

Hydraulic Oil & Motor Oil

Spill Assessment

Gather Available Information

Shipping Manifest Required

Product ID: Hydraulic Oil & Motor Oil

TDG Class, UN# & PG: Not a DOT/TDG controlled substance

Special Provisions for Transport: none

Special Provisions Exemption: none

Mixed Load Limited Quantity: none

ERAP Index: none

Passenger Vehicle Limitation: none

Product Uses: As a lubricant in the moving parts it comes in contact with.
Contains highly refined petroleum distillate-mixture; zinc compounds-mixture; polymer additive-mixture.

Manufacture Information:

Name/ Contact:

Tel:

Cell:

Assess the Volume Spilled

Total volume:

Number of Containers:

Product not spilled:

Product recovered / Contained:

Product Information:

Physical Classification: viscous liquid, also a semi-fluid lubricant with additives

Product Stability: stable

Color and Odor: beige / brown

Odor: mild petroleum odor

pH: not determined

Molecular Formula: Contains highly refined petroleum distillate, mixture.

Specific Gravity: 0.86-0.9 at 16°C

Solubility: Negligible/ partially soluble in water

Flash Point: >147°C

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Freezing point: not determined

Vapor Density: not determined

Neutralize: not determined

Compatibility Issues: no data

Conditions contributing to instability: High heat and open flames

Incompatibilities: May react with strong oxidizing agents

Safety Assessment

Responders Safety

Public Security Perimeter: none

Evacuation Perimeter: none

PPE Requirement: Eye protection – Safety Glasses.

Skin protection – Long sleeves and pants. Gloves. Rubber Boots.

Inhalation – No respirators should be needed unless product is involved in a fire. Then use SCBA

Structural Fire Fighters' Protective Clothing: Only provides limited protection.

Routes of Entry: Skin contact, eyes, inhalation and ingestion

Acute Health Effects: No ingredients are known to be hazardous. No specific acute or chronic health impact noted

Skin contact: repeated or prolonged skin contact may cause irritation.

Eye contact: may cause irritation

Inhalation: (oil mist and vapors) at high temperatures may irritate respiratory passage

Ingestion: may cause gastro-intestinal irritation

Decontamination Requirements: Full decon unit should be on standby.

Product Safety Information:

Toxic Vapors: CO, CO₂ and O_x may be produced during fires

Combustible: Not considered very combustible with flash point at >147°C

Explosion Hazard: Will not occur

Fire Response: Extinguish with foam, carbon dioxide, dry powder/ chemical or water fog

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Special Fire Procedures: Use water to keep fire exposed containers cool and disperse vapors. Excess water may cause oil to become mobile and may reignite further from the initial site.

Hazard decomposition products: Dense smoke may generate while burning. Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.

First Aid Requirements: See MSDS for full details. Contact Manufacture.

Environmental Assessment

Assess the following Conditions

Ambient Temperatures:

Precipitation (%):

Sunrise (time)/ Sunset (time):

Slope or ground contour (% gradient):

Porous Soil (sand/ cobble):

Dense Soil (clay/ bedrock):

Ground cover (foliage/ peat/ marsh / snow):

Assess Distance to Water Body

<5m:

5-15m:

>15m:

Identify the Water Body

Distance Marker (km #):

Name of nearby water bodies:

Fisheries assessment reports:

Distance to other tributaries:

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Effects of Product into Water

Aquatic Eco-toxicity: Not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

No specific hazardous impacts on aquatic environment identified.

Specific Properties: Dispersal – will not readily disperse but will create an oily slick

Dissolves / solubility – negligible/ partially soluble in water

Evaporation – not volatile

Emulsification – will occur over time and depending on environmental factors (wind, wave, water turbulence, temperatures, etc.)

Spill Response: Assess, Contain, Recover & Dispose. Refer to specific guidelines.

Effects of Product on Air

Spill to open environment (no fire): not determined

Hazardous Decompositions (no fires): not determined

Effects of Product on Land

Environmental effects: Not regarded as dangerous for the environment

Effects on soil: Low to moderate mobility in soil

Biological Treatment: Soil contaminated with petroleum based hydraulic oil or motor oil will readily undergo bioremediation.

Appropriate treatment will include the addition of nutrients, aeration/mixing and microorganisms.

Products that are synthetic or mineral based will not undergo biological remediation.

Freezing Temperatures: not determined