



Safety Data Sheet

Issue Date: 09-Jul-2024

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Version 1

1. IDENTIFICATION

Product identifier

Product Name Diesel High Performance DHP-10

Other means of identification

SDS # MP-005

Recommended use of the chemical and restrictions on use

Recommended Use Diesel fuel additive.

Details of the supplier of the safety data sheet

Supplier Address

Muscle Products Corp
752 Kilgore Road
Jackson Center, PA 16133
www.musclelubricants.com

Emergency telephone number

Company Phone Number 1-814-786-0166
Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Clear amber liquid

Physical state Liquid

Odor Strong Petroleum

Classification

Serious eye damage/eye irritation	Category 2
Germ cell mutagenicity	Category 1B
Specific target organ toxicity (repeated exposure)	Category 1
Aspiration toxicity	Category 1
Flammable liquids	Category 2

Signal Word

Danger

Hazard statements

Causes serious eye irritation
May cause genetic defects
Causes damage to organs through prolonged or repeated exposure
May be fatal if swallowed and enters airways
Highly flammable liquid and vapor

**Precautionary Statements - Prevention**

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Wear protective gloves/protective clothing/eye protection/face protection
 Wash face, hands and any exposed skin thoroughly after handling
 Do not breathe dust/fume/gas/mist/vapors/spray
 Do not eat, drink or smoke when using this product
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking
 Keep container tightly closed
 Ground/bond container and receiving equipment
 Use explosion-proof equipment
 Use only non-sparking tools
 Take precautionary measures against static discharge

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 If eye irritation persists: Get medical advice/attention
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower
 IF SWALLOWED: Immediately call a POISON CENTER or doctor
 Do NOT induce vomiting
 IN CASE OF FIRE: Use CO2, dry chemical, or foam to extinguish

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other hazards

Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Stoddard solvent	8052-41-3	30-60
2-Ethylhexyl Nitrate	27247-96-7	15-40
Isopropanol	67-63-0	10-20
Petroleum Distillates, Hydrotreated light	64742-47-8	5-10
Petroleum distillates, hydrotreated light naphthenic	64742-53-6	1-5
N-Nonane	111-84-2	1-5
Aromatic petroleum hydrocarbons	25551-13-7	0.1-1

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin Contact	Take off immediately all contaminated clothing. Rinse skin with water/shower.
Inhalation	Remove to fresh air.
Ingestion	Immediately call a poison center or doctor/physician. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms	May be harmful if swallowed. May be harmful in contact with skin. Causes serious eye irritation. May cause genetic defects. Causes damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use CO₂, dry chemical, or foam for extinction.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Highly flammable liquid and vapor.

Explosion Data

Sensitivity to Static Discharge Take precautionary measures against static discharge.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Use personal protective equipment as required.
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Environmental precautions

Environmental precautions	See Section 12 for additional Ecological Information.
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Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
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Methods for Clean-Up

Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE**Precautions for safe handling****Advice on Safe Handling**

Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after handling. DO NOT HEAT. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharges. Use explosion proof equipment.

Conditions for safe storage, including any incompatibilities**Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place. Storage temperature should not exceed + 40°C (104°F) to maintain best product performance. 2-year shelf life if stored according to advice given.

Incompatible Materials

None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Stoddard solvent 8052-41-3	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 525 mg/m ³	IDLH: 20000 mg/m ³ Ceiling: 1800 mg/m ³ 15 min TWA: 350 mg/m ³
Isopropanol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m ³	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³
N-Nonane 111-84-2	TWA: 200 ppm	(vacated) TWA: 200 ppm (vacated) TWA: 1050 mg/m ³	TWA: 200 ppm TWA: 1050 mg/m ³
Aromatic petroleum hydrocarbons 25551-13-7	TWA: 10 ppm	(vacated) TWA: 25 ppm (vacated) TWA: 125 mg/m ³	-

Appropriate engineering controls**Engineering Controls**

Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment**Eye/Face Protection**

Wear eye/face protection. Refer to 29 CFR 1910.133 for eye and face protection regulations.

