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

1.1. Product identifier
Code: 94388
Product name: ERCOLINA SPRAY 400mL

1.2. Relevant identified uses of the substance or mixture and uses advised against
Intended use: LUBRICANT GREASE FOR INDUSTRIAL USE.

Identified Uses
<table>
<thead>
<tr>
<th>Industrial</th>
<th>Professional</th>
<th>Consumer</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDUSTRIAL MAINTENANCE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1.3. Details of the supplier of the safety data sheet
Name: RONIX S.R.L.
Full address: VIA DEI RANGERS, 2
District and Country: 04012 CISTerna di LATINA (LT) ITALY
tel. fax: 06.96911032

e-mail address of the competent person
responsible for the Safety Data Sheet: info@ronix.it

1.4. Emergency telephone number
For urgent inquiries refer to: ++39022409510 Monday to Friday from 8,30 to 12 and from 14 to 18

SECTION 2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:
Aerosol, category 1
H222 Extremely flammable aerosol.
H229 Pressurised container: may burst if heated.

2.2. Label elements.

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:

Signal words: Danger
Hazard statements:

H222  Extremely flammable aerosol.
H229  Pressurised container: may burst if heated.

Precautionary statements:

P210  Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211  Do not spray on an open flame or other ignition source.
P251  Do not pierce or burn, even after use.
P410-P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.

2.3. Other hazards.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%.

SECTION 3. Composition/information on ingredients.

3.1. Substances.
Information not relevant.

3.2. Mixtures.
Contains:

<table>
<thead>
<tr>
<th>Identification</th>
<th>Conc. %</th>
<th>Classification 1272/2008 (CLP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PETROLEUM DISTILLATE</td>
<td>10 - 15</td>
<td>Asp. Tox. 1 H304, EUH066</td>
</tr>
<tr>
<td>CAS.  -</td>
<td></td>
<td></td>
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<tr>
<td>CE.  918-481-9</td>
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<tr>
<td>INDEX.  -</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nr. Reg.  01-2119457273-39</td>
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<tr>
<td>PROPANE</td>
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<tr>
<td>CAS.  74-98-6</td>
<td>15 - 30</td>
<td>Flam. Gas 1 H220, Note U</td>
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<tr>
<td>EC.  200-827-9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INDEX.  601-003-00-5</td>
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<tr>
<td>Reg. no.  01-2119486944-21-xxxx</td>
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</tr>
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</table>

BUTANE

| CAS.  106-97-8          | 5 - 15  | Flam. Gas 1 H220, Note C U      |
| EC.  203-448-7          |         |                                 |
| INDEX.  601-004-00-0    |         |                                 |
| Reg. no.  01-2119474691-32-xxxx |   |                                 |

Iso-BUTANE

| CAS.  75-28-5          | 1 - 5   | Flam. Gas 1 H220, Note C        |
| EC.  200-857-2         |         |                                 |
| INDEX.  601-004-00-0   |         |                                 |

Note: Upper limit is not included into the range.
The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures.

4.1. Description of first aid measures.

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

For symptoms and effects caused by the contained substances, see chap. 11.

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

Information not available.

SECTION 5. Firefighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT
The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.
UNSUITABLE EXTINGUISHING EQUIPMENT
None in particular.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
If overheated, aerosol cans can deform, explode and be propelled considerable distances. Put a protective helmet on before approaching the fire. Do not breathe combustion products.

5.3. Advice for firefighters.

GENERAL INFORMATION
Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS
Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).
SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. Send away individuals who are not suitably equipped. Wear protective gloves / protective clothing / eye protection / face protection.

6.2. Environmental precautions.

Do not disperse in the environment.

6.3. Methods and material for containment and cleaning up.

Use inert absorbent material to soak up leaked product. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Avoid bunching of electrostatic charges. Do not spray on flames or incandescent bodies. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Do not eat, drink or smoke during use. Do not breathe spray.

7.2. Conditions for safe storage, including any incompatibilities.

Store in a place where adequate ventilation is ensured, away from direct sunlight at a temperature below 50°C/122°F, away from any combustion sources.

