



SAFETY DATA SHEET

1. Identification

Duragard® 100% Synthetic SAE 50WT Transmission Fluid

Product Use: Applications requiring a high pressure anti-wear hydraulic oil

Product Number(s): SYNTRANS50

Synonyms: Duragard® Diamond Plate® SAE 50WT Trans Fluid, Duragard® 100% Syn Trans Fluid SAE 50WT

Company Identification

Advantage Dist. & Lubricants, LLC

3434 Marion RD SE

Rochester, MN 55904

United States of America

www.advantagelubes.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 US, Canada, or U.S. Virgin Islands or (703) 527-3887 all other areas.

Health Emergency

Poison Control Center: Located in the USA. 1-800-222-1222

Product Information

email: info@advantagelubes.com

Product Information: (800) 420-1414, (507) 289-5555 local

SDS Requests: (800) 420-1414, (507) 289-5555 local

2. Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

GHS Classification: Hazardous to the aquatic environment - Chronic Category 3

Hazard Statements: Harmful to aquatic life with long lasting effects

Precautionary Statements:

Prevention: Avoid release to the environment.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not otherwise classified: No data available

3. Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS #	%
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	No data available	72623-87-1	30 - 60
Mineral oil	No data available	8012-95-1	3 - 7



SAFETY DATA SHEET

0002A363	No data available		3 - 7
----------	-------------------	--	-------

One or more hazardous ingredient(s) is claimed as a trade secret under the OSHA Hazard Communication Standard. The hazards of this (these) ingredient(s) are given on this SDS.

4. First-aid measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.

Eye Contact: Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

Skin Contact: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

Ingestion: Do not induce vomiting and seek medical attention immediately. Provide medical care provider with this SDS.

Most important symptoms/effects, acute and delayed: None Known

Indication of immediate medical attention and special treatment needed, if necessary: No additional first aid information available.

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media: Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid.

Unsuitable extinguishing media: No data available

Specific hazards arising from the chemical: No data available

Hazardous combustion products: Carbon dioxide, Carbon monoxide



SAFETY DATA SHEET

Special protective equipment and precautions for fire-fighters:

No data available

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Avoid release to the environment.

Methods and materials for containment and cleaning up:

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.

7. Handling and storage

Precautions for safe handling:

Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Empty containers may retain product residues/ vapors. Use proper bonding and grounding during bulk product transfer. No data available

Conditions for safe storage, including any incompatibilities:

Safe storage conditions:

Store in a cool dry place. Isolate from incompatible materials.

Materials to Avoid/Chemical Incompatibility:

Strong oxidizing agents

8. Exposure controls/personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:

Chemical component	OSHA PEL	ACGIH TLV	ACGIH STEL	IDLH
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	5 mg/m ³	5 mg/m ³	10 mg/m ³	No data available
Mineral oil	5 mg/m ³ TWA	5 mg/m ³ TWA (excluding metal working fluids,	No STEL	2500 mg/m ³ IDLH



SAFETY DATA SHEET

		highly & severely refined, inhalable fraction)		
--	--	--	--	--

Appropriate engineering controls:

Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort. Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Facilities storing or using this material should be equipped with an eyewash and safety shower.

Individual protection measures, such as personal protective equipment:

Respiratory Protection:

Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. Follow a respiratory protection program that meets 29 CFR 1910.134 and ANSI Z88.2 requirements whenever work place conditions warrant the use of a respirator. Wear a NIOSH approved respirator if any exposure is possible. None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.

Respirator Type(s):

None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.

Eye protection:

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses. Wear goggles and a Face shield.

Skin protection:

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

Gloves:

Polyvinyl chloride, Impervious rubber

Other protective equipment:

Wear goggles and a Face shield. Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.



SAFETY DATA SHEET

General hygiene conditions: No data available

9. Physical and chemical properties

Appearance (physical state, color etc.):

Physical state:	Liquid
Color:	Amber
Odor:	Mild
Odor Threshold:	Not determined
pH:	Not determined
Melting point/freezing point:	
Melting Point:	No data available
Freezing point:	No data available
Initial boiling point and boiling range (°C):	Not determined
Flash Point (°C):	218
Flash Point Method:	COC
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	
Upper flammability or explosive limits:	Not established
Lower flammability or explosive limits:	Not established
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	0.88
Solubility(ies):	Negligible; 0-1%
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition temperature:	No data available
Decomposition Temperature:	Not determined
Viscosity:	122.2
Volatile organic compound (VOC) content and percentage of volatiles:	0.000000



