

Mant USA Inc.

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Date: 12/2015

Product / Chemical Name: OS Compound
Manufacturer: Mant USA Inc.
2150 NW 1st Place Boca Raton, FL 33431
Emergency Contact: Tel. No.: 1-561-750-4610

Section 2 - Hazards Identification:

Potential Health Effects

| | |
|----------------------|----------|
| NFPA CODE | |
| FLAMMABILITY: | 1 |
| HEALTH: | 0 |
| REACTIVITY: | 0 |
| HAZARD: | 0 |

Eye Contact: May Cause moderate to severe irritation, seen as marked excess reddening and swelling of the conjunctiva.

Skin Contact: May cause irritation experienced as reddening and itchiness

Inhalation: Vapor and mist may irritate nose and throat.

Prolonged inhalation may cause dizziness.

Ingestion: May cause gastrointestinal irritation. Nausea and vomiting may occur.

Primary Route(s) of Entry: Inhalation at high temperatures, eye contact, skin contact.

Target Organs: Respiratory passages at high temperatures, eyes, skin.

Medical Conditions Aggravated by Long-Term Exposure: Individuals with pre-existing skin disorders or eye problems or impaired liver or kidney function may be more susceptible to the effects of chemical.

Carcinogenicity: IARC, NTP, and OSHA do not list this product or its ingredients as carcinogens.

Section 3 - Composition / Information on Ingredients

| CHEMICAL NAME | APPRX % | COMMON NAME | REG* (Y/N) | CAS # | OSHA P.E.L. (mg/m ³) | ACGIH TLV (mg/m ³) | CARCIN. (YIN) |
|---------------|---------|--------------|------------|-----------|----------------------------------|--------------------------------|---------------|
| 1) Petrolatum | 60-100 | Petrolatum | N | 8009-03-8 | None | None | N |
| 2) Carbon | 5-30 | Diamond | N | 7782-42-5 | 10 | 10 | N |
| 3) Other | 1-20 | Trade Secret | N | N/A | N | N | N |

Product formulation is Proprietary

No ingredients are known to be hazardous under normal usage.

Section 4 - First Aid Measures:

Eye Contact: If irritation or redness develops from exposure, flush eyes with clean water for at least 15 minutes. If symptoms persist, seek medical attention. For contact with hot material, gently open eyelids and flush affected eye(s) with cold (not icy) water. Seek immediate medical attention.

Skin Contact: Remove contaminated clothing and shoes. Wash exposed area with soap and water. Get medical attention if symptoms persist. For contact with molten material, leave material on skin and flush or immerse affected area(s) using cold, not icy, water. Seek immediate medical attention.

Inhalation: If symptoms develop, remove affected person from source of exposure into fresh air. Get immediate medical attention. If person is not breathing, give artificial respiration. If breathing is difficult, administer oxygen if available.

Ingestion: Get immediate medical attention. Do not induce vomiting unless instructed to do so by a physician. Give large quantities of water or milk.

Section 5 - Fire-Fighting Measures:

Flash Point: >204C

Flash Point Method: Cleveland Open Cup (COC), ASTM D92

Lower Flammable Limit (LFL): N/A

Upper Flammable Limit (UFL): N/A

Extinguishing Media: Co2, Foam, Dry Chemical, Water Spray

Unusual Fire or Explosion Hazards: None

Hazardous Combustion Products: Specific to type of material involved in fire.

Fire-Fighting Instructions: Wear a NIOSH approved positive pressure self-contained breathing apparatus with full protective clothing. Do not release runoff from fire control methods to sewers or waterways. Do not direct a solid stream of water or foam into hot burning pools, this may cause frothing and increase fire intensity. For fires beyond the incipient stage, emergency responders in the immediate hazard area should wear bunker gear. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Move undamaged containers from immediate hazard area if it can be done with minimal risk. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done with minimal risk. Avoid spreading burning liquid with water used for cooling purposes.

Fire-Fighting Equipment: Fire may produce toxic thermal decomposition products. Wear a self-contained breathing apparatus (SCBA) with a full face-piece operated in pressure-demand or positive-pressure mode.

Section 6 - Accidental Release Measures:

Small Spills: Isolate area and deny entry. Ventilate area of leak or spill. Small spill can be picked up with vermiculite or other absorbent, noncombustible material. Properly protected personnel should flush spill with plenty of water, taking care not to splash personnel.

Large Spills: Notify appropriate personnel and implement facility emergency response plan. Evacuate nonessential personnel, isolate area, provide maximum ventilation. Cleanup personnel should wear fully protective equipment for vapor inhalation and skin and eye contact.

Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release directly into sewers or waterways. Wash walking surfaces thoroughly to reduce slipping hazard.

Cleanup: Absorb spilled liquid with non-reactive absorbent material. Place clean-up material in appropriate disposal containers and dispose of according to local, state and federal requirements.

Regulatory Requirement: Any release to the environment of this product may be subject to federal, state, and/or local reporting requirements. Check with appropriate agencies.

