



Product Identification

Specification:	Data:
Product Name	TUNGSTEN HEAVY-DUTY GREASE
SDS Number	406609-NL

Identify Information

Specification:	Data:
Chemical Formula	Petroleum Distillates, Zinc Based Additive, WS2
Ingredient	Petroleum Distillates, Zinc Based Additive, WS2
Percentage	Petroleum Distillates 80-85%, Zinc Based Additive <2%, WS2 Proprietary

Hazardous Ingredients

Specification:	Data:
Hazcom 2012/GHS Classification	Eye Irritant Category 2A Skin Irritant Category 2
Disposal Considerations	If this product becomes a waste, it would not be expected to meet the criteria of a RCRA of a hazardous waste. However, it is the responsibility of the generator to determine at the time of disposal the proper classification and method of disposal. Dispose in accordance with federal, state, and local regulations.
Handling and Storage	Precautions for Safe Handling: Avoid contact with eyes and skin. Avoid breathing oil mists. Use with adequate ventilation. Keep away from heat, hot surfaces, and open flames. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep out of the reach of children. Conditions for Safe Storage: Store in a cool, well-ventilated area, away from incompatible materials. NFPA Class IIIB Liquid.

Physical and Chemical Properties

Specification:	Data:
Physical Form	Grease
Color	Grayish-Burgundy
Odor	Slight petroleum oil odor
Boiling Point	>231.1 C (>448F)
Melting Point	Not Established.
Vapor Pressure	Not Established
Vapor Density	Not Established

Evaporation Rate	Not Established
Solubility in Water	Insoluble in water
Specific Gravity	Not Established
Percent Volatiles by Volume	Not Established

Fire and Explosion Data

Specifications:	Data:
Flash Point	>221.1C (>430F)
Extinguishing Media	Use water fog, dry chemical, carbon dioxide or foam. Do not use water jet or flooding amounts of water. Burning product will float on the surface and spread fire.
Specific Hazards Arising from the Chemical	Combustion will produce carbon oxides, sulfur oxides, phosphorus oxides, smoke fumes and unburned hydrocarbons.
Special Protective Equipment and Precautions for Fire-Fighters	Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing in areas where chemicals are used and stored. Cool fire-exposed containers with water.

Human Health Data

Specifications:	Data:
Route of Entry - Inhalation	Yes
Route of Entry - Skin	No
Route of Entry - Ingestion	Yes

Emergency and First Aid Procedures

Specifications:	Data:
Ingestion (Swallowed):	While aspiration is unlikely due to viscosity, do not induce vomiting. Rinse mouth with water. Call a physician, poison control center.
Eye Contact	Flush thoroughly with water. Remove contact lenses if present after the first 5 minutes and continue flushing for 15 minutes. Get medical attention if irritation persists.
Inhalation	If irritation is experienced, move to fresh air. Get medical attention if irritation or other symptoms develop and persist.
Skin Contact	Wash with soap and water. If irritation develops and persists, get medical attention.

Transportation Information

Specification:	Data:
DOT Surface Shipping Description	Not Regulated
IMDG Shipping Description	Not Regulated
ICAO Shipping Description	Not Regulated

Control Measures

Specification:	Data:
Respiratory Protection	None needed for normal use with adequate ventilation. If the occupational exposure limits are exceeded, wear a NIOSH approved respirator. Respirator selection and use should be based on contaminant type, form, and concentration. Follow OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice.
Ventilation	Use in a well-ventilated area.
Skin Protection	Avoid prolonged skin contact. Wash hands with soap and water after use.
Eye Protection	Avoid Eye Contact
Other Protective Equipment	None under normal conditions.
Work Hygienic practices	Wash hands thoroughly after handling, before eating or smoking.

Toxicological Information

Symptoms of Overexposure:

Inhalation: High concentrations of oil mists may cause nasal and respiratory irritation.

Skin Contact: Direct contact may cause moderate skin irritation. Prolonged and/or repeated contact may produce drying and defatting with possible dermatitis.

Eye Contact: Contact may be moderately irritating to eyes. May cause redness and tearing.

Ingestion: This product has low oral toxicity. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Effects: None expected.

Carcinogen Status: None of the components are listed as a carcinogen or suspect carcinogen by IARC, NTP, ACGIH or OSHA.

Reproductive Toxicity: None of the components is considered a reproductive hazard.

Ecological Information

Not available currently.

Disposal Considerations:

This material must be disposed of in accordance with all applicable local, state, and federal regulations. Material intended for disposal may be sold as scrap for reclaim.

Regulatory Information

U.S. Federal Regulations:

CERCLA 103 Reportable Quantity: This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state, and local regulations.

SARA TITLE III:

Hazard Category For Section 311/312: Acute Health

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III

Section 313 Reporting requirements: Zinc Compounds (<2%)

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): This product does not require a California Proposition 65 warning.

VOC Regulations: This product complies with the consumer product VOC limits of CARB, the US EPA and states adopting the OTC VOC rules.

Canadian Environmental Protection Act: One of the components is listed on the NDSL. All of the other ingredients are listed on the Canadian Domestic Substances List or exempt from notification.

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