7.3. Specific end use(s).

Information not available.

SECTION 8. Exposure controls/personal protection.

8.1. Control parameters.

Regulatory References:

<table>
<thead>
<tr>
<th>DEU</th>
<th>Deutschland</th>
<th>MAK-und BAT-Werte-Liste 2012</th>
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<tbody>
<tr>
<td>ESP</td>
<td>España</td>
<td>INSHT - Limites de exposición profesional para agentes químicos en España 2015</td>
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</table>
## Material Safety Data Sheet

**Cod. 94388 ERCOLINA SPRAY 400mL**

### PROPANE

**Threshold Limit Value.**

<table>
<thead>
<tr>
<th>Type</th>
<th>Country</th>
<th>TWA/8h mg/m³</th>
<th>ppm</th>
<th>STEL/15min mg/m³</th>
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<td>1800</td>
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<td>4000</td>
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<tr>
<td>MAK</td>
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<tr>
<td>TLV</td>
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<td>TLV-ACGIH</td>
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<td></td>
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</table>

### BUTANE

**Threshold Limit Value.**

<table>
<thead>
<tr>
<th>Type</th>
<th>Country</th>
<th>TWA/8h mg/m³</th>
<th>ppm</th>
<th>STEL/15min mg/m³</th>
<th>ppm</th>
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<tr>
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<td>FRA</td>
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<td>750</td>
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<tr>
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<td>GRC</td>
<td>2350</td>
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<tr>
<td>TLV-ACGIH</td>
<td>2377</td>
<td></td>
<td></td>
<td></td>
<td>1000</td>
</tr>
</tbody>
</table>

**Legend:**

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

### 8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

**HAND PROTECTION**

None required.

**SKIN PROTECTION**

Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

**EYE PROTECTION**

Wear airtight protective goggles (see standard EN 166).

**RESPIRATORY PROTECTION**

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, a mask with a type AX filter combined with a type P filter should be worn (see standard EN 14387).

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

**ENVIRONMENTAL EXPOSURE CONTROLS.**
The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

**SECTION 9. Physical and chemical properties.**

9.1. Information on basic physical and chemical properties.

- **Appearance:** aerosol
- **Colour:** clair
- **Odour:** mild
- **Odour threshold:** Not available.
- **pH:** Not available.
- **Melting point / freezing point:** < -4 °C.
- **Initial boiling point:** Not available.
- **Boiling range:** Not available.
- **Flash point:** Not available.
- **Evaporation Rate:** n.a.
- **Flammability of solids and gases:** flammable gas
- **Lower inflammability limit:** Not applicable.
- **Upper inflammability limit:** Not applicable.
- **Lower explosive limit:** Not applicable.
- **Upper explosive limit:** Not applicable.
- **Vapour pressure:** 4250 mmHg
- **Vapour density:** <1 (Ar/a = 1)
- **Relative density:** 0.680 Kg/l
- **Solubility:** soluble in organic solvents
- **Partition coefficient: n-octanol/water:** n.a.
- **Auto-ignition temperature:** > 270 °C.
- **Decomposition temperature:** Non definita
- **Viscosity:** >200 Rif.Olio Base
- **Explosive properties:** not applicable
- **Oxidising properties:** not applicable

9.2. Other information.

- **Solid content:** 50,60 %
- **VOC (Directive 2010/75/EC):** 50,00 % - 340,00 g/litre.
- **VOC (volatile carbon):** Not available.

**SECTION 10. Stability and reactivity.**

10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.
10.4. Conditions to avoid.
Avoid overheating.

10.5. Incompatible materials.
Strong reducing or oxidising agents, strong acids or alkalis, hot material.

10.6. Hazardous decomposition products.
Information not available.

SECTION 11. Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled carefully according to good industrial practices. This product may have slight health effects on sensitive people, by inhalation and/or cutaneous absorption and/or contact with eyes and/or ingestion.

11.1. Information on toxicological effects.

Information not available.