Final Personal Precautions: This material may burn, but will not ignite readily. Keep all sources of ignition away from spill/release. The use of explosion-proof electrical equipment is recommended. Stay upwind and away from any spill/release. Notify persons down wind of the spill/release, isolate immediate hazard area and keep unauthorized personnel out. Wear appropriate protective equipment, including respiratory protection, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

Section 7 - Handling and Storage:

Handling Precautions: Exercise ordinary care in handling industrial lubricants. Wash hands thoroughly before eating or smoking. Remove contaminated clothing and wash before reuse.

Users should be alert to the possibility that very small percentages of the population may display unexpected allergic reactions to otherwise innocuous industrial lubricants and raw materials.

Do not enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D-4276 and 29CFR 1910.146.

Storage Requirements: Do not store in open or unlabeled containers. Store in a well ventilated, properly drained/contained site, away from heat, out of the sun and away from combustibles and reactive chemicals. Use only approved containers and protect containers from damage and keep material from freezing.

Section 8 - Exposure Controls / Personal Protection:

Eye Protection: Avoid eye contact. Wear safety glasses or chemical goggles in accordance with OSHA 29 CFR 1910.133.

Skin Protection: Avoid skin contact. Wear chemical protective gloves. Depending upon conditions of use, additional protection may be necessary such as a face shield, apron, etc.

Ventilation: Local ventilation is generally not necessary under normal conditions of use with adequate general ventilation. Ventilation and other forms of engineering controls are the preferred means for controlling chemical exposures. See OSHA 29 CER 1910.94(Ventilation)

Respiratory Protection: Avoid breathing in mist. Respiratory protection is generally not necessary under normal conditions of use with adequate general ventilation. If used at high temperatures, special local ventilation is recommended at point where vapors can be expected to escape to the workplace air.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Other Precautionary Information: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Physical and Chemical Properties:

Note: Unless otherwise stated, values are determined at 20°C (68°F) and 760 mm Hg (1 atm). Data represent typical values and are not intended to be specifications.

Appearance and Odor: Paste. Dye coloring may be used. It is not unusual to see the following colors: Yellow, Orange, Green, Blue, Red, Brown Black.

Physical Form: Semi-Solid

Odor: No distinct odor

Odor Threshold: No data

Vapor Pressure: N/A

Vapor Density (Air=1): > 1

Formula Weight: Not Calculated

Density: N/A

Specific Gravity (H₂O=1, at 4 °C): 0.815-0.855 @ 140°F (60°C)

pH: N/A

Water Solubility: Not Soluble

Organic Solvent Solubility: Soluble

Boiling Point Range: 360°C - 732°C

Melting Point: 120-140°F / 49-60°C

Solidification Point: N/A

Ignition Temperature: N/A

% Volatile: N/A

Evaporation Rate: N/A

Section 10 - Stability and Reactivity:

Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: This product will not undergo hazardous polymerization.

Chemical incompatibilities: Strong oxidizing materials

Conditions to Avoid: Strong acids and bases. Heat source.

Hazardous Decomposition Products: CO₂, CO and unidentified organic compounds in fumes and smoke may be formed during combustion.

Section 11 - Toxicological Information:

Toxicity Data:

Eye Effect: Eye Irritant. Inconsequential irritation.

Skin Effect: Practically non-irritating.

Reproductive: Not reported

Ingestion Effect: Not reported

Acute Inhalation Effects: Headache, nausea, irritation to the nose and throat.

Acute Oral Effects: N/A

Chronic Effects: Not established.

Carcinogenicity: Not reported

Mutagenicity: Not reported

Teratogenicity: Not reported

Section 12 - Ecological Information:

Ecotoxicity: This product is bio-degradable.

Soil Absorption/Mobility: Not Available

Degradability: Biodegradable.

Environmental Fate and Effects: Not Available.

Section 13 - Disposal Considerations:

Disposal: Contact a licensed waste-disposal contractor for detailed recommendations. Follow applicable Federal, State, and Local regulations.

Container Disposal: Rinse three times with an appropriate solvent or water. Dispose or recycle the empty container.

Disposal Regulatory Requirements: Many states classify waste lubricants as “hazardous”, which means disposal only by a licensed firm. Follow applicable Federal, state, and local regulations.

Section 14 - Transport Information:

DOT Transportation Data (49 CFR 172.101): Not Regulated

This product meets transportation requirements of the US Department of Transportation (DOT), ICAO and IATA. This is classified as non-dangerous goods.

Section 15 - Regulatory Information:

TSCA:

All components of this product are listed on the TSCA inventory.

EPA Regulations:

SARA 311/312 Hazard Class (40 CFR 370)

Immediate (Acute) Health Hazard: No

Sudden Release of Pressure Hazard: No

Reactive Hazard: No

Delayed (Chronic) Health Hazard: No

Fire Hazard: No

SARA 313 Toxic Chemicals (40 CFR 372.65) CAS Number %

No ingredients listed

SARA Extremely Hazardous Substances (40 CF R 355) CAS Number % Threshold Planning Quantity (TPQ)

No ingredients listed

CERCLA Hazardous Substances (40 CFR 302) CAS Number % Reportable Quantity (RQ)

No ingredients listed

OSHA Regulations:

Air contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A):

No ingredients listed

Section 16 - Other Information:

Prepared By: KUT

Disclaimer: The information and recommendations set forth herein are taken from sources believed to be accurate as of the date hereof; however, MANT USA Inc. makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.