



Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Medallion Plus Heavy Duty Diesel SAE 30 Engine Oil

Lubricating Oils

Product Code: 0003

PetroChoice

1300 Virginia Drive, Suite 405

Fort Washington, PA 19034

Website: www.petrochoice.com

1-800-545-1257 Supplier General Contact Number

1-800-633-8253 US, Canada, Puerto Rico, Virgin Island - Emergency telephone (PERS)

+1-801-629-0667 International / Maritime Emergency telephone (PERS)

2. HAZARDS IDENTIFICATION

GHS Rating(s): No Classified Hazards

Signal Word: Not applicable

Label Elements: No Classified Hazards

Precautionary: P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions are understood.
P281 Use personal protective equipment as required.

Response: P308 If exposed or concerned: Get medical advice/attention.

Storage: P405 Store locked up.

Disposal: P501 Dispose of container according to regional regulations

Other Hazards

Hazards not otherwise classified (HNOC)

Avoid prolonged or repeated contact with motor oil. Use of good hygiene practices will reduce the likelihood of potential health effects. When exposed wash areas with soap and water and launder contaminated clothing.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Description: Mixture of substances listed below with nonhazardous additions

Dangerous Component	Number	Concentration %
Base Oil Severely Refined	64742-65-0	67.0
Residual Oils, Petroleum, Solvent-Dewaxed	64742-62-7	18.0
Phosphorodithioic Acid, Mixed O, O-BIS (1,3-Dimethylbutyl and Isopropyl) Esters, Zinc Salts	84605-29-8	1.0
INERT The remaining percentage are not listed as Physical or Health Hazards (29 CFR 1910.1200).		14.0

Products containing mineral oil with less than 3% DMSO extract as measured by IP-346.

4. FIRST AID MEASURES

Eye Contact

Immediately flush eyes with plenty of water occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get Medical Attention.

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth to mouth resuscitation. Maintain an open airway. Get medical attention if symptoms occur.

Ingestion

Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. get medical attention if symptoms occur.

Symptoms & Effects

To Physician: Treat symptomatically. Contact poison specialist if product has been ingested.

Specific Treatment: No specific treatment.

Medical Attention

Protection of First Aiders:

No action should be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Note to Doctor:

Aspiration during swallowing or vomiting may severely damage the lungs. If evacuation of stomach contents is necessary, use method least likely to cause aspiration.

5. FIREFIGHTING MEASURES

Suitable extinguishing media

Use carbon dioxide (CO₂), or foam. Water can be used to cool and protect product.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, if will spread fire.

Special hazards arising from this product

When heated, hazardous gases may be released including: sulfur dioxide. A solid stream of water will spread the burning material. Material creates a special hazard because it floats on water. This material creates a special hazard because it floats on water. This material is harmful to aquatic life. Any fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Firefighters Advice

Special protective equipment

Fire Equipment Information: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode

6. Accidental Release Measures

Personal precautions, protective equipment:

General Measures:

No health effects expect from the cleanup of this material if contact can be avoided. Follow personal protect equipment recommendations found in section 8 of this SDS.

Environmental Precautions

Non-Emergency Personnel:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform authorities if the product has caused environmental pollution Water Polluting Material may be harmful to the environment if released in large quantities.

Materials & Methods to Contain and Cleanup

Reference Section 8:

Follow all protective equipment recommendations provided in Section 8.

Spill Control Measures:

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Dispose of according to Federal, State, Local, or Provincial regulations. Used fluid should be disposed of at a recycling center.

Containment and Cleanup:

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages with noncombustible, absorbent material e.g. sand earth vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via licensed waste disposal contractor. Contaminated absorbent material may pose the same threat hazard as the spilled product.

7. Handling & Storage

Safe Handling

Personal Protective Equipment:

Put on appropriate personal protective equipment (see section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, keep lid tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Safe Storage

Required conditions:

Odorous and toxic fumes may form from the decomposition of this product if stored at temperatures in excess of 113°F (45°C) for extended periods of time or if heat sources in excess of 250°F (121°C) are used. Store away from incompatible materials. See section 10 for incompatible materials.

Specific End Use

Designed Purpose: This product is designed for use as a engine oil.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

United States Exposure Limits

Chemical Name	CAS	Exposure Limits	Source
Distillates, petroleum, solvent-dewaxed	64742-65-0	5mg/m ³	

Exposure Controls

Engineering Controls:

Material should be handled in enclosed vessels and equipment, in which case general room ventilation should be sufficient. Local exhaust ventilation should be used at points where dust, mist, vapors or gases can escape into the room air. No special requirements under ordinary conditions of use and with adequate ventilation.

Environmental Exposure Controls:

General room ventilation should be satisfactory. Local exhaust ventilation may be necessary if misting is generated.

Hygiene Measures:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

Eye/Face Protection:

If contact is likely, safety glasses with side shields are recommended.

Skin/Hand Protection:

Butyl rubber. Use nitrile or neoprene gloves. Use good industrial hygiene practices. In case of skin contact, wash hands and arms with soap and water. Use caution when opening manway covers of storage and transportation containers. 3-nitroaniline crystals may be present on the interior surface of these openings. 3-nitroaniline is toxic by dermal exposure.

Respiratory Protection:

Use a properly fitted air purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this a necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color: B&C

Odor: Characteristic of petroleum

Odor threshold: No data available

pH-value: No data available

Freezing Point: No data available

Boiling point/boiling range: No data available

Flash Point COC: 235°C

Evaporation Rate: No data available

Explosion Limits:

Lower: No data available

Upper: No data available

Flammability (solid, gaseous): Not applicable

Vapor Pressure: <1 mm Hg

Vapor Density (air=1): >1

Relative density: 0.88

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Solubility in water: Negligible, 0-1%

Partition coefficient (n-octanol/water): No data available

Viscosity @ 40°C: 90 cSt

Viscosity @ 100°C: 11 cSt

10. STABILITY AND REACTIVITY

Material Analysis

Reactivity: No data available

Chemical stability: Stable under normal circumstances

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Environmental

Conditions to avoid: Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition.

Incompatible materials: Strong oxidizing agents

Hazardous decomposition products:

Carbon monoxide, Smoke, Carbon monoxide, sulfur oxides, aldehydes, and other petroleum decomposition products in the case of incomplete combustion. Oxides of nitrogen, phosphorus, calcium, copper, magnesium, sodium, and hydrogen sulfide may also be present

11. TOXICOLOGICAL INFORMATION

Dermal & Other Toxicity Data

Chemical Name	CAS	Test	Value	Species	Source
Residual oils, petroleum, solvent-dewaxed	64742-62-7	LC50	5000 mg/L 96h	Oncorhynchus	IUCLID
Distillates, petroleum, solvent-dewaxed heavy paraffinic	64742-65-0	LC50	5000 mg/L 96h	Oncorhynchus	IUCLID
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and isopropyl)	84605-29-8	LC50	10 mg/L 96h	Pimephales	IUCLD
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and isopropyl)	84605-29-8	LC50	38 mg/L 96h	Pimephales	IUCLD
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and isopropyl)	84605-29-8	LC50	100 mg/L 96h	Pimephales	IUCLD

Sensitizer: No data available to indicate product or components may be a skin sensitizer.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

Carcinogenicity: Not expected to cause cancer. This product meets the IP-346 criteria of <3%.

Reproductive Toxicity: No data available if components greater than 0.1% may cause birth defects.

12. ECOLOGICAL INFORMATION

Aquatic toxicity

Acute Aquatic Ecotoxicity: Non-hazardous under Aquatic Acute Environment category.

Chronic Aquatic Ecotoxicity: Non-hazardous under Aquatic Chronic Environment category.

Persistence and degradability: Biodegrades slowly

Bioaccumulative potential: Bioconcentration may occur.

Mobility in soil: This material is expected to have essentially no mobility in soil

Results of PBT and vPvB assessment: Not determined

Other adverse effects: No data available

Ecological Data

Chemical Name	CAS	Test	Value	Species	Source
Residual oils, petroleum, solvent-dewaxed	64742-62-7	EC50	1000 mg/L 48h	Daphnia magna	IUCLID
Distillates, petroleum, solvent-dewaxed heavy paraffinic	64742-65-0	EC50	1000 mg/L 48h	Daphnia magna	IUCLID
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and isopropyl)	84605-29-8	EC50	0.1 mg/L 48h	Daphnia magna	IUCLID

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste treatment methods: Dispose of according to Federal, State, Local, or Provincial regulations.

Disposal Methods: Recycle used oil

Waste Disposal: Use material is non-hazardous according to environmental regulations.

Contaminated Packaging: Recycle containers whenever possible

14. TRANSPORT INFORMATION

U.S. Department of Transportation (DOT)

Shipping Description:

If shipped by land in a packaging having a capacity of 3,500 gallons or more, the provisions of 49 CFR, Part 130 apply. (Contains oil) International Maritime Dangerous Goods (IMDG)

DOT Compliance Note:

U.S. DOT compliance requirements may apply. See 49 CFR 171.22, 23 & 25. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable International Civil Aviation Org. / International Air Transport Assoc. (ICAO/IATA)

DOT Compliance Requirement: U.S. DOT compliance requirements may apply. See 49 CFR 171.22, 23 & 24

15. REGULATORY INFORMATION

Regulatory Agency

(TSCA) Toxic

Substance Control Act: All components are either listed or not regulated US TSCA Inventory

Chemical List Status:

64742-65-0

64742-62-7

84605-29-8

WHMIS Hazard Class: None

Canada CPR:

This product has been classified in accordance with the hazard criteria Controlled Products Regulations (CPR) and the SDS contains all the information required by the Regulations.

CERCLA Sections

302, 313, 372: This material does not contain reportable chemicals

311, 312:

Acute Health Hazard: No

Pressure Hazard: No

Fire Hazard: No

Chronic Health Hazard: No

Reactive Hazard: No

New Jersey Right to Know (RTK): This material does not contain reportable chemicals.

Massachusetts (RTK): This material does not contain reportable chemicals.

Pennsylvania (RTK): This material does not contain reportable chemicals.

Rhode Island (RTK): This material does not contain reportable chemicals.

16. OTHER INFORMATION

NFPA:

Health: 0

Flammability: 1

Instability: 0

Special: -



The information and recommendations contained within this document are believed by PetroChoice to be accurate and reliable as of the date prepared. The information and recommendations are offered for the user's consideration and analysis and in no way guarantee the chemical specifications for the specified product. It is solely the responsibility of the user to determine safe conditions for use of this product and to assume liability for any loss, damage or expense arising out of the product's improper use. The user should consider the information in this document in the context of how the selected product will be handled and used in conjunction with other products. It is the user's responsibility to determine that the product is suitable for the intended use.

Appropriate warnings and safe-handling procedures should be provided to all handlers and users. PetroChoice assumes no responsibility for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices within this document.

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