



Safety Data Sheet

Product identifier used on the label: DURAGARD® 100%
SYNTHETIC SAE 50WT TRANSMISSION FLUID
Stock Number: DURSYNTRANS50
Revision Date: 02/2022
Replaces:

1. Identification

Product identifier used on the label: DURAGARD® 100% SYNTHETIC SAE 50WT TRANSMISSION
Stock Number: FLUID DURSYNTRANS50

Other means of identification:
Synonyms: No data available

Recommended use of the chemical and restrictions on use:
Recommended use: Lubricants and performance fluids for the automotive industry.
Restrictions on use: Uses other than those described above

Name, address, and telephone number of the chemical manufacturer, distributor, importer, or other responsible party: Advantage Dist. & Lubricants, LLC
3434 Marion Road SE
Rochester, MN 55904
United States of America
www.advantagelubes.com

Phone number: +01 (800) 424-9300 +01 (7289)-5555

E-mail address: 02/2022

Emergency phone number: CHEMTREC: +1 (800) 424-9300 International: +01 (703) 527-3887

2. Hazard(s) identification

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

GHS Hazard
Symbols:



GHS Classification: Skin Sensitizer Category 1
Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure
Category 2

Signal Word: Warning

Hazard Statements: May cause an allergic skin reaction; May cause damage to organs through prolonged or repeated exposure

Precautionary Statements:
Prevention: Do not breathe dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

Safety Data Sheet

Product identifier used on the label: DURAGARD® 100% SYNTHETIC SAE 50WT TRANSMISSION FLUID

Stock Number: DURSYNTRANS50

Revision Date: 04-02-2020

Replaces:

Response: If on skin: Wash with plenty of water. Get medical advice/attention if you feel unwell. Specific treatment (see Sections 4 - 8 of Safety Data Sheet). If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

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

Hazards not otherwise classified: No data available

% unknown toxicity (Oral): 2.01 % of the mixture consists of ingredient(s) of unknown toxicity.

% unknown toxicity (Dermal): 2.92 % of the mixture consists of ingredient(s) of unknown toxicity.

% unknown toxicity (Inhalation Dust): 2.92 % of the mixture consists of ingredient(s) of unknown toxicity.

3. Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS #	%
Highly refined synthetic base stocks	No data available	64742-54-7	45 - 70
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	No data available	68411-46-1	1 - 5
Reaction product, amines, polyethylenepoly	No data available	134758-95-5	1 - 5
Amines, C12-14-alkyl, C6-10-alkyl phosphates	No data available	68603-55-4	0.5 - 1.5
N N-bis(2-Ethylhexyl)-ar-methyl-1H-benzotnazole-1-methanamine	No data available	94270-86-7	0.1 - 1
Benzenesulfonic acid, propenated, calcium salt, overbased	No data available	68610-84-4	0.1 - 1

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.

Safety Data Sheet

Product identifier used on the label: DURAGARD® 100% SYNTHETIC SAE 50WT TRANSMISSION FLUID

Stock Number: DURSYNTRANS50

Revision Date: 04-02-2020

Replaces:

Eye Contact:	None expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard.
Skin Contact:	If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Ingestion:	No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this SDS.
Most important symptoms/effects, acute and delayed:	May cause an allergic skin reaction May cause damage to organs through prolonged or repeated exposure
Indication of immediate medical attention and special treatment needed, if necessary:	Specific treatment (see Sections 4 - 8 of Safety Data Sheet). Get medical advice/attention if you feel unwell.

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: Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.

Hazardous combustion products: Carbon dioxide, Carbon monoxide, Nitrogen containing gases, Sulfur containing gases

Special protective equipment and precautions for fire-fighters: Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use methods for the surrounding fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider

Safety Data Sheet

Product identifier used on the label: DURAGARD® 100% SYNTHETIC SAE 50WT TRANSMISSION FLUID

Stock Number: DURSYNTRANS50

Revision Date: 04-02-2020

Replaces:

the expertise of employees in the area responding to the spill.

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. Follow all protective equipment recommendations provided in Section 8.

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
Highly refined synthetic base stocks	5 mg/m ³	5 mg/m ³	10 mg/m ³	No data available

Appropriate engineering controls:

Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.

Individual protection measures, such as personal protective equipment:

Respiratory Protection:

Do not breathe dust/fume/gas/mist/vapors/spray.

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:

No special requirements under normal industrial use.

Safety Data Sheet

Product identifier used on the label: DURAGARD® 100% SYNTHETIC SAE 50WT TRANSMISSION FLUID

Stock Number: DURSYNTRANS50

Revision Date: 04-02-2020

Replaces:

Skin protection:	Where use can result in skin contact, practice good personal hygiene and wear impervious gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.
Gloves:	Neoprene, Nitrile
General hygiene conditions:	Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

9. Physical and chemical properties

Appearance (physical state, color etc.):

Physical state:	Liquid
Color:	Brown
Odor:	Mild
Odor Threshold:	Not determined
pH:	No data available
Melting point/freezing point:	
Melting Point:	No data available
Freezing point:	No data available
Initial boiling point and boiling range (°C):	No data available
Flash Point (°C):	237
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:	0.85
Solubility(ies):	Negligible; 0-1%
Partition coefficient: n-octanol/water:	No data available

Safety Data Sheet

Product identifier used on the label: DURAGARD® 100% SYNTHETIC SAE 50WT TRANSMISSION FLUID

Stock Number: DURSYNTRANS50

Revision Date: 04-02-2020

Replaces:

Auto-ignition temperature: No data available

Decomposition Temperature: Not determined

Viscosity: 114.1

10. Stability and reactivity

Reactivity: There are no known reactivity hazards associated with this product.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: None expected under standard conditions of storage.

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.
Moisture (will lead to product performance degradation).

Incompatible materials: Strong oxidizing agents

Hazardous decomposition products: Sulfur containing gases, Nitrogen containing gases, Carbon monoxide, Carbon dioxide

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): Skin contact

Symptoms related to the physical, chemical and toxicological characteristics: May cause an allergic skin reaction May cause damage to organs through prolonged or repeated exposure

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

Ingestion: No hazard in normal industrial use. Estimated to be > 5.0 g/kg.

Skin Contact: This material is likely to be slightly irritating to skin based on animal data. Can cause minor skin irritation, defatting, and dermatitis.

Absorption: Estimated to be > 5.0 g/kg; practically non-toxic

Inhalation: No hazard in normal industrial use. 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.
No hazard in normal industrial use.

Sensitization: May cause an allergic skin reaction

Safety Data Sheet

Product identifier used on the label: DURAGARD® 100% SYNTHETIC SAE 50WT TRANSMISSION FLUID

Stock Number: DURSYNTRANS50

Revision Date: 04-02-2020

Replaces:

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

Carcinogenicity: Not expected to cause cancer. This product meets the IP-346 criteria of <3% PAH's and is not considered a carcinogen by the International Agency for Research on Cancer.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Classification has been based on toxicological information of the components in Section 3.

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

Other information: None known.

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

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Benzenesulfonic acid, propenated, calcium salt, overbased	Oral LD50 Rat > 5000 mg/kg	Dermal LD50 Rat > 5000 mg/kg	
N N-bis(2-Ethylhexyl)-ar-methyl-1H-benzotriazole-1-methanamine	Oral LD50 Rat 3313 mg/kg	Dermal LD50 Rabbit > 2000 mg/kg	
Amines, C12-14-alkyl, C6-10-alkyl phosphates	Oral LD50 Rat 500 - 1000 mg/kg	Dermal LD50 Rabbit > 2000 mg/kg	
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	Oral LD50 Rat > 5000 mg/kg	Dermal LD50 Rat > 2000 mg/kg	
Highly refined synthetic base stocks	Oral LD50 Rat > 15000 mg/kg	Dermal LD50 Rabbit > 5000 mg/kg	

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): Slight ecological hazard. In high concentrations, this product may be dangerous to plants and/or wildlife.

Safety Data Sheet

Product identifier used on the label: DURAGARD® 100% SYNTHETIC SAE 50WT TRANSMISSION FLUID

Stock Number: DURSYNTRANS50

Revision Date: 04-02-2020

Replaces:

Ecological Toxicity Data:

Chemical Name	CAS #	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
N N-bis(2-Ethylhexyl)-ar-methyl-1H-benzotriazole-1-methanamine	94270-86-7	Aquatic EC50 (48h) Daphnia 2.05 mg/L	Aquatic ERC50 (72h) 0.976 mg/L	Aquatic LC50 (96h) 1.3 mg/L
Amines, C12-14-alkyl, C6-10-alkyl phosphates	68603-55-4	No data available	Aquatic EC50 (48h) 0.58 mg/L	Aquatic LC50 (96h) Rainbow Trout 1 - 10 mg/L
Highly refined synthetic base stocks	64742-54-7	Aquatic EC50 (48h) Daphnia > 1000 mg/L	No data available	Aquatic LC50 (96h) Rainbow Trout > 5000 mg/L

Persistence and degradability:	Biodegrades slowly.
Bioaccumulative potential:	Bioconcentration may 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):	None known.

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:

DOT Basic Description: Not regulated for road transport

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

UN number: Not regulated by IMDG

UN Proper shipping name: Not applicable

Safety Data Sheet

Product identifier used on the label: DURAGARD® 100% SYNTHETIC SAE 50WT TRANSMISSION FLUID

Stock Number: DURSYNTRANS50

Revision Date: 04-02-2020

Replaces:

Transport hazard class(es): Not applicable

Packing group, if applicable: Not applicable

International carriage of dangerous goods by air (IATA):

UN number: Not regulated by IATA

UN Proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group, if applicable: Not applicable

Environmental hazards (e.g., Marine pollutant (Yes/No)): None.

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:

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

Regulated Components:

Chemical Name	CAS #	CERCLA	Sara EHS	Sara 313	U.S. HAP
Highly refined synthetic base stocks	64742-54-7	N	N	N	N
Reaction product, amines, polyethylenepoly	134758-95-5	N	N	N	N
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	N	N	N	N
Amines, C12-14-alkyl, C6-10-alkyl	68603-55-4	N	N	N	N

Safety Data Sheet

Product identifier used on the label: DURAGARD® 100% SYNTHETIC SAE 50WT TRANSMISSION FLUID

Stock Number: DURSYNTRANS50

Revision Date: 04-02-2020

Replaces:

phosphates					
N N-bis(2-Ethylhexyl)-ar-methyl-1H-benzotriazole-1-methanamine	94270-86-7	N	N	N	N
Benzenesulfonic acid, propenated, calcium salt, overbased	68610-84-4	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
Highly refined synthetic base stocks	64742-54-7	N	N	N	N
Reaction product, amines, polyethylenepoly	134758-95-5	N	N	N	N
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	N	N	N	N
Amines, C12-14-alkyl, C6-10-alkyl phosphates	68603-55-4	N	N	N	N
N N-bis(2-Ethylhexyl)-ar-methyl-1H-benzotriazole-1-methanamine	94270-86-7	N	N	N	N
Benzenesulfonic acid, propenated, calcium salt, overbased	68610-84-4	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
Highly refined synthetic base stocks	64742-54-7	N	N	N	N	N
Reaction product,	134758-95-	N	N	N	N	N

Safety Data Sheet

Product identifier used on the label: DURAGARD® 100% SYNTHETIC SAE 50WT TRANSMISSION FLUID

Stock Number: DURSYNTRANS50

Revision Date: 04-02-2020

Replaces:

amines, polyethylenepoly	5					
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	N	N	N	N	N
Amines, C12-14-alkyl, C6-10-alkyl phosphates	68603-55-4	N	N	N	N	N
N N-bis(2-Ethylhexyl)-ar-methyl-1H-benzotnazole-1-methanamine	94270-86-7	N	N	N	N	N
Benzenesulfonic acid, propenated, calcium salt, overbased	68610-84-4	N	N	N	N	N

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

SDS Prepared by: DB_HAZOX
Revision Date: 04-02-2020
Revision Number: 9
Reason for revision: Activated by Document Formulation Generation
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.