1. Identification of the substance/preparation and the company/undertaking

Trade name  COSMACOL/ELI

INCI  C12-13 ALKYL LACTATE
Use  raw material for cosmetic agents
Company  Sasol Italy S.p.A.
Via Medici del Vascello 26
20138 Milano

Information (Product safety):  +39-02-584531  Fax: +39-02-58453205
e-mail address  enrico.dallara@it.sasol.com
Emergency telephone number  Terranova dei Passerini +39-0377 463-300

2. Hazards identification

Particular risks to human beings and the environment
No hazards to be specially mentioned.

3. Composition/information on ingredients

Propanoic acid, 2-hydroxy-, C12-15-alkyl esters
Concentration:  >= 88,00 %
CAS-No.: 93925-36-1  Index-No.:  EC-No. 300-338-1
Symbol(s)  R-phrase(s):  For the full text of the R phrases mentioned in this Section, see Section 16.
Other data  The substance is listed in the EINECS Inventory.

4. First aid measures

General advice  No hazards which require special first aid measures
Inhalation  Move to fresh air in case of accidental inhalation of fumes from overheating or combustion.
Skin contact  Wash off with soap and plenty of water.
Eye contact  Rinse immediately with plenty of water for at least 15 minutes.

5. Fire-fighting measures

Specific hazards during fire fighting  In case of fire hazardous decomposition products may be produced such as: CO
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**COSMACOL/ELI**

**Version 10.00**  
**Revision Date 14.04.2010**

### Special protective equipment for firefighters
- Wear self-contained breathing apparatus and protective suit.

### Further information
- Standard procedure for chemical fires. In the event of fire, cool tanks with water spray. In the event of fire and/or explosion do not breathe fumes.

### 6. Accidental release measures

<table>
<thead>
<tr>
<th>Personal precautions</th>
<th>Use personal protective equipment. Remove all sources of ignition.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental precautions</td>
<td>Avoid subsoil penetration. Do not let product enter drains. Clean contaminated floors and objects thoroughly while observing environmental regulations. Local authorities should be advised if significant spillages cannot be contained.</td>
</tr>
<tr>
<td>Methods for cleaning up</td>
<td>Clean contaminated surface thoroughly. The material taken up must be disposed of in accordance with regulations.</td>
</tr>
</tbody>
</table>

### 7. Handling and storage

#### HANDLING
- **Safe handling advice**  
  Wear personal protective equipment. Smoking, eating and drinking should be prohibited in the application area.

#### STORAGE
- **Requirements for storage areas and containers**  
  Keep container tightly closed in a dry and well-ventilated place.
- **Packaging material**  
  Suitable material: Steel, plastic receptacles

### 8. Exposure controls / personal protection

#### COMPONENTS WITH WORKPLACE CONTROL PARAMETERS
- no data available

#### ENGINEERING MEASURES
- Provide sufficient air exchange and/or exhaust in work rooms.

#### PERSONAL PROTECTIVE EQUIPMENT
- **Respiratory protection**  
  No personal respiratory protective equipment normally required.
- **Hand protection**  
  General advice:  
  Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the material.
gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Eye protection tightly fitting safety goggles
Skin and body protection protective suit

9. Physical and chemical properties

Form liquid; 20 °C; 1.013 hPa
 Colour colourless
 Odour characteristic
 Melting point/range ca. -20 °C; 1.013 hPa
 Boiling point/range > 250 °C; 1.013 hPa
 Flash point ca. 158 °C; 1.013 hPa
 Ignition temperature no data available
 Autoignition temperature no data available
 Explosive properties Not explosive

Vapour pressure no data available
Density ca. 0.915 g/cm3; 20 °C; 1.013 hPa
Water solubility 20 °C; 1.013 hPa; negligible
Partition coefficient (n-octanol/water) log Pow: > 3; 20 °C
Solubility in other solvents ; 20 °C Alcohol; negligible
Solubility in other solvents ; 20 °C Acetone; partly soluble
Solubility in other solvents ; 20 °C Hydrocarbons; soluble
Viscosity, dynamic ca. 21 mPa.s; 20 °C

10. Stability and reactivity

Materials to avoid strong oxidizing agents
Hazardous decomposition products No decomposition if stored normally.
Thermal decomposition Stable under normal conditions.
11. Toxicological information

<p>| | |</p>
<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Acute oral toxicity</td>
<td>LD50: &gt; 5.000 mg/kg;</td>
</tr>
<tr>
<td>Acute dermal toxicity</td>
<td>LD50: &gt; 2.000 mg/kg;</td>
</tr>
<tr>
<td>Skin irritation</td>
<td>not irritating;</td>
</tr>
<tr>
<td>Eye irritation</td>
<td>not irritating;</td>
</tr>
<tr>
<td>Sensitization</td>
<td>not sensitizing;</td>
</tr>
<tr>
<td>Assessment of mutagenicity</td>
<td>Not mutagenic in AMES Test</td>
</tr>
</tbody>
</table>

12. Ecological information

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<table>
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<tr>
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<tbody>
<tr>
<td>Biodegradability</td>
<td>Readily biodegradable.; 70 %; 10 d; OECD Guideline 301 F 82,2 %; 28 d</td>
</tr>
</tbody>
</table>

**ECOTOXICITY EFFECTS**

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Toxicity to fish</td>
<td>LC50 Brachydanio rerio: &gt; 100 mg/l; 96 hours; OECD Test Guideline 203</td>
</tr>
<tr>
<td>Toxicity to daphnia</td>
<td>EC50 Daphnia magna: 22,5 mg/l; 48 hours; OECD Test Guideline 202</td>
</tr>
<tr>
<td>Toxicity to algae</td>
<td>EC50 scenedesmus subspicatus: 63,8 mg/l; 72 hours; OECD Test Guideline 201</td>
</tr>
</tbody>
</table>

13. Disposal considerations

<p>| | |</p>
<table>
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<tr>
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<tbody>
<tr>
<td>Product</td>
<td>Can be incinerated, when in compliance with local regulations.</td>
</tr>
</tbody>
</table>

14. Transport information

<p>| | |</p>
<table>
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<tbody>
<tr>
<td>Further Information</td>
<td>Not classified as dangerous in the meaning of transport regulations.</td>
</tr>
</tbody>
</table>

15. Regulatory information

**LABELLING**

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<table>
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<tbody>
<tr>
<td>Additional advice</td>
<td>Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 99/45/EC. The product does not need to be labelled in accordance with EC directives or respective national laws.</td>
</tr>
<tr>
<td>Notification status</td>
<td>DSL; y (positive listing)</td>
</tr>
<tr>
<td></td>
<td>INV (CN); y (positive listing)</td>
</tr>
<tr>
<td></td>
<td>AICS; y (positive listing)</td>
</tr>
<tr>
<td></td>
<td>PICCS (PH); y (positive listing)</td>
</tr>
<tr>
<td></td>
<td>NDSL; n (Negative listing)</td>
</tr>
<tr>
<td></td>
<td>EINECS; y (positive listing)</td>
</tr>
</tbody>
</table>
16. Other information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

This safety data sheet only contains safety-relevant information and does not replace any product information or product specification.