SECTION 12. Ecological information.

No specific data are available for this product. Handle it according to good working practices. Avoid littering. Do not contaminate soil and waterways. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation. Please take all the proper measures to reduce harmful effects on aquifers.

12.1. Toxicity.

PETROLEUM DISTILLATE
EC50 - for Crustacea. < 50,3 mg/l/48h
EC50 - for Algae / Aquatic Plants. < 13,4 mg/l/72h

12.2. Persistence and degradability.

PETROLEUM DISTILLATE
Rapidly biodegradable.

BUTANE
Solubility in water. mg/l 0,1 - 100
Rapidly biodegradable.

PROPANE
Solubility in water. mg/l 0,1 - 100
Rapidly biodegradable.

12.3. Bioaccumulative potential.

BUTANE  
Partition coefficient: n-octanol/water: 1.09

PROPANE  
Partition coefficient: n-octanol/water: 1.09

12.4. Mobility in soil.

Information not available.

12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects.

Information not available.


Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.


14.1. UN number.

ADR / RID, IMDG: 1950
IATA:

14.2. UN proper shipping name.

ADR / RID: AEROSOLS, FLAMMABLE
IMDG: AEROSOLS
IATA: AEROSOLS, FLAMMABLE
14.3. Transport hazard class(es).

ADR / RID: Class: 2 Label: 2.1

IMDG: Class: 2 Label: 2.1

IATA: Class: 2 Label: 2.1

14.4. Packing group.

ADR / RID, IMDG, IATA: -

14.5. Environmental hazards.

ADR / RID: NO
IMDG: NO
IATA: NO

14.6. Special precautions for user.

ADR / RID: HIN - Kermel: --

IMDG: Special Provision: -

EMS: F-D, S-U

IATA: Cargo:
Pass: Special Instructions:

Limited
Quantities: 1
L

Tunnel
restriction
code: (D)

Limited
Quantities: 1
L

Maximum
quantity: 150
Kg

Packaging
instructions: 203

Maximum
quantity: 75
Kg

Packaging
instructions: 203

A145, A167,
A802

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

Information not relevant.

SECTION 15. Regulatory information.

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

Seveso category: 91

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Product:
Point: 40
Substances in Candidate List (Art. 59 REACH).
None.

Substances subject to authorisation (Annex XIV REACH).
None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012.
None.

Substances subject to the Rotterdam Convention:
None.

Substances subject to the Stockholm Convention:
None.

Healthcare controls.
Information not available.

15.2. Chemical safety assessment.
No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

- Flam. Gas 1 Flammable gas, category 1
- Aerosol 1 Aerosol, category 1
- Aerosol 3 Aerosol, category 3
- Flam. Liq. 2 Flammable liquid, category 2
- Asp. Tox. 1 Aspiration hazard, category 1
- Skin Irrit. 2 Skin irritation, category 2
- STOT SE 3 Specific target organ toxicity - single exposure, category 3
- Aquatic Acute 1 Hazardous to the aquatic environment, acute toxicity, category 1
- Aquatic Chronic 1 Hazardous to the aquatic environment, chronic toxicity, category 1
- H220 Extremely flammable gas.
- H222 Extremely flammable aerosol.
- H229 Pressurised container; may burst if heated.
- H255 Highly flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
Material Safety data sheet

Cod. 94388 ERCOLINA SPRAY 400mL

H400
Very toxic to aquatic life.

H410
Very toxic to aquatic life with long lasting effects.

LEGEND:
- ADR: Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESI (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German)

GENERAL BIBLIOGRAPHY
2. Regulation (EU) 1272/2008 (CLP) of the European Parliament
6. Regulation (EU) 818/2012 (III Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- The Merck Index - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- ECHA website

Note for users:
The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property. The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review:
The following sections were modified:
09.

Data: 30/06/2016
FIRMA: CERSTN DI LATINA (LT)
Via del Regnistro, 29 - Tel. 06.28911032
Partita I.V.A. n. 02091260983