



Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 01.13.2025

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DuraMAX Synthetic CVT Fluid A

SECTION 1: Identification

Product Identifier

Product Name: DuraMAX Synthetic CVT Fluid A

Recommended Use of the Product and Restriction on Use

Relevant Identified Uses: Continuously Variable Transmission

Uses Advised Against: Not determined or not applicable.

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:

Reproductive toxicity, category 2

Aspiration hazard, category 1

Label elements

Hazard Pictograms:



Signal Word: Danger

Hazard statements:

H304 May be fatal if swallowed and enters airways

H361 Suspected of damaging fertility or the unborn child (state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

Precautionary Statements:

P201 Obtain special instructions before use

P202 Do not handle until all safety precautions have been read and understood

P280 Wear protective gloves/protective clothing/eye protection/face protection

P331 Do NOT induce vomiting

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P301+P310 IF SWALLOWED: Immediately call a POISON CENTER.

P308+P313 If exposed or concerned: Get medical advice/attention.

P405 Store locked up

P501 Dispose of contents and container in accordance with local, regional, national, and international regulations.

Hazards Not Otherwise Classified: None

SECTION 3: Composition/Information on Ingredients

Identification	Name	Weight %
CAS Number: 64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	70-90
CAS Number: 80939-62-4	Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	1-3
CAS Number: 29385-43-1	Methyl-1H-benzotriazole	0.1-0.3

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:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If symptoms develop or persist, seek medical advice/attention.

After Skin Contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention.

After Eye Contact:

Rinse eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention.

After Swallowing:

This product presents an aspiration hazard. If aspiration is suspected, seek emergency medical treatment. If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention.

Most Important Symptoms and Effects, Both Acute and Delayed

Acute Symptoms and Effects:

May be fatal if swallowed and enters airways. Aspiration may cause pulmonary edema and pneumonitis. Symptoms may include shortness of breath, dry cough and irritation of the nose, eyes, lips, mouth and throat.

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Delayed Symptoms and Effects:

Long term exposure may affect fertility. Symptoms include, but are not limited to: menstrual problems, altered sexual behavior/fertility/ and pregnancy outcome. Long term exposure may also affect development of the unborn child. Symptoms include, but are not limited to: intrauterine growth retardation, pre-term birth, birth defects and postnatal death.

Immediate Medical Attention and Special Treatment

Specific Treatment:

Not determined or not applicable.

Notes for the Doctor:

Treat symptomatically.

SECTION 5: Firefighting Measures

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:

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

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:

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Avoid contact with skin, eyes and clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling.

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:

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

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

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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:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	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])
	Methyl-1H-benzotriazole	29385-43-1	8-Hour TWA: 10 mg/m ³ (Particles (insoluble or poorly soluble) not otherwise specified, inhalable)
	Methyl-1H-benzotriazole	29385-43-1	8-Hour TWA: 3 mg/m ³ (Particles (insoluble or poorly soluble) not otherwise specified, respirable)
NIOSH	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)
United States(California)	Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	64742-54-7	8-Hour TWA: 5 mg/m ³ (Oil [mineral] mist)
	Methyl-1H-benzotriazole	29385-43-1	8-Hour TWA-PEL: 5 mg/m ³ (Particulates not otherwise regulated, respirable fraction)
	Methyl-1H-benzotriazole	29385-43-1	8-Hour TWA-PEL: 10 mg/m ³ (Particulates not otherwise regulated, total dust)
OSHA	Methyl-1H-benzotriazole	29385-43-1	8-Hour TWA-PEL: 5 mg/m ³ (Particulates not otherwise regulated, respirable fraction)
	Methyl-1H-benzotriazole	29385-43-1	8-Hour TWA-PEL: 15 mg/m ³ (Particulates not otherwise regulated, total dust)

Biological Limit Values:

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

Information on Monitoring Procedures:

Not determined or not applicable.

