GPS Safety Summary
Alcohols, C13-15-branched and linear

This Product Safety Summary is intended to provide a general overview of the chemical substance. It contains basic information and is not intended to provide emergency response information, medical information or treatment information. The summary cannot be relied on to provide in-depth safety and health information. This information must be obtained from the Material Safety Data Sheet ((M)SDS) for this chemical substance. Before handling or using Alcohols, C13-15-branched and linear the relevant (M)SDS has to be consulted.

Chemical Identity

Name: Alcohols, C13-15-branched and linear

CAS number: 85566-16-1

Molecular formula: C_{13}H_{27}OH - C_{15}H_{31}OH

Structure:
Not applicable since substance is an UVCB

IUPAC name:
Alcohols, C13-C15 branched and linear; reaction products of C12-C14 olefines

BASF brand names:
C13-C15 Alcohol

Product Description and Uses

Alcohols, C13-15-branched and linear, is a high boiling, clear, oily liquid. It is miscible with the most common organic solvents, but almost insoluble in water. It is mainly used as a starting material for the production of surfactants. The product may also serve as a solubilizer or emulsifying agent for oils and waxes. Low proportions of the substance suppress foaming in aqueous systems in the textile, paper or coatings industry. The significance of the substance as solvent is limited.
### Health Information

#### Human Health Safety Assessment

<table>
<thead>
<tr>
<th>Effect Assessment</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Acute Toxicity</strong></td>
<td>Of low toxicity after single ingestion. Virtually nontoxic after short-term inhalation. Virtually nontoxic after short-term skin contact. The statements have been derived from products of a similar structure or composition.</td>
</tr>
<tr>
<td><strong>Irritation</strong></td>
<td>Irritating to the skin. Not irritating to the eyes.</td>
</tr>
<tr>
<td><strong>Sensitization</strong></td>
<td>Not considered to cause skin sensitizing effects. The statement has been derived from products of a similar structure or composition.</td>
</tr>
<tr>
<td><strong>Mutagenicity</strong></td>
<td>Not considered to be mutagenic.</td>
</tr>
<tr>
<td><strong>Carcinogenicity</strong></td>
<td>Not considered to be carcinogenic.</td>
</tr>
<tr>
<td><strong>Toxicity after repeated exposure</strong></td>
<td>Not considered to be toxic after repeated exposure. The statement has been derived from products of a similar structure or composition.</td>
</tr>
<tr>
<td><strong>Toxicity for reproduction</strong></td>
<td>Not considered to be toxic for reproduction. The statement has been derived from products of a similar structure or composition.</td>
</tr>
</tbody>
</table>

Note: For more information on the health hazards of this substance and recommended protective equipment, please refer to the relevant (M)SDS

### Environmental Information

#### Environment Safety Assessment

<table>
<thead>
<tr>
<th>Effect Assessment</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aquatic Toxicity</strong></td>
<td>Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td><strong>Persistence and degradability</strong></td>
<td>Readily biodegradable</td>
</tr>
<tr>
<td><strong>Bioaccumulation potential</strong></td>
<td>Does not significantly accumulate in organisms.</td>
</tr>
</tbody>
</table>

Note: For more information on the environmental hazards of this substance and recommended measures, please refer to the (M)SDS

Date of Issue: 01. July 2011
Physical/Chemical Properties

Phys/Chem Safety Assessment

- Alcohols, C13-15-branched and linear, is a high boiling, clear, oily liquid. It is miscible with the most common organic solvents, but almost insoluble in water. It is non flammable.

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Melting / freezing point</td>
<td>2 – 7°C</td>
</tr>
<tr>
<td>Boiling point</td>
<td>276 – 298°C at 1013.25 hPa</td>
</tr>
<tr>
<td>Flash point</td>
<td>142°C</td>
</tr>
<tr>
<td>Flammability</td>
<td>Non flammable upon ignition</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Non explosive</td>
</tr>
<tr>
<td>Self-ignition temperature</td>
<td>240°C</td>
</tr>
</tbody>
</table>

Note: For further information, see the relevant (M)SDS

Exposure Potential

Alcohols, C13-15-branched and linear is an industrial solvent and chemical intermediate. Although BASF does not sell this substance for direct consumer use or directly to consumers, the public at large or consumers may be exposed to it from processing or use as a raw material for a variety of goods used by consumers or professionals. Based on the uses of this substance the public could be exposed through:

- **Workplace exposure**: Exposure can occur either in facilities that manufacture Alcohols, C13-15-branched and linear, or in the various industrial facilities that use this product. Based on the applications in which it is used, occupational exposure to Alcohols, C13-15-branched and linear, may occur by skin contact. Each industrial facility should have a thorough training program for employees and appropriate work processes and safety equipment in place to limit unnecessary exposure to Alcohols, C13-15-branched and linear.

- **Consumer exposure**: Consumer exposure to Alcohols, C13-15-branched and linear, could result from handling products that contain this substance e.g. paints, ink and adhesives.
Alcohols, C13-15-branched and linear would be generally present in consumer products in low concentrations and is not likely to pose a health risk. The use of these products is safe as long as the instructions provided by the manufacturer of the respective product are followed carefully.

- **Environmental exposure:** Alcohols, C13-15-branched and linear will almost entirely be removed by biodegradation during waste water treatment processes. Insignificant amounts that may reach surface water will not exist in the environment for extended time periods due to biodegradation. However as mentioned above the chemical is considered to be acutely and chronically very toxic to aquatic life and therefore uses were assessed within the scope of an exposure assessment. Conclusively, all identified uses are safe for the environment based on the scientific facts summarized above and when carried out in compliance with recommended risk management measures and applicable regulations.

**Recommended Handling Measures**

Before handling or using this substance, please consult the relevant (M)SDS. It contains the required handling measures, emergency response information, medical information or treatment information.

**Regulatory Information / Classification and Labelling**

Regulations exist that govern manufacture, sales, transportation, use and disposal of Alcohols, C13-15-branched and linear. These regulations may vary by city, state, country or geographic region. Information on these issues may be found in the relevant (M)SDS.

Alcohols, C13-15-branched and linear was registered under REACH Regulation in the EU.

Under GHS substances are classified according to their physical, health, and environmental hazards. The hazards are communicated via specific labels and the (M)SDS. GHS attempts to standardize hazard communication so that the intended audience (workers, consumers, transport workers, and emergency responders) can better understand the hazards of the chemicals in use.
Labeling according to UN GHS
UN GHS is the basis for country specific GHS labeling

Signal word
Danger

Hazard statements:

H303  May be harmful if swallowed
H315  Causes skin irritation
H400  Very toxic to aquatic life
H410  Very toxic to aquatic life with long lasting effects

Additional information

1. IFA GESTIS-database on hazardous substances
   http://www.dguv.de/ifa/en/gestis/stoffdb/index.jsp

2. Information on registered substance (ECHA)

Most commonly used synonyms

» C13-C15 Alcohol

Disclaimer

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Contact

For further information on this substance or GPS safety summaries in general, please contact: info.gps@basf.com