SAFETY DATA SHEET

10. Stability and reactivity

Reactivity:	No data available
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	No data available
Conditions to avoid (e.g., static discharge, shock, or vibration):	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:	No data available

11. Toxicological information

Description of the various toxicological (health) effects and the available data used to identify those effects:

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	No data available
Symptoms related to the physical, chemical and toxicological characteristics:	None Known

Delayed and immediate effects and also chronic effects from short- and long-term exposure:

Ingestion Toxicity:	Although this product has a low order of acute oral toxicity, aspiration of minute amounts into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.
Skin Contact:	This material is estimated to be moderately irritating (Primary Irritation Index is 3.0 - 5.0 [rabbits]). Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Absorption:	Likely to be practically non-toxic based on animal data.
Inhalation Toxicity:	Harmful! Can cause systemic damage (see "Target Organs"). Likely to be practically non-toxic based on animal data.
Eye Contact:	This material is likely to be non-irritating to eyes based on animal data.
Sensitization:	No data available
Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.



SAFETY DATA SHEET

Carcinogenicity:	Not expected to cause cancer. This product meets the IP-346 criteria of <3% PAH's and is not considered a carcinogen by the International Agency for Research on Cancer.
STOT-single exposure:	Non-hazardous under Specific Target Organ Systemic Toxicity Single Exposure category.
STOT-repeated exposure:	Non-hazardous under Specific Target Organ Systemic Toxicity Repeated Exposure category.
Aspiration hazard:	Non-hazardous under Aspiration category.
Other information:	No data available

Numerical measures of toxicity (such as acute toxicity estimates):

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	OLD50 Rat > 5000 mg/kg	Dermal LD50 Rabbit > 2000 mg/kg	Inhalation LC50 (4h) Rat 2.18 mg/L
Mineral oil	No data available	No data available	Inhalation LC50 (4h) Rat 2062 ppm
0002A363	OLD50 Rat > 4000 mg/kg	Dermal LD50 Rabbit > 2000 mg/kg	Inhalation LC50 (4h) Rat > 20 mg/L

Is the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA:

Chemical Name	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen
There are no components that are known or reported to cause cancer.			

12. Ecological information

Ecotoxicity (aquatic and terrestrial, where available): No data available

Ecological Toxicity Data:

Chemical Name	CAS #	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
No data available				



SAFETY DATA SHEET

Persistence and degradability:	No data.
Bioaccumulative potential:	Bioconcentration is not expected to occur.
Mobility in soil:	This material is expected to have essentially no mobility in soil. It absorbs strongly to most soil types.
Other adverse effects (such as hazardous to the ozone layer):	No data available

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:	Dispose of contents and container in accordance with local/regional/national/international regulations.
Contaminated packaging:	Recycle containers whenever possible.

14. Transport information

Carriage of dangerous goods by road (DOT), rail or inland waterways:

No data available

International carriage of dangerous goods by sea (IMDG/IMO):

No data available

International carriage of dangerous goods by air (IATA):

No data available

Environmental hazards (e.g., Marine pollutant (Yes/No)): Yes

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): No data available

Special precautions which a user needs to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises: No data available

15. Regulatory information

Safety, health and environmental regulations specific for the product in question:

Duragard® SAE 50WT FULL SYN TRANS



SAFETY DATA SHEET

TSCA Status:

All components of this material are on the US TSCA Inventory or are exempt.

Regulated Components:

Chemical Name	CAS #	CERCLA	Sara EHS	Sara 313	U.S. HAP
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	N	N	N	N
Alkyl ester		N	N	N	N
Mineral oil	8012-95-1	N	N	N	N

Chemical Name	CAS #	California Prop 65 - Cancer	California Prop 65 - Dev. Toxicity	California Prop 65 - Reprod fem	California Prop 65 - Reprod male
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	N	N	N	N
Alkyl ester		N	N	N	N
Mineral oil	8012-95-1	N	N	N	N

Chemical Name	CAS #	Massachusetts RTK List	New Jersey RTK List	Pennsylvania RTK List	Rhode Island RTK List	Minnesota Hazardous Substance List
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	N	N	N	N	N
Alkyl ester		N	N	N	N	N
Mineral oil	8012-95-1	Y	Y	Y	N	Y

16. Other information, including date of preparation or last revision.

SDS Prepared by:

TPRUETT



SAFETY DATA SHEET

Revision Date: 02-02-2017
Revision Number: 34
Reason for revision: NEW VERSION
References: No data available
Other Info: No data available

Disclaimer: This safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we have received from outside sources and we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.