Appropriate Engineering Controls:

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Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

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:

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

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	Amber liquid
Odor	Slight hydrocarbon
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	260 °C (500 °F)
Flash point (closed cup)	> 200 °C (392 °F)
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	< 0.5 Pa @ 20 °C (68°F) Estimated Values
Vapor density	Not determined or not available.
Density	7.35 lbs/gal
Relative density	0.88
Solubilities	Negligible
Partition coefficient (n-octanol/water)	> 6 (based on similar products)
Auto/Self-ignition temperature	> 300°C (700 °F)

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Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	< 40 cSt @ 40°C
Explosive properties	Product is not explosive
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
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])
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	oral	LD50 Rat: >5000 mg/kg
	dermal	LD50 Rat: >2000 mg/kg
Methyl-1H-benzotriazole	oral	LD50 Rat: 720 mg/kg
	dermal	LD50 Rabbit: > 2000 mg/kg (no mortalities occurred)

Skin Corrosion/Irritation

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

Product Data:

No data available.

Substance Data:

Name	Result
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	Causes skin irritation.

Serious Eye Damage/Irritation

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

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Product Data:

No data available.

Substance Data:

Name	Result
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	Causes serious eye irritation.

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:

Name	Species	Result
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.

International Agency for Research on Cancer (IARC):

Name	Classification
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	Not Applicable
Methyl-1H-benzotriazole	Not Applicable

National Toxicology Program (NTP):

Name	Classification
Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	Not Applicable
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	Not Applicable
Methyl-1H-benzotriazole	Not Applicable

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:

Suspected of damaging fertility or the unborn child.

Product Data:

No data available.

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Substance Data:

Name	Result
Methyl-1H-benzotriazole	Suspected of damaging 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.

Substance Data: No data available.

Aspiration toxicity

Assessment:

May be fatal if swallowed and enters airways.

Product Data:

No data available.

Substance Data: No data available.

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
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])
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	Fish LC50 Oncorhynchus mykiss: 5.5 mg/L (96 hr)
	Aquatic Invertebrates EC50 Daphnia magna: >1 mg/L (48 hr)
	Aquatic Plants EC50 Pseudokirchneriella subcapitata: >7.1 mg/L (72 hr)
Methyl-1H-benzotriazole	Fish LC50 Cyprinodon variegatus: 55 mg/L (96 hr)
	Aquatic Plants EC50 Raphidocelis subcapitata: 75 mg/L (72 hr [growth rate, Read-across substance data])
	Aquatic Invertebrates EC50 Daphnia galeata: 8.58 mg/L (48 hr [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:

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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])
Methyl-1H-benzotriazole	Aquatic Invertebrates NOEC Daphnia galeata: 18.4 mg/L (21 d [reproduction])

Persistence and Degradability

Product Data: No data available.

Substance Data:

Name	Result
Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	Standard biodegradability studies are not applicable to petroleum UVCB substances.
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	The substance is not biodegradable (13% biodegradation in 28 days).
Methyl-1H-benzotriazole	The substance is not readily biodegradable. 4% degradation in water, measured by O ₂ consumption, after 28 days.

Bioaccumulative Potential

Product Data: No data available.

Substance Data:

Name	Result
Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	Standard bioaccumulation studies are not applicable to petroleum UVCB substances.
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	The substance is not bioaccumulative (BCF 3.17; log Kow 1.74).
Methyl-1H-benzotriazole	The substance is not expected to bioaccumulate (BCF: 2.4 L/kg ww-aquatic species and log Pow: 1.079 - \leq 1.083 at 25 °C).

Mobility in Soil

Product Data: No data available.

Substance Data:

Name	Result
Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	Standard adsorption/desorption studies are not applicable to petroleum UVCB substances.
Methyl-1H-benzotriazole	The substance is moderately mobile, therefore, there is moderate potential for adsorption to soil and sediment (Koc:110, Read-across substance data).

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:

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Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	Standard PBT studies are not applicable to petroleum UVCB substances.
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	The substance is not PBT.
Methyl-1H-benzotriazole	The substance is not PBT.

vPvB assessment:

Distillates (petroleum), hydrotreated heavy paraffinic (contains <3% DMSO extract)	Standard vBvB studies are not applicable to petroleum UVCB substances.
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	The substance is not vPvB.
Methyl-1H-benzotriazole	The substance is not vPvB.

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.

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

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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: None of the ingredients are listed.

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

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

Pennsylvania Right to Know: None of the ingredients are listed.

California Proposition 65: None of the ingredients are listed.

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.

NFPA: 0-1-0

HMIS: 1-1-0

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End of Safety Data Sheet