



# Safety Data Sheet

Product identifier used on the label: DURAGARD® INDUSTRIAL R&O TURBINE 320

Stock Number: DURTURBINE320

Revision Date: 03-01-2021

Replaces:

## 1. Identification of the substance/mixture and of the company/undertaking

Product identifier used on the label:	DURAGARD® INDUSTRIAL R&O TURBINE 320
Stock Number:	DURTURBINE320
Other means of identification:	
Synonyms:	No data available
Recommended use of the chemical and restrictions on use:	
Recommended use:	Hydraulic Oil
Restrictions on use:	Uses other than those described above
Name, address, and telephone number of the chemical manufacturer, distributor, importer, or other responsible party:	<b>Advantage Dist. &amp; Lubricants, LLC</b> 3434 Marion Road SE Rochester, MN 55904 United States of America www.advantagelubes.com
Phone number:	+01 (800) 420-1414      +01 (507) 289-5555
E-mail address:	info@advantagelubes.com
Emergency phone number:	CHEMTREC: +1 (800) 424-9300 International: +01 (703) 527-3887

## 2. Hazard identification of the product

### 2.1. Classification of the substance or mixture

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200 or Regulation (EC) No 1272/2008

### 2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200 or Regulation (EC) No 1272/2008

#### [Prevention]:

No GHS prevention statements

#### [Response]:

No GHS response statements

#### [Storage]:

No GHS storage statements

#### [Disposal]:

No GHS disposal statements

# Safety Data Sheet

**Product identifier used on the label:** DURAGARD® INDUSTRIAL R&O TURBINE 320

**Stock Number:** DURTURBINE320

**Revision Date:** 03-01-2021

**Replaces:**

## 3. Composition/information on ingredients

There are no known ingredients in this product which are classified as hazardous.

## 4. First aid measures

### 4.1. Description of first aid measures

<b>General</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
<b>Eyes</b>	Irrigate copiously with clean fresh water for at least 10 minutes, holding the eyelids apart and seek medical attention.
<b>Skin</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. Do NOT use solvents or thinners.
<b>Ingestion</b>	If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>Overview</b>	No adverse symptoms or effects anticipated under normal handling conditions See section 2 for further details.
-----------------	--

## 5. Fire-fighting measures

### 5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray. Do not use; water jet.

### 5.2. Special hazards arising from the substance or mixture

Combustion may yield smoke, carbon monoxide, and other products of incomplete combustion. Oxides of sulfur, nitrogen or phosphorus may also be formed.

### 5.3. Advice for fire-fighters

Evacuate area. Prevent contamination from run-off of adjacent areas, streams, drinking water and sewers. Do not flush down sewers or other drainage systems. Exposed firefighters must wear standard protective equipment and in enclosed areas self-contained breathing apparatus. Use water-spray to cool fire exposed surfaces and personnel

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Keep all sources of ignition away from spill/release. In case of a major spill or spillage in a confined space evacuate the area and check vapor levels.

**Product identifier used on the label:** DURAGARD® INDUSTRIAL R&O TURBINE 320

**Stock Number:** DURTURBINE320

**Revision Date:** 03-01-2021

## 6.2. Environmental precautions

Do not allow spills to enter drains or watercourses.

## 6.3. Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapors or mists. Take the personal protective measures listed in section 8. Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13). Clean, preferably with a detergent. Do not use solvents. Do not allow spills to enter drains or watercourses. If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.

## 7. Handling and storage

### 7.1. Precautions for safe handling

Do not get in eyes on skin or on clothing. Do not breathe vapors or mists. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, smoking. Remove contaminated clothing and clean before re-use. Destroy contaminated belts and shoes and other items that cannot be decontaminated.

See section 2 for further details. - [Prevention]:

### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in dry, well-ventilated area away from excessive heat and incompatibles.

Incompatible materials: Oxidizing agents

See section 2 for further details. - [Storage]:

### 7.3. Specific end use(s)

See Technical Data Sheet

## 8. Exposure controls and personal protection

### 8.1. Control parameters

There are no known ingredients in this product which are classified as hazardous.

### 8.2. Exposure controls

<b>Respiratory</b>	If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
<b>Eyes</b>	Wear safety eyewear, e.g. safety spectacles, goggles or visors to protect against the splash of liquids.
<b>Skin</b>	Overalls which cover the body, arms and legs should be worn. Skin should not be exposed. All parts of the body should be washed after contact.
<b>Engineering Controls</b>	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
<b>Other Work Practices</b>	See Technical Data Sheet. No special requirements under ordinary conditions. When mists/aerosols can occur the following are recommended: 5 mg/m <sup>3</sup> - ACGIH TLV (inhalable fraction), 5 mg/m <sup>3</sup> - OSHA PEL. NOTE: Limits/standards shown for guidance only. Follow applicable regulations.

See section 2 for further details. - [Prevention]:

# Safety Data Sheet

Page 4 of 7

**Product identifier used on the label:** DURAGARD® INDUSTRIAL R&O TURBINE 320

**Stock Number:** DURTURBINE320

**Revision Date:** 03-01-2021

## 9. Physical and chemical properties

<b>Appearance</b>	Amber Liquid
<b>Odor</b>	Mild
<b>Odor threshold</b>	Not Measured
<b>pH</b> Not Determined	Not Measured
<b>Melting point / freezing point (°C)</b>	Not Measured
<b>Initial boiling point and boiling range (°C)</b>	Not Measured
<b>Flash Point</b>	>93 (°C) >200 (°F) Seta Closed Cup
<b>Evaporation rate (Ether = 1)</b>	Not Measured
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> Not Measured <b>Upper Explosive Limit:</b> Not Measured
<b>Vapor pressure (Pa)</b>	Not Measured
<b>Vapor Density</b>	Not Measured
<b>Specific Gravity</b>	Not Measured
<b>Solubility in Water</b>	Not Measured
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Auto-ignition temperature (°C)</b>	Not Measured
<b>Decomposition temperature</b>	Not Measured
<b>Viscosity (cSt)</b>	Not Measured
<b>VOC %</b>	Not Measured

### 9.2. Other information

DMSO extract by IP346: Less than 3.0 wt % (mineral oil component only)

## 10. Stability and reactivity

### 10.1. Reactivity

Not chemically reactive

### 10.2. Chemical stability

Stable under normal ambient and anticipated conditions of use.

### 10.3. Possibility of hazardous reactions

Hazardous reactions not anticipated.

### 10.4. Conditions to avoid

Extended exposure to high temperatures can cause decomposition. Avoid all possible sources of ignition.

### 10.5. Incompatible materials

Oxidizing agents

### 10.6. Hazardous decomposition products

Not anticipated under normal conditions of use.

**Product identifier used on the label:** DURAGARD® INDUSTRIAL R&O TURBINE 320

**Stock Number:** DURTURBINE320

**Revision Date:** 03-01-2021

## 11. Toxicological information

### Acute toxicity

There are no known ingredients in this product which are classified as hazardous.

## 12. Ecological information

### 12.1. Toxicity

No additional information provided for this product.

### Aquatic Ecotoxicity

There are no known ingredients in this product which are classified as hazardous.

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available

## 13. Disposal considerations

### 13.1. Waste treatment methods

Do not allow into drains or water courses. Wastes and emptied containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, whether the special waste regulations apply.

Dispose of contents in accordance with local and national regulations.

## 14. Transport information

**DOT Proper shipping name**

Not Regulated

**DOT Hazard Class**

Not Applicable

**DOT Packing group**

Not Applicable

**DOT Label**

None

# Safety Data Sheet

Page 6 of 7

**Product identifier used on the label:** DURAGARD® INDUSTRIAL R&O TURBINE 320

**Stock Number:** DURTURBINE320

**Revision Date:** 03-01-2021

<b>IMDG Proper Shipping Name</b>	Not Regulated
<b>IMDG Hazard Class</b>	Not Applicable
<b>IMDG Packing Group</b>	Not Applicable
<b>IMDG</b>	Marine Pollutant: no

<b>ICAO/IATA</b>	See bill of lading
------------------	--------------------

## 15. Regulatory information

**Regulatory Overview** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

**Toxic Substance Control Act ( TSCA)** All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

**WHMIS Classification** Not Regulated

**US EPA Tier II Hazards** **Fire:** No

**Sudden Release of Pressure:** No

**Reactive:** No

**Immediate (Acute):** No

**Delayed (Chronic):** No

**EPCRA 311/312 Chemicals and RQs (>.1%) :**  
(No Known Products)

**EPCRA 302 Extremely Hazardous (>.1%) :**  
(No Known Products)

**EPCRA 313 Toxic Chemicals (>.1%) :**  
(No Known Products)

**Proposition 65 - Carcinogens (>0.0%):**

.beta.-Naphthylamine

Benzenamine

Ethyl acrylate

Naphthalene

Naphthylamine

**Proposition 65 - Developmental Toxins (>0.0%):**

Toluene

**Proposition 65 - Female Repro Toxins (>0.0%):**  
(No Known Products)

**Proposition 65 - Male Repro Toxins (>0.0%):**  
(No Known Products)

**N.J. RTK Substances (>1%) :**  
(No Known Products)

**Penn RTK Substances (>1%) :**  
(No Known Products)

# Safety Data Sheet

Page 7 of 7

**Product identifier used on the label:** DURAGARD® INDUSTRIAL R&O TURBINE 320

**Stock Number:** DURTURBINE320

**Revision Date:** 03-01-2021

## 16. Other information

**Revision Number:**

4

**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.