

SAFETY DATA SHEET

According to REACH, Commission Regulation (EU) 2015/830 of 28 May 2015

Product Name	Paratac
Chemical Family	Polymeric Hydrocarbon In Mineral Oil
Product Use	Tackifier – Lubricant Additive
CAS Registry Number	Mixture
Revision Date	January 02, 2020

Manufacturer: Functional Products, Inc.
8282 Bavaria Road
Macedonia, Ohio 44056, USA
Tel (USA): + 1 330-963-3060
Fax (USA): + 1 330-963-3322
E-mail: SDS@functionalproducts.com

European Supplier: Lumar Quimica S.L.U.
Milanesat, 25-27, 4t. 1a.
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 hazardous by OSHA Hazard Communication Standard 29 CFR 1910.1200

GHS-Classification

Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements

None

Other hazards which do not result in classification

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

Description of first aid measures

- General advice** : No hazards which require special first aid measures.
- If inhaled** : If unconscious place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact** : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water. If symptoms persist, call a physician.
- In case of eye contact** : Flush eyes with water as a precaution.
Remove contact lenses. Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists: Get medical advice/ attention.
- If swallowed** : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

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-aiders : 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 products 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: : 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.

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.

Loading/unloading : No data available temperature

Viscosity @ temperature : No data available Loading/unloading temperature

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 and controls with adequate ventilation.

Individual protection measures, such as personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

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 : Safety glasses 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 given below. Consult the Supplier in Section 1 for additional data.

Information on basic physical and chemical properties

Physical state	: liquid
Form	: No information available.
Colour	: clear
Odour	: No information available.
Odour Threshold	: not determined

Important health safety and environmental information

Relative density	: 0.878 at 15.6 °C (60.1 °F) Method: ASTM D4052
Bulk density	: Not applicable
Density	: 0.878 g/cm ³ at 15 °C (59 °F) Method: ASTM D4052
Flash point	: 185 °C (365 °F) Method: Pensky-Martens Closed Cup (ASTM D93)
Flammability (solid, gas)	: not determined lower flammability limit : not determined Upper flammability limit : not determined Autoignition
temperature	: Not applicable
Initial boiling point and boiling	: not determined range
Vapour density (Air = 1.0)	: not determined
Vapour pressure	: < 0.1 hPa (< 0.1 mmHg) at 20 °C (68 °F) estimated
Evaporation rate (N-butyl	: Not applicable acetate=1)
pH	: Not applicable
Partition coefficient: n-	: not determined
octanol/water	
Water solubility	: < 0.0001 g/l estimated
Viscosity, kinematic	: 10,000 mm ² /s at 60 °C (140 °F) Method: ASTM D 445

2,950 mm²/s at 100 °C (212 °F)
Method: ASTM D 445
21,000 mm²/s at 40 °C (104 °F)
Method: Estimated

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 : 0.0007 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 Products : No decomposition if used as directed.

Section 11: TOXICOLOGICAL INFORMATION

Product

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	: No data is available on the product itself. irritation
Respiratory or skin	: No data is available on the product itself. sensitisation
Germ cell mutagenicity	
Genotoxicity in vitro	: No data is available on the product itself. Genotoxicity 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.

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 : 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- : not determined octanol/water

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 : 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

Remarks Not applicable

AIR (IATA)

Not regulated for transport by air

Section 15: REGULATORY INFORMATION

National chemical inventory status:

List	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

HMIS Classification: Health: 0 Flammability: 1
Physical hazards: 0

Sources of key data used to compile the Safety Data Sheet

Canadian Controlled Products Regulations Canadian Environmental Protection Act (CEPA) Canadian Hazardous Products Act
Canadian National Pollutant Release Inventory (NPRI) Canadian Transportation of Dangerous Goods (TDG)
Canadian Workplace Hazardous Material Information System (WHMIS)
US American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (exposure limits)
US California Proposition 65
US Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) US Department of Health & Human Services. National Toxicology Program
US Department of Transport DOT 49 CFR
US Hazardous Material Identification System (HMIS) III US National Fire Protection Association (NFPA) 704
US National Institute for Occupational Safety & Health (NIOSH) (exposure limits)
US Occupational Safety & Health Administration (OSHA) 29 CFR 1910.1200 (Hazard Communication Standard)
US OSHA 29 CFR 1910.1000 - Table Z1 (exposure limits)
US State Right to Know Acts: Pennsylvania, Massachusetts, New Jersey
US Superfund Amendments and Reauthorization Act (SARA) 311/312. SARA 313 US Toxic Substances Control Act (TSCA)

The information contained in this document is based upon data believed to be reliable at the time of going to press 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, damage or injury that may occur from the use of this information other than death or personal injury caused by its negligence. No statement shall be construed as an endorsement of any product or process. For greater certainty, before use of information contained in this document, particularly if the product is used for a purpose or under conditions which are abnormal or not reasonably foreseeable, this information must be reviewed with the supplier of such information.