1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier
Product Description: Phenylethyl Alcohol Agar (PEA)
Cat No. R454302

Relevant identified uses of the substance or mixture and uses advised against
Recommended Use Laboratory chemicals
Uses advised against No Information available

Details of the supplier of the safety data sheet
Company Remel
12076 Santa Fe Drive
Lenexa, KS 66215 United States
Telephone: 1-800-255-6730
Fax: 1-800-621-8251

Supplier Oxoid Ltd.
Wade Road
Basingstoke, Hants, UK
Telephone: +44 (0) 1256 841144
Fax: 1-800-621-8251

E-mail address mbd-sds@thermofisher.com

Emergency Telephone Number
Carechem 24: +44 (0) 1865 407333

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture
REGULATION (EC) No 1272/2008
Not hazardous

Classification according to EU Directives 67/548/EEC or 1999/45/EC
For the full text of the R phrases mentioned in this Section, see Section 16
R-phrase(s) none

Label Elements

Signal Word None

Hazard Statements

Other Hazards
No information available.
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>EC No.</th>
<th>Weight %</th>
<th>CAS-No</th>
<th>Classification</th>
<th>GHSCLAS</th>
<th>REACH Reg. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phenethyl alcohol</td>
<td>EEC No. 200-456-2</td>
<td>6.5</td>
<td>60-12-8</td>
<td>Xn; R21/22 Xi; R36/38</td>
<td>Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H302) Acute Tox. 3 (H311)</td>
<td>-</td>
</tr>
</tbody>
</table>

For the full text of the R phrases mentioned in this Section, see Section 16

4. FIRST AID MEASURES

**Description of first aid measures**

**Eye Contact**
Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

**Skin Contact**
Wash off with warm water and soap. If symptoms persist, call a physician.

**Ingestion**
Clean mouth with water and afterwards drink plenty of water. Obtain medical attention.

**Inhalation**
Move to fresh air. Get medical attention if symptoms occur.

**Notes to Physician**
Treat symptomatically

5. FIRE-FIGHTING MEASURES

**Extinguishing media**

**Suitable Extinguishing Media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

**Extinguishing media which must not be used for safety reasons**
No information available.

**Special hazards arising from the substance or mixture**
Thermal decomposition can lead to release of irritating gases and vapors

**Advice for fire-fighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation. Avoid dust formation. Avoid contact with the skin and the eyes.

Environmental precautions
Prevent further leakage or spillage if safe to do so

Methods and material for containment and cleaning up
Sweep up or vacuum up spillage and collect in suitable container for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling
Ensure adequate ventilation. Do not breathe dust. Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place. Protect from moisture.

Specific End Uses

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure limits
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

<table>
<thead>
<tr>
<th>Component</th>
<th>European Union</th>
<th>The United Kingdom</th>
<th>France</th>
<th>Belgium</th>
<th>Spain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phenethyl alcohol</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Derived No Effect Level (DNEL) No information available.
Predicted No Effect Concentration (PNEC) No information available.

Exposure controls

Engineering Measures
Ensure adequate ventilation, especially in confined areas

Personal protective equipment
| Eye Protection       | Safety glasses with side-shields |
| Hand Protection      | Protective gloves                |
| Skin and body protection | Long sleeved clothing           |
Respiratory Protection
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls
No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Powder</td>
</tr>
<tr>
<td>Appearance</td>
<td>Light brown</td>
</tr>
<tr>
<td>pH</td>
<td>7.1 - 7.5</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>No information available.</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No information available.</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity
Chemical Stability
Stable under recommended storage conditions. Hygroscopic.

Possibility of Hazardous Reactions
Hazardous Polymerization
No information available
Hazardous Reactions
No information available.

Conditions to Avoid
Heat, flames and sparks

Incompatible Materials

Hazardous Decomposition Products
None under normal use

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity
Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

Component Information

<table>
<thead>
<tr>
<th>Component</th>
<th>LD50 Oral (Rat)</th>
<th>LD50 Dermal (Rabbit)</th>
<th>LC50 Inhalation (Rat, 4 h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phenethyl alcohol</td>
<td>1790 mg/kg</td>
<td>790 µL/kg</td>
<td>&gt;1.38 mg/L</td>
</tr>
</tbody>
</table>

Chronic Toxicity

Carcinogenicity

There are no known carcinogenic chemicals in this product.

Sensitization

No information available.

Mutagenic Effects

No information available.

Reproductive Effects

No information available.

Developmental Effects

No information available.

Target Organs

No information available.

Endocrine Disruptor Information

None known.

12. ECOLOGICAL INFORMATION

Toxicity

Ecotoxicity effects

<table>
<thead>
<tr>
<th>Component</th>
<th>Freshwater Algae</th>
<th>Freshwater Fish</th>
<th>Microtox</th>
<th>Water Flea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phenethyl alcohol</td>
<td>EC50=490mg/L 72 h</td>
<td>LC50=220-460 mg/L 96 h</td>
<td>EC50=1320mg/L 17 h</td>
<td>EC50=287.17mg/L 48 h</td>
</tr>
</tbody>
</table>

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

<table>
<thead>
<tr>
<th>Component</th>
<th>log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phenethyl alcohol</td>
<td>1.38</td>
</tr>
</tbody>
</table>

Mobility in soil

No information available.
No information available.

Results of PBT and vPvB assessment

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from Residues / Unused Products
Dispose of in accordance with local regulations

Contaminated Packaging
Empty containers should be taken for local recycling, recovery or waste disposal

14. TRANSPORT INFORMATION

IMDG/IMO
Not regulated

ADR
Not regulated

IATA
Not regulated

15. REGULATORY INFORMATION

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

International Inventories

<table>
<thead>
<tr>
<th>Component</th>
<th>EINECS</th>
<th>ELINCS</th>
<th>NLP</th>
<th>TSCA</th>
<th>DSL</th>
<th>NDSL</th>
<th>PICCS</th>
<th>ENCS</th>
<th>CHINA</th>
<th>AICS</th>
<th>KECL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phenethyl alcohol</td>
<td>200-456-2</td>
<td>-</td>
<td></td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory Lists
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
CHINA - China Inventory of Existing Chemical Substances
AICS - Inventory of Chemical Substances
KECL - Existing and Evaluated Chemical Substances

Chemical Safety Assessment

16. OTHER INFORMATION

Text of R phrases mentioned in Section 2-3
R20/21 - Harmful by inhalation and in contact with skin
R36/38 - Irritating to eyes and skin

Revision Date 14-Sep-2011
Revision Summary Not applicable
This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006
Disclaimer
The information provided on 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet