Material Safety Data Sheet

1. MATERIAL AND COMPANY IDENTIFICATION

Material Name: Shell Callina Fluid 1210

Manufacturer/Supplier: SOPUS Products
PO Box 4427
Houston, TX 77210-4427
USA

MSDS Request: 877-276-7285

Emergency Telephone Number
Spill Information: 877-242-7400
Health Information: 877-504-9351

2. COMPOSITION/INFORMATION ON INGREDIENTS

Highly refined mineral oils, water and additives.
The highly refined mineral oil contains <3% (w/w) DMSO-extract, according to IP346.

3. HAZARDS IDENTIFICATION

<table>
<thead>
<tr>
<th></th>
<th>Emergency Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance and Odour</td>
<td>Amber. Liquid at room temperature. Mild.</td>
</tr>
<tr>
<td>Health Hazards</td>
<td>Not classified as dangerous for supply or conveyance.</td>
</tr>
<tr>
<td>Safety Hazards</td>
<td>Not classified as dangerous for supply or conveyance.</td>
</tr>
<tr>
<td>Environmental Hazards</td>
<td>Not classified as dangerous for the environment.</td>
</tr>
</tbody>
</table>

Health Hazards
- Inhalation: Slightly irritating to respiratory system.
- Skin Contact: May cause slight irritation to skin.
- Eye Contact: May cause slight irritation to eyes.
- Ingestion: Low toxicity if swallowed.

Other Information: Used oil may contain harmful impurities.

Aggravated Medical Condition
- Pre-existing medical conditions of the following organ(s) or organ system(s) may be aggravated by exposure to this material: Skin. Respiratory system.

Environmental Hazards: Not classified as dangerous for the environment.

Additional Information: Under normal conditions of use or in a foreseeable emergency, this product meets the definition of a hazardous chemical when evaluated according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

4. FIRST AID MEASURES

General Information: Not expected to be a health hazard when used under normal conditions.
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Inhalation : No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice.

Skin Contact : Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available. If persistent irritation occurs, obtain medical attention.

Eye Contact : Flush eye with copious quantities of water. If persistent irritation occurs, obtain medical attention.

Ingestion : In general no treatment is necessary unless large quantities are swallowed, however, get medical advice.

Advice to Physician : Treat symptomatically.

5. FIRE FIGHTING MEASURES

Clear fire area of all non-emergency personnel.

Flash point : >= 196 °C / 385 °F (Cleveland Open Cup)

Upper / lower Flammability or Explosion limits : Not applicable.

Auto ignition temperature : > 150 °C / 302 °F

Specific Hazards : Considered low risk due to water content, however upon evaporation of water the product is combustible. Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds.

Suitable Extinguishing Media : Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable Extinguishing Media : Do not use water in a jet.

Protective Equipment for Firefighters : Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space.

6. ACCIDENTAL RELEASE MEASURES

Avoid contact with spilled or released material. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. See Chapter 13 for information on disposal. Observe all relevant local and international regulations.

Protective measures : Avoid contact with skin and eyes. Use appropriate containment to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers.

Clean Up Methods : Prevent from spreading by making a barrier with sand, earth or other containment material. Reclaim liquid directly or in an absorbent. Soak up residue with an absorbent such as clay, sand or other suitable material and dispose of properly.

Additional Advice : Local authorities should be advised if significant spillages cannot be contained.
7. HANDLING AND STORAGE

General Precautions: Use local exhaust ventilation if there is risk of inhalation of vapours, mists or aerosols. Properly dispose of any contaminated rags or cleaning materials in order to prevent fires. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.

Handling: Avoid prolonged or repeated contact with skin. Avoid inhaling vapour and/or mists. When handling product in drums, safety footwear should be worn and proper handling equipment should be used.

Storage: Keep container tightly closed and in a cool, well-ventilated place. Use properly labelled and closeable containers. Protect from frost. Storage Temperature: 0 - 50 °C / 32 - 122 °F

Recommended Materials: For containers or container linings, use mild steel or high density polyethylene.

Unsuitable Materials: PVC.

Additional Information: Polyethylene containers should not be exposed to high temperatures because of possible risk of distortion.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Material</th>
<th>Source</th>
<th>Type</th>
<th>ppm</th>
<th>mg/m3</th>
<th>Notation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil mist, mineral</td>
<td>ACGIH</td>
<td>TWA(Mist.)</td>
<td>5 mg/m3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oil mist, mineral</td>
<td>ACGIH</td>
<td>STEL(Mist.)</td>
<td>10 mg/m3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Exposure Controls: The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include: Adequate ventilation to control airborne concentrations. Where material is heated, sprayed or mist formed, there is greater potential for airborne concentrations to be generated.

Personal Protective Equipment: Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

Respiratory Protection: No respiratory protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material. If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where
9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Amber. Liquid at room temperature.
Odour : Mild.
Initial Boiling Point and Boiling Range : > 100 °C / 212 °F estimated value(s)
Dropping point : Typical 175 °C / 347 °F
Flash point : >= 196 °C / 385 °F (Cleveland Open Cup)
Upper / lower Flammability or Explosion limits : Not applicable.
Auto-ignition temperature : > 150 °C / 302 °F
Vapour pressure : Data not available
Specific gravity : Typical 1.22
Density : Typical 930 g/cm3
Water solubility : Miscible.
n-octanol/water partition coefficient (log Pow) : Data not available
Kinematic viscosity : >= 100 mm2/s at 100 °C / 212 °F
Vapour density (air=1) : Not applicable.
Evaporation rate (nBuAc=1) : Data not available

10. STABILITY AND REACTIVITY

Stability : Stable.
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Conditions to Avoid: Extremes of temperature and direct sunlight.
Materials to Avoid: Strong oxidising agents. DO NOT add nitrites or any nitrosating agents. May react with amines and form nitrosamines which cause cancer in animal tests.

Hazardous Decomposition Products: Hazardous decomposition products are not expected to form during normal storage.

11. TOXICOLOGICAL INFORMATION

Basis for Assessment: Information given is based on data on the components and the toxicology of similar products.
Acute Oral Toxicity: Expected to be of low toxicity: LD50 > 5000 mg/kg, Rat
Acute Dermal Toxicity: Expected to be of low toxicity: LD50 > 5000 mg/kg, Rabbit
Acute Inhalation Toxicity: Not considered to be an inhalation hazard under normal conditions of use.
Skin Irritation: Expected to be slightly irritating.
Eye Irritation: Expected to be slightly irritating.
Respiratory Irritation: Inhalation of vapours or mists may cause irritation.
Sensitisation: Not expected to be a skin sensitisier.
Repeated Dose Toxicity: Not expected to be a hazard.
Mutagenicity: Not considered a mutagenic hazard.
Carcinogenicity: Components are not known to be associated with carcinogenic effects.
Reproductive and Developmental Toxicity: Not expected to be a hazard.
Additional Information: Properly manage used fluids. Used metalworking fluids may accumulate harmful bacteria. Breathing mists generated during use may cause hypersensitivity pneumonitis or aggravate existing asthma symptoms. DO NOT add nitrites or any nitrosating agents. May react with amines and form nitrosamines which cause cancer in animal tests.

12. ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products.

Acute Toxicity: Expected to be practically non toxic: LL/EL/IL50 > 100 mg/l (to aquatic organisms) (LL/EL50 expressed as the nominal amount of product required to prepare aqueous test extract).
Mobility: Liquid under most environmental conditions. Emulsifies with water. If it enters soil, it will adsorb to soil particles and will not be mobile.
Persistence/degradability: Expected to be not readily biodegradable. Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment.
Bioaccumulation: Contains components with the potential to bioaccumulate.
Other Adverse Effects: Product is a mixture of non-volatile components, which are not expected to be released to air in any significant quantities. Not expected to have ozone depletion potential, photochemical
13. DISPOSAL CONSIDERATIONS

Material Disposal: Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses.

Container Disposal: Dispose in accordance with prevailing regulations, preferably to a recognised collector or contractor. The competence of the collector or contractor should be established beforehand.

Local Legislation: Disposal should be in accordance with applicable regional, national, and local laws and regulations.

14. TRANSPORT INFORMATION

US Department of Transportation Classification (49CFR)
This material is not subject to DOT regulations under 49 CFR Parts 171-180.

IMDG
This material is not classified as dangerous under IMDG regulations.

IATA (Country variations may apply)
This material is not classified as dangerous under IATA regulations.

15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

Federal Regulatory Status

Notification Status

EINECS
All components listed.
TSCA
All components listed.

SARA Hazard Categories (311/312)
No SARA 311/312 Hazards.

State Regulatory Status

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)
This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. OTHER INFORMATION

NFPA Rating (Health, Fire, Reactivity) : 0, 0, 0
MSDS Version Number : 2.0
MSDS Effective Date : 07/02/2008
MSDS Revisions : A vertical bar (|) in the left margin indicates an amendment from the previous version.
MSDS Regulation : The content and format of this MSDS is in accordance with the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
MSDS Distribution : The information in this document should be made available to all who may handle the product.

Disclaimer : The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product.