1 809 2166</td>
</tr>
<tr>
<td>LATVIA</td>
<td>Valsts Toksikoloģijas centra Sainēšanās un zāļu informācijas centrs</td>
<td>2 Hipocrete Street LV 1038 Riga</td>
<td>+371 67 04 24 73</td>
</tr>
</tbody>
</table>
LA-CO® ZOOM SPOUT® OILER
Safety Data Sheet
according to Regulation (EC) No. 453/2010

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified

Adverse physicochemical, human health and environmental effects
No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]
EUH phrases: EUH210 - Safety data sheet available on request

2.3. Other hazards
No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Name: LA-CO® ZOOM SPOUT® OILER

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum),</td>
<td>(CAS No 64742-54-7</td>
<td>95 -</td>
<td>Not classified (DMSO &lt;3%)</td>
</tr>
<tr>
<td>hydrotreated heavy paraffinic</td>
<td>(EC no 265-157-1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(EC index no 649-467-00-8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Full text of R-, H- and EUH--phrases: see section 16

3.2. Mixture
Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact: Wash with plenty of soap and water.

First-aid measures after eye contact: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion: Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

Symptoms/injuries: Not expected to present a significant hazard under anticipated conditions of normal use.

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

All treatments should be based on observed signs and symptoms of distress in the patient.
SECTION 5: Firefighting measures

5.1. Extinguishing media
Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture
Fire hazard: No particular fire or explosion hazard.

5.3. Advice for firefighters
Firefighting instructions: Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus. Wear fire/flame resistant/retardant clothing. EN 469.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
General measures: Avoid contact with skin and eyes.

6.1.1. For non-emergency personnel
Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders
Emergency procedures: Ventilate area.

6.2. Environmental precautions
Avoid release to the environment. Do not discharge into drains or the environment.

6.3. Methods and material for containment and cleaning up
For containment: Absorb and/or contain spill with inert material, then place in suitable container.
Methods for cleaning up: Take up in non-combustible absorbent material and shove into container for disposal.

6.4. Reference to other sections
Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Avoid breathing vapours. Avoid contact with skin and eyes.
Hygiene measures: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Store in a cool and well-ventilated place. Keep container closed when not in use.

7.3. Specific end use(s)
Lubricant.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Italy - Portugal - USA ACGIH ACGIH TWA (mg/m³)</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>Italy - Portugal - USA ACGIH ACGIH STEL (mg/m³)</td>
<td>10 mg/m³</td>
</tr>
</tbody>
</table>

8.2. Exposure controls
Appropriate engineering controls: Avoid creating mist or spray. Avoid splashing. Either local exhaust or general room ventilation is usually required.
Personal protective equipment: Avoid all unnecessary exposure.
Hand protection: In case of repeated or prolonged contact wear gloves. nitrile rubber gloves. EN 374.
Eye protection: In case of splashing or aerosol production: protective goggles. EN 166.
Respiratory protection: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Use an approved respirator equipped with oil/mist cartridges. EN 12083.
Other information: Do not eat, drink or smoke when using this product.
SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Free &amp; clear.</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless.</td>
</tr>
<tr>
<td>Odour</td>
<td>petroleum.</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>&lt; -18 °C</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 150 °C</td>
</tr>
<tr>
<td>Self ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>&lt; 1 mm Hg</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.86 - 0.87</td>
</tr>
<tr>
<td>Solubility</td>
<td>insoluble in water.</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>31.8 cSt @ 40 °C</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
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</table>

9.2. Other information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOC content</td>
<td>0 %</td>
</tr>
</tbody>
</table>

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials


10.6. Hazardous decomposition products


SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Not classified (Based on available data, the classification criteria are not met)</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
<td>&gt; 5.53 mg/l/4h</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not classified (Based on available data, the classification criteria are not met)</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not classified (Based on available data, the classification criteria are not met)</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>Not classified (Based on available data, the classification criteria are not met)</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified (Based on available data, the classification criteria are not met)</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified. (Based on available data, the classification criteria are not met)</td>
</tr>
</tbody>
</table>
Reproductive toxicity: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure): Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure): Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard: Not classified (Based on available data, the classification criteria are not met)

SECTION 12: Ecological information

12.1. Toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>EC50 Daphnia 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</td>
<td>&gt; 10000 mg/l</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

<table>
<thead>
<tr>
<th>Component</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</td>
<td>This substance/mixture does not meet the PBT criteria of REACH, annex XIII.</td>
<td>This substance/mixture does not meet the vPvB criteria of REACH, annex XIII.</td>
</tr>
</tbody>
</table>

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Sewage disposal recommendations: Do not dispose of waste into sewer.
Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.
EURLW code: For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

14.1. UN number

Not considered a dangerous good for transport regulations

14.2. UN proper shipping name

Proper Shipping Name (ADR): 

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information: No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Inland waterway transport

Carriage prohibited (ADN): No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations
LA-CO® ZOOM SPOUT® OILER
Safety Data Sheet
according to Regulation (EC) No. 453/2010

No REACH Annex XVII restrictions
LA-CO® ZOOM SPOUT® OILER is not on the REACH Candidate List
Contains no REACH candidate substance
LA-CO® ZOOM SPOUT® OILER is not on the REACH Annex XIV List
Contains no REACH Annex XIV substances.

VOC content : 0 %

15.1.2. National regulations
Germany
Water hazard class (WGK) : 1 - slightly hazardous to water
WGK remark : Classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS)

15.2. Chemical safety assessment
No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:
Revised format. Revised sections: 1 - 16.

Data sources
ACGIH 2000.
Canadian Centre for Occupational Health and Safety. Accessed at:
ESIS (European chemical Substances Information System; accessed at:
European Chemicals Agency (ECHA) Registered Substances list. Accessed at:
TSCA Chemical Substance Inventory. Accessed at:

Abbreviations and acronyms
ACGIH (American Conference of Government Industrial Hygienists).
ATE: Acute Toxicity Estimate.
CAS (Chemical Abstracts Service) number.
CLP: Classification, Labelling, Packaging.
EC50: Environmental Concentration associated with a response by 50% of the test population.
GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).
LD50: Lethal Dose for 50% of the test population.
OSHA: Occupational Safety & Health Administration.
PBT: Persistent, Bioaccumulative, Toxic.
PNEC: Predicted No Effect Level.
STEL: Short Term Exposure Limits.
TSCA: Toxic Substances Control Act.
TWA: Time Weight Average.

Other information
None.

SDS Prepared by: The Redstone Group, LLC
6397 Emerald Pkwy.
Suite 200
Dublin, OH USA 43016
T 614-923-7472
www.redstonegrp.com

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.