1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product Identifier

Tradename: Citation™ White Mineral Oils, USP

Code: 1111112

REACH Registration No.: 01-2119487078-27-0093

1.2. Identified uses / uses advised against

Identified uses: Excipient grade lubricant, release agent for food, personal care and industrial applications

1.3. Supplier details:

Company/Address: Avatar Corporation, 500 Central Avenue, University Park, IL 60484 USA

Website: www.avatarcorp.com

Email: jproush@avatarcorp.com

Telephone/Fax: 708.534.5511 / 708.534.0123

Responsible Dept: Regulatory

1.4 Transportation emergency contact: Chem Tel 800.255.3924

2. HAZARDS IDENTIFICATION:

2.1. Classification of substance or mixture

Classification according to Regulation (EC) No.1272/2008 [CLP]: Not classified

Classification according to Directive 67/548/EEC or 1999/45/EC: Not classified

Adverse effects: At high temperatures, vapors may be generated which may be considered hazardous at concentrations exceeding 2 mg/m³.

2.2. Label elements: Not applicable

2.3. Other hazards: These substances/mixtures do not meet the PBT/vPvB criteria of REACH, annex XIII. Prolonged/repetitive skin contact may cause skin defatting or dermatitis; ingestion may have laxative effect.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substance

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>% by Wt</th>
<th>HS Tariff Classification No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral Oil, NF</td>
<td>8042-47-5</td>
<td>232-455-8</td>
<td>100</td>
<td>2710.19.45</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

4.1. General information:

Eye: Flush immediately with large amounts of water. If irritation occurs, call a physician

Skin: Wash exposed area of skin with water. If burned by contact with hot material, cool material as quickly as possible with water. See a physician for burn treatment, irritation or allergic reaction.

Ingestion: If uncomfortable or symptomatic, seek medical assistance promptly.

Inhalation: If adverse effects occur, remove to uncontaminated area. Get medical attention if symptoms persist.

4.2. Most important symptoms and effects, acute and delayed

Symptoms/injuries: High vapor concentration may induce headache, nausea, dizziness and respiratory irritation. Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

4.3. Indication of any immediate medical attention and special treatment needed: See 4.1 and 4.2.
5. FIRE FIGHTING MEASURES

5.1. Extinguishing media:
- Dry chemical, carbon dioxide, foam, steam or water fog
- Unsuitable extinguishing media: Water streams will scatter liquid and spread fire, but may be used to keep fire-exposed containers and surroundings cool.

5.2. Special hazards:
- Fire hazard: May create dense smoke during combustion
- Fire hazard: Mild fire hazard when heated above its flash point; material must be preheated before ignition will occur (OSHA Class IIIB).

5.3. Advise for firefighters:
- Firefighting instruction: Cool unaffected containers and remove to safety.
- Firefighting protection: Firefighters should wear full bunker gear, including a positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
- Personnel: Wear appropriate breathing apparatus, protective clothing gloves and eye/face protection. No smoking. Refer to section 8.
- Emergency procedures: Remove all sources of ignition. Keep away from heat/sparks/open flames/hot surfaces.

6.2. Environmental precautions
- Prevent spills from entering sewers and public waters.

6.3. Containment / Cleanup
- Containment: Dike around spill; have oil-absorbent materials readily available.
- Cleanup: Remove mechanically or contain on an absorbent material such as dry sand or earth and dispose of in accordance with current applicable regulations.

7. HANDLING AND STORAGE

7.1. Handling
- No special requirements; observe good industrial hygiene practices.

7.2. Storage
- Do not store in open or unlabeled containers. Store away from strong oxidizing agents or combustible material.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters
- Limits: OSHA PEL – 5 mg/m³ (oil mist) (1989) (1971)
- ACGIH TLV-TWA – 5 mg/m³ (oil mist)
- ACGIH TLV-STEL – 10 mg/m³ (oil mist)

8.2. Exposure controls
- Control airborne concentrations below the exposure guidelines. Provide local exhaust or general room ventilation to minimize vapor concentrations. Provide emergency eye wash fountains and safety showers.
- Eye: Wear protective goggles or face shield if splashing is possible.
- Skin: Wear protective gloves/clothing
- Inhalation: Avoid breathing mist. If ventilation is inadequate, use NIOSH/MSHA certified respirator to protect against mist.

- Environmental controls: Avoid release to the environment. Notify authorities if product enters sewers or public waters.
9. CHEMICAL AND PHYSICAL PROPERTIES

9.1. Basic physical and chemical properties

Appearance / Odor: Oily liquid / Odorless
pH: Not determined
Vapor Pressure: < 1.0 mmHg @ 20°C (68°F)
Vapor Density (Air=1): >1
Boiling Point: Not determined
Melting Point: Not applicable
Solubility: Negligible in water (below 0.1%); soluble in hydrocarbons
Specific Gravity (Water=1): 0.845 - 0.905 @ 25°C/25°C (77°F)
Pour Point: 20°F (-7°C) maximum

10. STABILITY AND REACTIVITY

10.1. Reactivity Unknown
10.2. Chemical Stability Generally stable
10.3. Hazardous reactions Hazardous polymerization will not occur
10.4. Conditions to avoid Extreme heat; contact with chlorine, fluorine, and other strong oxidizers and acids
10.5. Incompatible materials Chlorine, fluorine, and other strong oxidizers and acids
10.6. Hazardous decomposition products Incomplete burning can produce carbon monoxide and/or carbon dioxide.

11. TOXICOLOGICAL INFORMATION

11.1. Toxicity Data following is based on information from similar products, the ingredients, technical literature, and/or professional experience; Avatar Corporation does not do testing on animals.

No component of these products present at levels > 0.1% is identified as a carcinogen by the U.S. National Toxicology Program, U.S. Occupational Safety and Health Act, or the International Agency on Research on Cancer (IARC).

Dermal (rabbits): PDIS < 4.0/8.0; LD₅₀ > 2000 mg/kg
Oral (rats): LD₅₀ > 5000 mg/kg
Eye Irritation (rabbits): PEIS < 10/110.0
Skin Irritation: Not a skin sensitizer when tested
Carcinogenicity: EC CLP Note N applies. Full refining history is known and demonstrates non-carcinogenicity.

12. ECOLOGICAL INFORMATION

12.1. Toxicity When used and handled according to specifications, these products have no harmful effects according to our experience and the information provided to us.

12.2. Persistence / degradability No data available
12.3. Bioaccumulation potential No data available
12.4. Mobility in soil No data available
12.5. PBT / vPvB assessment These substances/mixtures does not meet the PBT/vPvB criteria of REACH, annex XIII.
12.6. Other adverse effects No data available
13. DISPOSAL INFORMATION
13.1. Waste treatment methods Disposal must be in accordance with applicable federal, state, or local regulations. "Empty" drums should not be given to individuals.

14. TRANSPORTATION INFORMATION

15. REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
   CERCLA Sections 102A/103 Hazardous Substances: Not reportable
   SARA Title III Section 302 Extremely Hazardous Substances: Not regulated
   SARA Title III Sections 311/312 Hazardous Categorization: None
   SARA Title III Section 313: Not regulated
   U.S. Inventory (TSCA): Listed on inventory
   OSHA Hazard Communication Standard: Listed by ACGIH, OSHA.
   WHMIS Controlled Product Classification: Not listed
   Regulation (EC) 1907/2006 as amended: Compliant
   Regulation (EC) 1272/2008 as amended: Compliant
   Directive 1999/45/EC as amended: Compliant
   Directive 67/548/EEC as amended: Compliant

   FOOD CONTACT STATUS
   FDA 21 CFR 172.878, 178.3570, 178.3620(a), 573.680: Compliant
   Kosher Certification: Compliant

15.2. Chemical safety assessment Incomplete

16. OTHER INFORMATION
This material safety data sheet and the information it contains are offered in good faith as accurate. We have reviewed any information contained in this data sheet, which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use product(s) safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

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