1. Product Identification

Synonyms: Oils, peanut; Groundnut oil
CAS No.: 8002-03-7
Molecular Weight: Not applicable to mixtures.
Chemical Formula: N/A
Product Codes: S901

2. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS No</th>
<th>Percent</th>
<th>Hazardous</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peanut Oil</td>
<td>8002-03-7</td>
<td>98 - 100%</td>
<td>Yes</td>
</tr>
</tbody>
</table>

3. Hazards Identification

Emergency Overview

WARNING! CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT.
4. First Aid Measures

**Inhalation:**
Remove to fresh air. Get medical attention for any breathing difficulty.

**Ingestion:**
If large amounts were swallowed, give water to drink and get medical advice.

**Skin Contact:**
Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.

**Eye Contact:**
Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

5. Fire Fighting Measures

**Fire:**
Flash point: 282C (540F) OC
Autoignition temperature: 443°C (829°F)
Slight fire hazard when exposed to heat or flame.

**Explosion:**
Above the flash point, explosive vapor-air mixtures may be formed.

**Fire Extinguishing Media:**
Water, dry chemical, foam or carbon dioxide.

**Special Information:**
In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

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**6. Accidental Release Measures**

Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e.g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer!

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**7. Handling and Storage**

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Keep from contact with oxidizing materials. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

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**8. Exposure Controls/Personal Protection**

**Airborne Exposure Limits:**
None established.

**Ventilation System:**
In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

**Personal Respirators (NIOSH Approved):**
If the exposure limit is exceeded and engineering controls are not feasible, a half facepiece particulate respirator (NIOSH type P95 or R95 filters) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece particulate respirator (NIOSH type P100 or R100 filters) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator
supplier, whichever is lowest. Please note that N filters are not recommended for this material. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

**Skin Protection:**
None required.

**Eye Protection:**
Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

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### 9. Physical and Chemical Properties

**Appearance:**
Colorless to pale yellow liquid.

**Odor:**
Faint pleasant odor.

**Solubility:**
Negligible (< 0.1%)

**Specific Gravity:**
0.91

**pH:**
No information found.

**% Volatiles by volume @ 21C (70F):**
0

**Boiling Point:**
No information found.

**Melting Point:**
Solidifies at about -5C. Clouds at low room temperature.

**Vapor Density (Air=1):**
No information found.

**Vapor Pressure (mm Hg):**
0 @ 20C (68F)

**Evaporation Rate (BuAc=1):**
No information found.

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### 10. Stability and Reactivity

**Stability:**
Stable under ordinary conditions of use and storage. Very slowly thickens and becomes rancid on prolonged exposure to air.

**Hazardous Decomposition Products:**
Carbon dioxide, carbon monoxide.

**Hazardous Polymerization:**
Will not occur.

**Incompatibilities:**
Strong oxidizing agents.
11. Toxicological Information

Peanut oil: human skin: 300 mg/3D intermittent, mild. Rabbit skin: 100 mg/24H moderate. Investigated as a tumorigen, mutagen.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>---NTP Carcinogen---</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peanut Oil (8002-03-7)</td>
<td>Known Anticipated IARC Category</td>
</tr>
<tr>
<td></td>
<td>No        No            None</td>
</tr>
</tbody>
</table>

12. Ecological Information

Environmental Fate:
No information found.

Environmental Toxicity:
No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not regulated.

15. Regulatory Information

--- Chemical Inventory Status - Part 1 ---

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>TSCA</th>
<th>EC</th>
<th>Japan</th>
<th>Australia</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
16. Other Information

**NFPA Ratings:** Health: 1 Flammability: 0 Reactivity: 0

**Label Hazard Warning:**
WARNING! CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT.

**Label Precautions:**
Avoid contact with eyes, skin and clothing.
Wash thoroughly after handling.
Avoid breathing dust.
Keep container closed.
Use with adequate ventilation.

**Label First Aid:**
If inhaled, remove to fresh air. Get medical attention for any breathing difficulty. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes.

**Product Use:**
Laboratory Reagent.

**Revision Information:**
No Changes.

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