SAFETY DATA SHEET


Section 1: PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Paratac</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Family</td>
<td>Polymeric Hydrocarbon In Mineral Oil</td>
</tr>
<tr>
<td>Product Use</td>
<td>Tackifier – Lubricant Additive</td>
</tr>
<tr>
<td>CAS Registry Number</td>
<td>Mixture</td>
</tr>
<tr>
<td>Revision Date</td>
<td>July 6, 2017</td>
</tr>
</tbody>
</table>

Manufacturer: Functional Products, Inc.
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Macedonia, Ohio 44056, USA
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Fax (USA): + 1 330-963-3322
E-mail: SDS@functionalproducts.com

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08017 Barcelona
Spain
Tel: + 34 93 594 75 00
Fax: + 34 93 594 75 01
E-mail: lumar@lumarquimica.com

Emergency Phone Numbers:
United States: + 330-963-3060 (8:00AM-5:00PM EST)
Europe: + 34 93 594 75 00 (08:00 -13:00  14:00-17:00)
France (ORFILA): + 33 (0)1 45 42 59 59

Section 2: HAZARDS IDENTIFICATION

This material is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

According to Regulation (EC) N° 1272/2008 [CLP]
This is not a hazardous substance or mixture according Regulation (EC) No. 1272/2008.
No need for classification according to GHS criteria for this product.

According to Directive 67/548/EEC or 1999/45/EC
This is not a hazardous substance of mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2.2 LABEL ELEMENTS
Globally Harmonized System, EU (GHS)
The product does not require a hazard warning label in accordance with GHS criteria.

According to Regulation (EC) N° 1272/2008 [CLP]
The product does not require a hazard warning label in accordance with Regulation (EC) No. 1272/2008.

According to Directive 67/54//EEC or 1999/45/EC European Economic Community (EEC) Directives
The product does not require a hazardous warning label in accordance with EEC Directives.

2.3 OTHER ELEMENTS
This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).
This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS
Hazardous components
Remarks: None

Section 4: FIRST–AID MEASURES

General advice : No hazards which require special first aid measures.
If inhaled : Remove to fresh air. Get medical attention.
In case of skin contact : Take off contaminated shoes and clothing immediately. Wash with soap and water. If symptoms persist, seek medical attention.
In case of eye contact : Immediately flush eyes with plenty of water. Remove contact lenses. Seek medical attention if irritation occurs. Protect unharmed eye.
If swallowed : Do NOT induce vomiting. Seek medical attention immediately. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Symptoms : No symptoms known or expected

Indication of any immediate medical attention and special treatment needed

Treatment : No hazards which require special first aid measures. If a person vomits when lying on his back, place him in the recovery position. Keep patient warm and at rest.

Protection of first-aid responders : For personal protection see section 8.

Section 5: FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames
Unsuitable extinguishing media: Do NOT use water jet.

Specific hazards arising from the chemical

Combustibility: Not classified as flammable or combustible, but will combust if ignited.

Hazardous combustion: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

Flammable properties: See Section 9 for information on flammability.

Special protective equipment and precautions for fire fighters

Protective equipment and precautions for firefighters: In the event of fire, wear self-contained breathing apparatus.

Fire Fighting Instructions: Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and Emergency procedures: Advice for emergency responders
- Ensure adequate ventilation.
- Use personal protective equipment
- Material can create slippery conditions. For personal protection see section 8.

Advice for non-emergency personnel
- Avoid contact with spilled material. Do not touch or walk through spilled material.

Environmental precautions: Prevent entry into waterways, sewers, basements or confined areas.
- Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so.
- Try to prevent the material from entering drains or water courses.
- If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up: Prevent further leakage or spillage if safe to do so.
- Large Spills: Dyke far ahead of liquid spill for later recovery and disposal.
- Recover by pumping or with suitable absorbent

Report spills as required to appropriate authorities. Seek the advice of a specialist before using
dispersants. Dispose of according to local regulations.
In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. Material will float on water, use containment booms as a barrier to protect shorelines.
Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.
Clean contaminated floors and objects thoroughly while observing environmental regulations.

Reference to other sections
Other information : For personal protection see section 8.

Section 7: HANDLING AND STORAGE

Precautions for safe handling
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.
Normal measures for preventive fire protection.
Products may load from Functional Products Inc. manufacturing site above the standard loading/unloading range.

Loading/unloading temperature : No data available
Viscosity @ Loading/unloading temperature : No data available
Static accumulator : This material is not a static accumulator.

Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place.
No decomposition if stored and applied as directed.

Storage temperature : Ambient
Incompatible materials and coatings : No data available

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values

Exposure limits for materials that can be formed when handling this product: When mists/aerosols can occur, the following are recommended: 5mg/m³ - ACGIH TLV, 10 mg/m³ - ACGIH STEL Limits/standards shown for guidance only. Follow applicable regulations.

Occupational exposure controls
Appropriate engineering: No special requirements under ordinary conditions of use with adequate ventilation.

Individual protection measures, such as personal protective equipment

Respiratory protection: Use appropriate respiratory protection if there is any potential for uncontrolled release or exposure levels are not known.

Hand protection: Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. For prolonged or repeated contact use protective gloves.

Eye protection: Use safety glasses, goggles or face mask.

Skin and body protection: Protective suit

Advice on general occupational hygiene

Hygiene measures: Wash hands before breaks and immediately after handling the product.

Remove contaminated clothing and protective equipment before entering eating areas.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Typical physical and chemical properties are below. Consult the Supplier in Section 1 for additional data.

Information on basic physical and chemical properties

Physical state: liquid
Form: No information available
Color: Clear
Odor: No information available
Odor Threshold: not determined

Important health safety and environmental information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative density</td>
<td>0.878 at 15.6 °C (60.1 °F)</td>
</tr>
<tr>
<td>Method</td>
<td>ASTM D4052</td>
</tr>
<tr>
<td>Bulk density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Density</td>
<td>0.878 g/cm3 at 15 °C (59 °F)</td>
</tr>
<tr>
<td>Flash point</td>
<td>185 °C (365 °F)</td>
</tr>
<tr>
<td>Method</td>
<td>Pensky-Martens Closed Cup (ASTM D93)</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>not determined</td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>not determined</td>
</tr>
<tr>
<td>Upper flammability limit</td>
<td>not determined</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>not applicable</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>not determined</td>
</tr>
<tr>
<td>Vapor density (Air = 1.0)</td>
<td>not determined</td>
</tr>
<tr>
<td>Vapor pressure (&lt; 0.1 hPa (&lt; 0.1 mmHg)) at 20 °C (68 °F) estimated</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate (N-butyl acetate=1)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>pH:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Water solubility, estimated</td>
<td>&lt; 0.0001 g/l estimated</td>
</tr>
<tr>
<td>Partition coefficient: not determined</td>
<td></td>
</tr>
</tbody>
</table>

Viscosity, kinematic: not determined

Water solubility: < 0.0001 g/l estimated

Viscosity, kinematic: not determined
Method: ASTM D 445

21000 mm²/s at 40 °C (104 ° F)
10000 mm²/s at 60 °C (140 ° F)
2950 mm²/s at 100 °C (212 ° F)

Explosive properties : not determined
Oxidizing properties : See sections 3, 15
Decomposition temperature : not determined
Pour point : not determined
Melting point/freezing point : not determined

Other information
DMSO extract by IP346 : Less than 3.0 wt% (mineral oil component only)
Coefficient of thermal expansion : 0.00079 1/°C ITM 50-020

Section 10: STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.
Chemical stability : Stable under recommended storage conditions.
Possibility of hazardous reactions : No hazards to be specially mentioned.
Conditions to avoid : Excessive heat.
Incompatible materials : Strong oxidizing agents
Hazardous decomposition : No decomposition if used as directed.

Section 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute oral toxicity : No data is available on the product itself. Acute
inhalation toxicity : No data is available on the product itself. Acute dermal
toxicity : No data is available on the product itself. Skin
corrosion/irritation : No data is available on the product itself.
Serious eye damage/eye irritation : No data is available on the product itself.
Respiratory or skin sensitization : No data is available on the product itself.
Germ cell mutagenicity : No data is available on the product itself.
Genotoxicity in vitro : No data is available on the product itself.
in vivo : No data is available on the product itself.
Carcinogenicity : No data is available on the product itself.
Reproductive toxicity : No data is available on the product itself.
STOT - single exposure assessment : No data is available on the product itself.
STOT - repeated exposure assessment: No data is available on the product itself.
Aspiration toxicity : No data is available on the product itself.
Carcinogenicity
IARC
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

ACGIH
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

Product:
Toxicity to fish : No data is available on the product itself.
Toxicity to daphnia and other aquatic invertebrates : No data is available on the product itself.
Toxicity to algae : No data is available on the product itself.

Persistence and degradability

Product:
Biodegradability : No data is available on the product itself.

Bioaccumulative potential Product:
Bioaccumulation : No data is available on the product itself.
Partition coefficient: n- octanol/water : not determined

Mobility in soil

Product:
Mobility : No data is available on the product itself.

Results of PBT and vPvB assessment

Product
Assessment : No data is available on the product itself.

Other adverse effects

Product:
Additional ecological information : None known

Section 13: DISPOSAL CONSIDERATIONS

Disposal recommendations based on material as supplied, Disposal must be in accordance with applicable laws and regulations, and material characteristics at time of disposal
For the safety of persons conducting disposal, recycling or reclamation activities, refer to the information in Section 8, Exposure control and personal protection.

Disposal recommendations
Product: Dispose of contents/container to an approved waste disposal plant.

Empty containers
Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed.

Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. Do not pressurise, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death.

Regulatory disposal information
Waste Classification: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed as hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

Section 14: TRANSPORTATION INFORMATION

Land (DOT)
Not regulated for transport by land.

Sea (IMDG)
Not regulated for transport by sea under IMDG code.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

AIR (IATA)
Not regulated for transport by air.

Section 15: REGULATORY INFORMATION

National chemical inventory status:

| TSCA       | Listed     |
| DSL        | Listed     |
| AICS       | Listed     |
| NZIoC      | Listed     |
| ENCS       | Listed     |
| KECI       | Listed     |
| PICCS      | Listed     |
| IECSC      | Listed     |
| EINECS     | Listed     |

CERCLA Reportable Quantity
This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). Contact local authorities to determine if other reporting requirements apply.

SARA 311/312 Hazards: No SARA Hazards

EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO – KNOW
SARA 302  No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313  This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Massachusetts Right To Know Components  Highly refined mineral oil  64742-65-0

Pennsylvania Right To Know Components  Highly refined mineral oil  64742-65-0
Polyolefin  9003-27-4

New Jersey Right To Know Components  Highly refined mineral oil  64742-65-0

California Prop. 65  This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: OTHER INFORMATION

Sources of key data used to compile the Safety Data Sheet

The information contained in this document is based upon data believed to be reliable and relates only to the matters specifically mentioned in this document. Although Functional Products Inc. has used reasonable skill and care in the preparation of this information, in the absence of any overriding obligations arising under a specific contract, no representation, warranty (express or implied), or guarantee is made as to the suitability, accuracy, reliability or completeness of the information; nothing in this document shall reduce the user's responsibility to satisfy itself as to the suitability, accuracy, reliability, and completeness of such information for its particular use; there is no warranty against intellectual property infringement; and Functional Products Inc.shall not be liable for any loss,
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