Skin and Body Protection

Wear protective gloves and protective clothing. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

Respiratory Protection

Ensure adequate ventilation, especially in confined areas. Refer to 29 CFR 1910.134 for respiratory protection requirements.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid		
Appearance	Clear amber liquid	Odor	Strong Petroleum
Color	Amber	Odor Threshold	Not determined
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	No data available		
Melting point / freezing point	-60 °C / -82 °F		
Initial boiling point and boiling range	82.2 °C / 180 °F		
Flash point	16.1 °C / 61 °F		
Evaporation Rate	Not determined		
Flammability (Solid, Gas)	Liquid - Not Applicable		
Flammability Limit in Air			
Upper flammability or explosive limits	No data available		
Lower flammability or explosive limits	No data available		
Vapor Pressure	0.58 psi		(at 20°C/68°F)
Vapor Density	No data available		
Relative Density	0.834 g/ml		(at 15.5°C/59.9°F)
Water Solubility	Partially soluble		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Autoignition temperature	No data available		
Decomposition temperature	Not determined		
Kinematic viscosity	1.225 cSt		@ 40°C (104°F)
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

Keep out of reach of children.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Causes serious eye irritation.
Skin Contact	May be harmful in contact with skin.
Inhalation	Do not inhale.
Ingestion	May be harmful if swallowed.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Stoddard solvent 8052-41-3	-	> 3000 mg/kg (Rabbit)	> 5.5 mg/L (Rat) 4 h
2-Ethylhexyl Nitrate 27247-96-7	> 9600 mg/kg (Rat)	> 4800 mg/kg (Rabbit)	> 14 mg/L (Rat) 4 h
Isopropanol 67-63-0	= 1870 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	> 10000 ppm (Rat) 6 h
Petroleum Distillates, Hydrotreated light 64742-47-8	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h
Petroleum distillates, hydrotreated light naphthenic 64742-53-6	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 2180 mg/m ³ (Rat) 4 h
N-Nonane 111-84-2	-	-	= 3200 ppm (Rat) 4 h
Aromatic petroleum hydrocarbons 25551-13-7	= 8970 mg/kg (Rat)	-	-
Proprietary Ingredient	= 40 g/kg (Rat)	> 20 mL/kg (Rabbit)	-

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	Please see section 4 of this SDS for symptoms.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Germ cell mutagenicity	May cause genetic defects.
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Carcinogenicity	This product contains mineral oils which are considered to be severely refined and not carcinogenic under IARC. All of the mineral oils in this product contain less than 3% extractables by IP 346. Nitrate or nitrite ingested under conditions that result in endogenous nitrosation are considered carcinogens. Group 3 IARC components are "not classifiable as human carcinogens".
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Chemical name	ACGIH	IARC	NTP	OSHA
2-Ethylhexyl Nitrate 27247-96-7		Group 2A		X
Isopropanol 67-63-0		Group 3		X
Petroleum distillates, hydrotreated light naphthenic 64742-53-6	A2	Group 1	Known	X

Legend**ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

STOT - repeated exposure Causes damage to organs through prolonged or repeated exposure.**Aspiration hazard** May be fatal if swallowed and enters airways.**Numerical measures of toxicity****The following values are calculated based on chapter 3.1 of the GHS document****Oral LD50** 3,769.00 mg/kg**Dermal LD50** 3,454.80 mg/kg**ATEmix (inhalation-dust/mist)** 5.09 mg/l**ATEmix (inhalation-vapor)** 27.50 mg/l**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Harmful to aquatic life with long lasting effects.

Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
2-Ethylhexyl Nitrate 27247-96-7		LC50: =2mg/L (96h, Danio rerio)	
Isopropanol 67-63-0	EC50: >1000mg/L (96h, Desmodesmus subspicatus) EC50: >1000mg/L (72h, Desmodesmus subspicatus)	LC50: =9640mg/L (96h, Pimephales promelas) LC50: =11130mg/L (96h, Pimephales promelas) LC50: >1400000µg/L (96h, Lepomis macrochirus)	EC50: =13299mg/L (48h, Daphnia magna)
Proprietary organic compound		LC50: >300mg/L (96h, Lepomis macrochirus) LC50: >0.0109mg/L (96h, Oncorhynchus mykiss) LC50: 94.5 - 271mg/L (96h, Oncorhynchus mykiss) LC50: >0.1mg/L (96h, Lepomis macrochirus) LC50: >100mg/L (96h, Pimephales promelas)	
Petroleum distillates, hydrotreated light naphthenic 64742-53-6		LC50: >5000mg/L (96h, Oncorhynchus mykiss)	EC50: >1000mg/L (48h, Daphnia magna)
Aromatic petroleum hydrocarbons 25551-13-7		LC50: =7.72mg/L (96h, Pimephales promelas)	
2-Ethylhexanol 104-76-7	EC50: =11.5mg/L (72h, Desmodesmus subspicatus)	LC50: 32 - 37mg/L (96h, Oncorhynchus mykiss) LC50: >7.5mg/L (96h, Oncorhynchus mykiss) LC50: 27 - 29.5mg/L (96h, Pimephales promelas) LC50: =29.7mg/L (96h, Pimephales promelas) LC50: 10.0 - 33.0mg/L (96h, Lepomis macrochirus)	EC50: =39mg/L (48h, Daphnia magna)

Proprietary Ingredient	EC50: =8mg/L (72h, Desmodesmus subspicatus)		
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Persistence/Degradability

Not determined.

Bioaccumulation

There is no data for this product.

Mobility

Chemical name	Partition coefficient
Stoddard solvent 8052-41-3	6.4
2-Ethylhexyl Nitrate 27247-96-7	5.24
Isopropanol 67-63-0	0.05

Other adverse effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status

Chemical name	California Hazardous Waste Status
Isopropanol 67-63-0	Toxic Ignitable

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Please contact manufacturer for most current information

IATA

Please contact manufacturer for most current information

IMDG

Please contact manufacturer for most current information

15. REGULATORY INFORMATION

International Inventories

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AIIC
Stoddard solvent	X	ACTIVE	X	X		X	X	X	X
2-Ethylhexyl Nitrate	X	ACTIVE	X	X	X	X	X	X	X
Isopropanol	X	ACTIVE	X	X	X	X	X	X	X

Petroleum Distillates, Hydrotreated light	X	ACTIVE	X	X		X	X	X	X
Petroleum distillates, hydrotreated light naphthenic	X	ACTIVE	X	X		X	X	X	X
N-Nonane	X	ACTIVE	X	X	X	X	X	X	X
Aromatic petroleum hydrocarbons	X	ACTIVE	X	X	X	X	X	X	X
Proprietary Ingredient	X	ACTIVE	X	X	X	X	X	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Chemical name	CAS No	Weight-%	SARA 313 - Threshold Values %
Isopropanol - 67-63-0	67-63-0	10-20	1.0

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Stoddard solvent 8052-41-3	X	X	X
2-Ethylhexyl Nitrate 27247-96-7	X		
Isopropanol 67-63-0	X	X	X
Petroleum distillates, hydrotreated light naphthenic 64742-53-6		X	
N-Nonane 111-84-2	X	X	X
Aromatic petroleum hydrocarbons 25551-13-7	X	X	X

16. OTHER INFORMATION

<u>NFPA</u>	Health hazards	Flammability	Instability	Special hazards
	2	2	1	-
<u>HMIS</u>	Health hazards	Flammability	Physical hazards	Personal Protection
	2	2	1	Not determined

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet