



Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 01.31.2025

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Revision date: 02.04.2025

DuraMAX XLT Euro Synthetic 0W-20

SECTION 1: Identification

Product Identifier

Product Name: DuraMAX XLT Euro Synthetic 0W-20

Product code: 950259020XE

Recommended Use of the Product and Restriction on Use

Relevant Identified Uses: Motor Oil

Uses Advised Against: Any use other than described above.

Reasons Why Uses Advised Against: Not determined or not applicable.

Manufacturer or Supplier Details

Manufacturer:

United States

Reladyne, LLC

8280 Montgomery Road

Suite 101 Cincinnati, OH 45236

(888) 830-3156

sds@reladyne.com

www.reladyne.com

Emergency Telephone Number:

United States

INFOTRAC

(800) 535-5053 (24/7)

SECTION 2: Hazard(s) Identification

GHS Classification: Not a hazardous substance or mixture

Label elements

Hazard Pictograms: None

Signal Word: None

Hazard statements: None

Precautionary Statements: None

Hazards Not Otherwise Classified: None

SECTION 3: Composition/Information on Ingredients

Identification	Name	Weight %
CAS Number: 72623-87-1	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	45-70
CAS Number: 163149-28-8	1-Dodecene, polymer with 1-decene and 1-octene, hydrogenated	10-30

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CAS Number: 64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic	1-5
CAS Number: 72623-86-0	Hydrotreated Neutral Oil-Based C15-C30	1-5
CAS Number: 64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic	0.5-1.5
CAS Number: 64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	0.5-1.5
CAS Number: 64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	0.5-1.5
CAS Number: 64742-70-7	Paraffin oils (petroleum), catalytic dewaxed heavy Baseoil - unspecified	0.5-1.5

Additional Information:

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200).

SECTION 4: First Aid Measures

Description of First Aid Measures

General Notes:

Show this Safety Data Sheet to the doctor in attendance.

After Inhalation:

Not determined or not applicable.

After Skin Contact:

Not determined or not applicable.

After Eye Contact:

Immediately rinse 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 15 minutes. If eye irritation develops or persists, seek medical advice/attention.

After Swallowing:

Not determined or not applicable.

Most Important Symptoms and Effects, Both Acute and Delayed

Acute Symptoms and Effects:

Not determined or not applicable.

Delayed Symptoms and Effects:

Not determined or not applicable.

Immediate Medical Attention and Special Treatment

Specific Treatment:

Not determined or not applicable.

Notes for the Doctor:

Treat symptomatically.

SECTION 5: Firefighting Measures

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Extinguishing Media

Suitable Extinguishing Media:

Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam.

Unsuitable Extinguishing Media:

Do not use water jet.

Specific Hazards During Fire-Fighting:

Thermal decomposition may produce irritating/toxic fumes/gases.

Special Protective Equipment for Firefighters:

Not determined or not applicable.

Special precautions:

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts.

Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers.

Avoid unnecessary run-off of extinguishing media which may cause pollution.

SECTION 6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures:

Not determined or not applicable.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways.

Discharge into the environment must be avoided.

Methods and Material for Containment and Cleaning Up:

Not determined or not applicable.

Reference to Other Sections:

For personal protective equipment see Section 8. For disposal see Section 13.

SECTION 7: Handling and Storage

Precautions for Safe Handling:

Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

Conditions for Safe Storage, Including Any Incompatibilities:

Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages.

Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

SECTION 8: Exposure Controls/Personal Protection

Only those substances with limit values have been included below.

Occupational Exposure Limit Values:

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	8-Hour TWA: 5 mg/m ³ (Mineral oil, excluding metal working fluids, poorly and mildly refined. Poorly and mildly refined: Exposure by all routes should be carefully controlled to levels as low as possible.)
	Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	TLV-TWA: 5 mg/m ³ (8 hr [Mineral oil, excluding metal working fluids, pure, highly and severely refined, inhalable fraction])
	Hydrotreated Neutral Oil-Based C15-C30	72623-86-0	8-Hour TWA: 5 mg/m ³ (Mineral oil, inhalable fraction)
	Distillates (petroleum), solvent-dewaxed light paraffinic	64742-56-9	TLV-TWA: 5 mg/m ³ ([8 hr] mineral oil, excluding metal working fluids, pure, highly and severely refined, inhalable fraction)
	Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	64742-54-7	TLV-TWA: 5 mg/m ³ (8 hr [Mineral oil, excluding metal working fluids, pure, highly and severely refined, inhalable fraction])
	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	8-Hour TWA: 5 mg/m ³ (mineral oil, excluding metal working fluids, pure, highly and severely refined, inhalable fraction)
	Paraffin oils (petroleum), catalytic dewaxed heavy Baseoil - unspecified	64742-70-7	TLV-TWA: 5 mg/m ³ (8-Hour Exposure Limit)
OSHA	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	8-Hour TWA-PEL: 5 mg/m ³ (Petroleum distillates, mildly or poorly refined)
	Distillates (petroleum), solvent-dewaxed light paraffinic	64742-56-9	8-Hour TWA-PEL: 5 mg/m ³ (oil mist [mineral])
	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	8-Hour TWA-PEL: 2000 mg/m ³ ([500 ppm] Petroleum distillates, Naphtha; Rubber solvent)
	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	8-Hour TWA-PEL: 5 mg/m ³ (Oil mist, mineral)
	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	8-Hour TWA: 1600 mg/m ³ ([400 ppm] PETROLEUM DISTILLATES (NAPHTHA) (RUBBER SOLVENT))
	Paraffin oils (petroleum), catalytic dewaxed heavy Baseoil - unspecified	64742-70-7	PEL: 5 mg/m ³ (OSHA Z-1 - OIL MIST (MINERAL))
	Paraffin oils (petroleum), catalytic dewaxed heavy Baseoil - unspecified	64742-70-7	PEL: 5 mg/m ³ (OSHA Z-1-A - OIL MIST (MINERAL))
NIOSH	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	REL-TWA: 5 mg/m ³ ([up to 10 hr] - Petroleum distillates, mildly or poorly refined)

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	IDLH: 2500 mg/m ³ (Petroleum distillates, mildly or poorly refined)
	Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	REL-TWA: 5 mg/m ³ (Oil mist [mineral] - for up to a 10-hour workday during a 40-hour workweek)
	Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	STEL: 10 mg/m ³ (Oil mist [mineral])
	Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	IDLH: 2500 mg/m ³ (Mineral oil, mist)
	Distillates (petroleum), solvent-dewaxed light paraffinic	64742-56-9	REL-TWA: 5 mg/m ³ (up to 10 hr - oil mist [mineral])
	Distillates (petroleum), solvent-dewaxed light paraffinic	64742-56-9	IDLH: 2500 mg/m ³ (oil mist [mineral])
	Distillates (petroleum), solvent-dewaxed light paraffinic	64742-56-9	STEL: 10 mg/m ³ (oil mist [mineral])
	Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	64742-54-7	REL-TWA: 5 mg/m ³ (Oil mist [mineral] - for up to a 10-hour workday during a 40-hour workweek)
	Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	64742-54-7	STEL: 10 mg/m ³ (Oil mist [mineral])
	Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	64742-54-7	IDLH: 2500 mg/m ³ (Mineral oil, mist)
	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	REL-TWA: 350 mg/m ³ (Petroleum distillates, naphtha [up to 10 hr])
	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	IDLH: 1100 ppm (Petroleum distillates, naphtha)
	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	Ceiling Limit: 1800 mg/m ³ (Petroleum distillates, naphtha [15 min])
	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	REL-TWA: 5 mg/m ³ (Oil mist, mineral [up to 10 hr])
	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	15-Minute STEL: 10 mg/m ³ (Oil mist, mineral)
	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	IDLH: 2500 mg/m ³ (Oil mist, mineral)
	Paraffin oils (petroleum), catalytic dewaxed heavy Baseoil - unspecified	64742-70-7	REL: 5 mg/m ³ ([for up to a 10-hour workday during a 40-hour workweek])
	Paraffin oils (petroleum), catalytic dewaxed heavy Baseoil - unspecified	64742-70-7	IDLH: 2500 mg/m ³
	Paraffin oils (petroleum), catalytic dewaxed heavy Baseoil - unspecified	64742-70-7	STEL: 10 mg/m ³
United States(California)	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	8-Hour TWA-PEL: 5 mg/m ³ (particulate - Petroleum distillates, mildly or poorly refined)
	Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	8-Hour TWA: 5 mg/m ³ (Oil [mineral] mist)

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Distillates (petroleum), solvent-dewaxed light paraffinic	64742-56-9	8-Hour TWA-PEL: 5 mg/m ³ (oil [mineral] mist, particulate)
	Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	64742-54-7	8-Hour TWA: 5 mg/m ³ (Oil [mineral] mist)
	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	8-Hour TWA-PEL: 1600 mg/m ³ ([400 ppm] Rubber solvent, naphtha)
	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	8-Hour TWA-PEL: 5 mg/m ³ (oil [mineral] mist, particulate)
	Paraffin oils (petroleum), catalytic dewaxed heavy Baseoil - unspecified	64742-70-7	8-Hour TWA: 5 mg/m ³

Biological Limit Values:

No biological exposure limits noted for the ingredient(s).

Information on Monitoring Procedures:

Not determined or not applicable.

Appropriate Engineering Controls:

Not determined or not applicable.

Personal Protection Equipment

Eye and Face Protection:

Safety glasses or goggles. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

Skin and Body Protection:

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

Respiratory Protection:

Not determined or not applicable.

General Hygienic Measures:

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

SECTION 9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Appearance	Green Liquid
Odor	Mild Petroleum
Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	220 C

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Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	0.85
Solubilities	Negligible; 0-1%
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	44.43 cSt @ 40°C
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

SECTION 10: Stability and Reactivity

Reactivity:

Not reactive under recommended handling and storage conditions.

Chemical Stability:

Stable under recommended handling and storage conditions.

Possibility of Hazardous Reactions:

Hazardous reactions are not anticipated under recommended conditions of handling and storage.

Conditions to Avoid:

Extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

Incompatible Materials:

Strong oxidizing agents

Hazardous Decomposition Products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological Information

Acute Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data: No data available.

Substance Data:

Name	Route	Result
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	oral	LD50 Rat: >5000 mg/kg
	dermal	LD50 Rabbit: >2000 mg/kg
	inhalation	LC50 Rat: 2.18 mg/L (4 hr [aerosol])
1-Dodecene, polymer with 1-decene and 1-octene, hydrogenated	oral	LD50 Rat: >5000 mg/kg
	dermal	LD50 Rat: >2000 mg/kg
	inhalation	LC50 Rat: 1.17 mg/L (4 hr [Air])

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Name	Route	Result
Distillates (petroleum), hydrotreated heavy paraffinic	oral	LD50 Rat: >5000 mg/kg
	dermal	LD50 Rabbit: >5000 mg/kg
	inhalation	LC50 Rat: 2.18 mg/L (4 hr [aerosol])
Hydrotreated Neutral Oil-Based C15-C30	oral	LD50 Rat: > 2000 mg/kg
	inhalation	LC50 Rat: > 5.3 mg/L (4 hr [aerosol])
	dermal	LD50 Rabbit: > 2000 mg/kg
Distillates (petroleum), solvent-dewaxed light paraffinic	oral	LD50 Rat: > 5000 mg/kg
	dermal	LD50 Rabbit: > 2000 mg/kg
	inhalation	LC50 Rat: > 5.53 mg/L (4 hr [aerosol])
Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	oral	LD50 Rat: >5000 mg/kg
	dermal	LD50 Rabbit: >5000 mg/kg
	inhalation	LC50 Rat: 2.18 mg/L (4 hr [aerosol])
Distillates (petroleum), solvent-dewaxed heavy paraffinic	oral	LD50 Rat: > 5000 mg/kg
	inhalation	LC50 Rat: 2.18 mg/L (4 hr [aerosol])
	dermal	LD50 Rabbit: > 5000 mg/kg
Paraffin oils (petroleum), catalytic dewaxed heavy Baseoil - unspecified	oral	LD50 Rat: >5000 mg/kg ([Read-across substance data])
	dermal	LD50 Rabbit: >5000 mg/kg ([Read-across substance data])
	inhalation	LC50 Rat: >5.53 mg/L (4 hr [aerosol, Read-across substance data])

Skin Corrosion/Irritation

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data: No data available.

Serious Eye Damage/Irritation

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data: No data available.

Respiratory or Skin Sensitization

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data: No data available.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product Data: No data available.

Substance Data:

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Name	Species	Result
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based		May cause cancer. Insufficiently refined lubricant base oils may be carcinogenic to the skin. Insufficiently refined based oils, containing $\geq 3\%$ DMSO extract as measured by IP346, should be classified as a carcinogen. The carcinogen classification does not apply to sufficiently refined base oils, containing $\leq 3\%$ DMSO extract as measured by IP346.
Distillates (petroleum), hydrotreated heavy paraffinic		May cause cancer.
Hydrotreated Neutral Oil-Based C15-C30	Rat	May cause cancer via dermal route affecting the skin.
Distillates (petroleum), solvent-dewaxed light paraffinic		May cause cancer. Insufficiently refined lubricant base oils may be carcinogenic to the skin. Insufficiently refined based oils, containing $\geq 3\%$ DMSO extract as measured by IP346, should be classified as a carcinogen. The carcinogen classification does not apply to sufficiently refined base oils, containing $\leq 3\%$ DMSO extract as measured by IP346.
Distillates (petroleum), hydrotreated heavy paraffinic (contains $<3\%$ DMSO extract)		The classification as a carcinogen does not apply because it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346.
Distillates (petroleum), solvent-dewaxed heavy paraffinic		May cause cancer.
Paraffin oils (petroleum), catalytic dewaxed heavy Baseoil - unspecified		May cause cancer.

International Agency for Research on Cancer (IARC):

Name	Classification
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	Not Applicable
1-Dodecene, polymer with 1-decene and 1-octene, hydrogenated	Not Applicable
Distillates (petroleum), hydrotreated heavy paraffinic	Group 1
Hydrotreated Neutral Oil-Based C15-C30	Not Applicable
Distillates (petroleum), solvent-dewaxed light paraffinic	Not Applicable
Distillates (petroleum), hydrotreated heavy paraffinic (contains $<3\%$ DMSO extract)	Group 3
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Group 1
Paraffin oils (petroleum), catalytic dewaxed heavy Baseoil - unspecified	Group 1

National Toxicology Program (NTP):

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Name	Classification
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	Not Applicable
1-Dodecene, polymer with 1-decene and 1-octene, hydrogenated	Not Applicable
Distillates (petroleum), hydrotreated heavy paraffinic	Known to be human carcinogens
Hydrotreated Neutral Oil-Based C15-C30	Not Applicable
Distillates (petroleum), solvent-dewaxed light paraffinic	Not Applicable
Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	Not Applicable
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Known to be human carcinogens
Paraffin oils (petroleum), catalytic dewaxed heavy Baseoil - unspecified	Known to be human carcinogens

OSHA Carcinogens: Not applicable

Germ Cell Mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data: No data available.

Reproductive Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data:

Name	Result
Distillates (petroleum), hydrotreated heavy paraffinic	Suspected of damaging fertility or the unborn child.
Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity (Single Exposure)

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data: No data available.

Specific Target Organ Toxicity (Repeated Exposure)

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

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Substance Data:

Name	Result
Distillates (petroleum), hydrotreated heavy paraffinic	Causes damage to organs through prolonged or repeated exposure.
Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	Causes damage to organs through prolonged or repeated exposure.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data:

Name	Result
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	May be fatal if swallowed and enters airways.
1-Dodecene, polymer with 1-decene and 1-octene, hydrogenated	May be fatal if swallowed and enters airways.
Distillates (petroleum), hydrotreated heavy paraffinic	May be fatal if swallowed and enters airways.
Hydrotreated Neutral Oil-Based C15-C30	May be fatal if swallowed and enters airways.
Distillates (petroleum), solvent-dewaxed light paraffinic	May be fatal if swallowed and enters airways.
Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	May be fatal if swallowed and enters airways.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	May be fatal if swallowed and enters airways.

Information on Likely Routes of Exposure:

No data available.

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics:

No data available.

Other Information:

No data available.

SECTION 12: Ecological Information

Acute (Short-Term) Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data: No data available.

Substance Data:

Name	Result
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	Aquatic Invertebrates EC50 Daphnia magna: >10,000 mg/L (EL50; 48 hr[mobility])
	Fish LC50 Pimephales promelas: >100 mg/L (LL50; 96hr)

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Name	Result
1-Dodecene, polymer with 1-decene and 1-octene, hydrogenated	Fish LC50 Oncorhynchus mykiss: > 1000 mg/L (LL50; 96hr [Read-across substance data])
	Aquatic Invertebrates EC50 Daphnia magna: > 1000 mg/L (EL50; 48hr [mobility; Read-across substance data])
	Aquatic Plants EC50 Scenedesmus capricornutum: > 1000 mg/L (EL50; 72hr [Biomass and growth rate; Read-across substance data])
Distillates (petroleum), hydrotreated heavy paraffinic	Fish LC50 Pimephales promelas: >100 mg/L (96 hr [LL50-mortality])
	Aquatic Invertebrates EC50 Daphnia magna: >10,000 mg/L (48 hr [EL50-mobility, Read-across substance data])
Hydrotreated Neutral Oil-Based C15-C30	Fish LC50 Pimephales promelas: > 100 mg/L (96 hr; LL50)
	Aquatic Invertebrates EC50 Daphnia magna: >= 10,000 mg/L (48 hr [mobility]; EL50)
Distillates (petroleum), solvent-dewaxed light paraffinic	Fish LC50 Pimephales promelas: >100 mg/L (96 hr [LL50 - mortality])
	Aquatic Invertebrates EC50 Daphnia magna: >10000 mg/L (48 hr [EL50 - mobility])
Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	Fish LC50 Pimephales promelas: > 100 mg/L (96 hr [LL50 - mortality])
	Aquatic Invertebrates EC50 Daphnia magna: > 10,000 mg/L (48 hr [EL50 - mobility, Read-across substance data])
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Fish LC50 Pimephales promelas: > 100 mg/L (96 hr [LL50 - mortality])
	Aquatic Invertebrates EC50 Daphnia magna: > 10,000 mg/L (48 hr [EL50 - mobility, Read-across substance data])
Paraffin oils (petroleum), catalytic dewaxed heavy Baseoil - unspecified	Fish LC50 Pimephales promelas: >100 mg/L (96 hr [LL50])
	Aquatic Invertebrates EC50 Daphnia magna: >10,000 mg/L (48 hr [EL50-mobility, Read-across substance data])

Chronic (Long-Term) Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data: No data available.

Substance Data:

Name	Result
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	Aquatic Invertebrates NOEC Daphnia magna: 10 mg/L (NOEL; 21d [reproduction])
	Fish NOEC Oncorhynchus mykiss: >= 1000 mg/L (NOELR; 14d)
1-Dodecene, polymer with 1-decene and 1-octene, hydrogenated	Aquatic Invertebrates NOEC Daphnia magna: 125 mg/L (NOELR; 21d)
Distillates (petroleum), hydrotreated heavy paraffinic	Fish NOEC Oncorhynchus mykiss: >=1000 mg/L (14 d [NOELR-mortality, QSAR data])
	Aquatic Invertebrates NOEC Daphnia magna: 10 mg/L (21 d[NOEL-reproduction, Read-across substance data])
Hydrotreated Neutral Oil-Based C15-C30	Aquatic Invertebrates NOEC Daphnia magna: > 1000 mg/L (21 d [reproduction] NOEL)
Distillates (petroleum), solvent-dewaxed light paraffinic	Aquatic Invertebrates NOEC Daphnia magna: 10 mg/L (21 d [NOEL - reproduction])

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Name	Result
Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	Fish NOEC Oncorhynchus mykiss: ≥ 1000 mg/L (14 d [NOELR-mortality, QSAR data])
	Aquatic Invertebrates NOEC Daphnia magna: 10 mg/L (21 d [NOEL-reproduction, Read-across substance data])
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Aquatic Invertebrates NOEC Daphnia magna: 10 mg/L (21 d [NOEL - reproduction, Read-across substance data])
	Fish NOEC Oncorhynchus mykiss: ≥ 1000 mg/L (14 d [NOEL-mortality, Read-across substance data])
Paraffin oils (petroleum), catalytic dewaxed heavy Baseoil - unspecified	Fish NOEC Oncorhynchus mykiss: ≥ 1000 mg/L (14 d [NOELR-mortality, QSAR substance data])
	Aquatic Invertebrates NOEC Daphnia magna: 10 mg/L (21 d [NOEL-reproduction, Read-across substance data])

Persistence and Degradability

Product Data: No data available.

Substance Data:

Name	Result
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	The substance is inherently biodegradable, 31% degradation measured by O ₂ consumption after 28 days.
1-Dodecene, polymer with 1-decene and 1-octene, hydrogenated	The substance is not readily biodegradable. 2% degradation in water, measured by O ₂ consumption, after 28 days.
Distillates (petroleum), hydrotreated heavy paraffinic	Standard biodegradability studies are not applicable to petroleum UVCB substances.
Hydrotreated Neutral Oil-Based C15-C30	Standard biodegradability studies are not applicable to petroleum UVCB substances.
Distillates (petroleum), solvent-dewaxed light paraffinic	The substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance.
Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	Standard biodegradability studies are not applicable to petroleum UVCB substances.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Standard biodegradability studies are not applicable to petroleum UVCB substances.
Paraffin oils (petroleum), catalytic dewaxed heavy Baseoil - unspecified	The substance is inherently biodegradable. 31% degradation in water, measured by O ₂ consumption, after 28 days (Read-across substance data).

Bioaccumulative Potential

Product Data: No data available.

Substance Data:

Name	Result
1-Dodecene, polymer with 1-decene and 1-octene, hydrogenated	The substance has the potential to bioaccumulate significantly (log Pow=5).
Distillates (petroleum), hydrotreated heavy paraffinic	Standard bioaccumulation studies are not applicable to petroleum UVCB substances.

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Name	Result
Hydrotreated Neutral Oil-Based C15-C30	Standard bioaccumulation studies are not applicable to petroleum UVCB substances.
Distillates (petroleum), solvent-dewaxed light paraffinic	The substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance.
Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	Standard bioaccumulation studies are not applicable to petroleum UVCB substances.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Standard bioaccumulation studies are not applicable to petroleum UVCB substances.
Paraffin oils (petroleum), catalytic dewaxed heavy Baseoil - unspecified	Standard bioaccumulation studies are not applicable to petroleum UVCB substances.

Mobility in Soil

Product Data: No data available.

Substance Data:

Name	Result
1-Dodecene, polymer with 1-decene and 1-octene, hydrogenated	The substance is immobile, therefore, there is a significant potential for adsorption to soil and sediment (Log Koc: >6.2).
Distillates (petroleum), hydrotreated heavy paraffinic	Standard adsorption/desorption studies are not applicable to petroleum UVCB substances.
Hydrotreated Neutral Oil-Based C15-C30	Standard adsorption/desorption studies are not applicable to petroleum UVCB substances.
Distillates (petroleum), solvent-dewaxed light paraffinic	The substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance.
Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	Standard adsorption/desorption studies are not applicable to petroleum UVCB substances.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Standard adsorption/desorption studies are not applicable to petroleum UVCB substances.
Paraffin oils (petroleum), catalytic dewaxed heavy Baseoil - unspecified	Standard adsorption/desorption studies are not applicable to petroleum UVCB substances.

Results of PBT and vPvB assessment

Product Data:

PBT assessment: This product does not contain any substances that are assessed to be a PBT.

vPvB assessment: This product does not contain any substances that are assessed to be a vPvB.

Substance Data:

PBT assessment:

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	The substance is not PBT.
1-Dodecene, polymer with 1-decene and 1-octene, hydrogenated	The substance is not a PBT.

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Distillates (petroleum), hydrotreated heavy paraffinic	Standard PBT studies are not applicable to petroleum UVCB substances.
Hydrotreated Neutral Oil-Based C15-C30	The substance is not PBT.
Distillates (petroleum), solvent-dewaxed light paraffinic	The substance is a UVCB and does not contain constituents included in the SVHC candidate list as PBT at concentrations above 0.1%.
Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	Standard PBT studies are not applicable to petroleum UVCB substances.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Standard PBT studies are not applicable to petroleum UVCB substances.
Paraffin oils (petroleum), catalytic dewaxed heavy Baseoil - unspecified	Standard PBT studies are not applicable to petroleum UVCB substances.

vPvB assessment:

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	The substance is not vPvB.
1-Dodecene, polymer with 1-decene and 1-octene, hydrogenated	The substance is not a vPvB.
Distillates (petroleum), hydrotreated heavy paraffinic	Standard vBvB studies are not applicable to petroleum UVCB substances.
Hydrotreated Neutral Oil-Based C15-C30	The substance is not vPvB.
Distillates (petroleum), solvent-dewaxed light paraffinic	The substance is a UVCB and does not contain constituents included in the SVHC candidate list as vPvB at concentrations above 0.1%.
Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	Standard vBvB studies are not applicable to petroleum UVCB substances.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Standard vBvB studies are not applicable to petroleum UVCB substances.
Paraffin oils (petroleum), catalytic dewaxed heavy Baseoil - unspecified	Standard vBvB studies are not applicable to petroleum UVCB substances.

Other Adverse Effects: No data available.

SECTION 13: Disposal Considerations

Disposal Methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory agencies. Dispose of in accordance with all applicable local, regional, state and federal regulations.

Contaminated packages:

Not determined or not applicable.

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SECTION 14: Transport Information

United States Transportation of Dangerous Goods (49 CFR DOT)

UN Number	Not regulated
UN Proper Shipping Name	Not regulated
UN Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	None
Special Precautions for User	None

International Maritime Dangerous Goods (IMDG)

UN Number	Not regulated
UN Proper Shipping Name	Not regulated
UN Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	None
Special Precautions for User	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN Number	Not regulated
UN Proper Shipping Name	Not regulated
UN Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	None
Special Precautions for User	None

SECTION 15: Regulatory Information

United States Regulations

Inventory Listing (TSCA): All ingredients are listed-active or exempt.

Significant New Use Rule (TSCA Section 5): None of the ingredients are listed.

Export Notification under TSCA Section 12(b): None of the ingredients are listed.

SARA Section 302 Extremely Hazardous Substances: None of the ingredients are listed.

SARA Section 313 Toxic Chemicals: None of the ingredients are listed.

CERCLA: None of the ingredients are listed.

RCRA: None of the ingredients are listed.

Section 112(r) of the Clean Air Act (CAA): None of the ingredients are listed.

Massachusetts Right to Know:

64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic	Listed
64742-70-7	Paraffin oils (petroleum), catalytic dewaxed heavy Baseoil - unspecified	Listed

New Jersey Right to Know:

64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	Listed
64742-70-7	Paraffin oils (petroleum), catalytic dewaxed heavy Baseoil - unspecified	Listed

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New York Right to Know: None of the ingredients are listed.

Pennsylvania Right to Know:

64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	Listed
64742-70-7	Paraffin oils (petroleum), catalytic dewaxed heavy Baseoil - unspecified	Listed

California Proposition 65:

⚠️ WARNING: This product can expose you to Benzene; which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Additional information: Not determined.

SECTION 16: Other Information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal 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, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

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End of Safety Data Sheet