

# International SDS Documents

**\*FOR INFORMATION REFERENCE ONLY.** A product specific SDS is included with each shipment. Use the SDS sent with each sample for information related to the product supplied per program cycle.

[Type text]

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## **TURBINE OIL**

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

According to OSHA Hazard Communication Standard, 29 CFR  
Date of issue:5-12-2015      Revision date:10-9-2017 :  
Version: 7.0

### **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

#### **1.1. Product identifier**

Product form : Mixture  
Product name : TURBINE OIL  
Product code : 001A0083

#### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

##### **1.2.1. Relevant identified uses**

: Laboratory Test Sample

##### **1.2.2. Uses advised against**

No additional information available

#### **1.3. Details of the supplier of the safety data sheet**

Clark Laboratories  
1801 Route 51 South  
Jefferson Hills, PA 15025  
412-387-1001

#### **1.4. Emergency telephone number**

##### **Transportation Emergency Response**

Chemtrec- 24 hour emergency response: (800)424-

9300

International Collect: +1 703 741 5970

SDS Assistance Email: sds@clarktesting.com

### **SECTION 2: Hazards identification**

#### **2.1. Classification of the substance or mixture**

##### **Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified

This material is not considered to be hazardous according to regulatory guidelines

#### **2.2. Label elements**

Under the criteria of Directive 1999/45/EC (dangerous preparations): Not classified

### **SECTION 3: Composition/information on ingredients**

#### **3.1. Substance**

Blend of synthetic esters and additives.

#### **3.2. Mixture (Hazardous Components)**

<b>COMPONENTS</b>	<b>CAS NUMBER</b>	<b>EC Number</b>	<b>AMOUNT (%)</b>
Highly refined mineral oil (C15-C50)	mixture	mixture	70-99%

### **SECTION 4: First aid measures**

#### **4.1. Description of first aid measures**

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation rest. : Allow breathing of fresh air. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion emergency medical attention. : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/injuries under anticipated conditions of normal use. : Not expected to present a significant hazard

#### **4.3. Indication of any immediate medical attention and special treatment needed**

No additional information available

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand. Unsuitable extinguishing media : Do not use a heavy water stream.

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

No additional information available

#### **5.3. Advice for firefighters**

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting equipment, including respiratory protection. : Do not enter fire area without proper protective

[Type text]

NFPA Hazard ID	Health: 0	Flammability: 1	Reactivity:
0			
HMIS Hazard ID:	Health: 0	Flammability: 1	Reactivity:
0			

## SECTSECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Equip  
cleanup crew with proper protection. Emergency procedures  
: Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleaning up : Soak up spills with inert solids, such as clay  
or diatomaceous earth as soon as possible. Collect spillage.  
Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTSECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with  
mild soap and water before eating, drinking or smoking and  
when leaving work. Provide good ventilation in process area  
to prevent formation of vapour.

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

Storage conditions : Keep only in the original container in a cool,  
well ventilated place away from : Direct sunlight., Heat  
sources. Keep container closed when not in use.

Incompatible products :  
Strong bases. Strong acids. Incompatible materials  
: Sources of ignition. Direct sunlight.

### 7.3. Specific end use(s)

No additional information available

## SECTSECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Highly Refined Mineral oil		
EU	IOELV TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Belgium	Limit value (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
USA - ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
USA - ACGIH	ACGIH STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>

### 8.2. Exposure controls

[Type text]

Personal protective equipment : Insulated gloves. Safety glasses.

Protective clothing. Avoid all unnecessary exposure. Hand protection

: Wear protective gloves

Eye protection : Chemical goggles or safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Wear appropriate mask



Other information : Do not eat, drink or smoke during use.

## SECTSECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state: Liquid Color: Colorless to yellow

Odour: Petroleum Odor

Odour threshold: No data available

PH: N/A Melting point: N/A

Freezing Point: N/A

Boiling point : 315 Celcius (599 F)

Flashpoint: Cleveland Open Cup- 190 Celcius, 374 Farenheit

data available Decomposition temperature

: No data available Flammability (solid, gas)

: Non flammable. Vapour pressure

: No data available Relative vapour density

at 20 °C : No data available

Relative density

: No data available

Density

: 0.86 kg/l @ 15.6 celcius (60.1 Farenheit)

Minimum

Solubility : insoluble in water.

Log Pow

: No data available Viscosity, kinematic

: 68 mm<sup>2</sup>/s Viscosity, dynamic

: No data available Explosive properties

: No data available Oxidising properties

: No data available Explosive limits

: No data available

### 9.2. Other information

No additional information available

## SECTSECTION 10: Stability and reactivity

[Type text]

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Not classified as hazardous

## SECTSECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Highly refined mineral oil	
LD50 oral (rat)	> 5000 mg/kg
LD50 dermal (rabbit)	> 2000 mg/kg

Skin corrosion/irritation : Not classified

Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified

Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified

Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified

Based on available data, the classification criteria are not met

Carcinogenicity : Not classified

Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified

Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified

## SECTSECTION 12: Ecological information

### 12.1. Toxicity

**This product is not expected to be harmful to aquatic organisms.**

### 12.2. Persistence and degradability

8

**This product is not expected to be harmful to aquatic organisms.**

### 12.3. Bioaccumulative potential No data available

### 12.4. Mobility in soil

No additional information available

[Type text]

**12.5. Results of PBT and vPvB assessment**

No additional information available

**12.6. Other adverse effects**

Additional information : Avoid release to the environment

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**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Ecology - waste materials : Avoid release to the environment.

**SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

**14.1. UN number**

Not regulated for transport

**14.2. UN proper shipping name**

Proper Shipping Name (ADR)

: Not Applicable Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA)

: Not applicable Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID)

: Not applicable

**14.3. Transport hazard class(es) ADR**

Transport hazard class(es) (ADR) : Not applicable

**IMDG**

Transport hazard class(es) (IMDG) : Not applicable

**IATA**

Transport hazard class(es) (IATA) : Not applicable

[Type text]

**A  
D  
N**

Transport hazard class(es) (ADN)  
: Not applicable

**R  
I  
D**

Transport hazard class(es) (RID)  
: Not applicable

#### **14.4.**

##### **Packing group**

Packing group (ADR)  
: Not applicable Packing group (IMDG)  
: Not applicable Packing group (IATA)  
: Not applicable Packing group (ADN)  
: Not applicable Packing group (RID)  
: Not applicable

#### **14.5.**

##### **Environmental hazards**

Dangerous for the environment  
: No

Marine pollutant  
: No

Other information supplementary information available : No

#### **14.6. Special precautions for user**

##### **- Overland transport**

No data available

##### **- Transport by sea**

No data available

##### **- Air transport**

No data available

##### **- Inland waterway transport**

No data available

##### **- Rail transport**

No data available

#### **14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

Section 15 Regulatory Information

**SECTISecsECTIODssss: Regulatory information**



[Type text]

## **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

### **15.1.1. EU-Regulations**

Contains no REACH substances with Annex XVII restrictions

### **SECSection 16: Other information**

References:

29 CFR 1910.1200 (2012)

EU Regulation 1907/2006

**NOTICE: The information presented herein is based on data considered to be accurate as of the date of preparation of this Safety Data Sheet. Adequate training and instruction should be given by you to your employees and affected personnel. Appropriate warnings and safe handling procedures should be provided by you to handlers and users. Additionally, the user should review this information, satisfy itself as to its suitability and completeness, and pass on the information to its employees or customers in accordance with the applicable federal, state, provincial or local hazard communication requirements. This SDS may not be used as a commercial specification sheet of manufacturer or seller, and no warranty or representation, expressed or implied, is made as to the fitness for use of the material, or the accuracy or comprehensiveness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, vendor neither assumes nor retains any responsibility for any damage or injury resulting from abnormal use, from any failure to adhere to appropriate practices, or from any hazards inherent in the nature of the material. Moreover, unless an employee or a customer accesses or receives a SDS directly from the company, there is no assurance that a document obtained from alternate sources is the most currently available SDS. The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.**

**Completed by Clark PTP Staff**

No Annex

# Domestic SDS Documents

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

According to OSHA Hazard Communication Standard, 29 CFR  
Date of issue:5-12-2015      Revision date:10-9-2017 :  
Version: 7.0

### **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

#### **1.1. Product identifier**

Product form : Mixture  
Product name : TURBINE OIL  
Product code : 001A0083

#### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

##### **1.2.1. Relevant identified uses**

: Laboratory Test Sample

##### **1.2.2. Uses advised against**

No additional information available

#### **1.3. Details of the supplier of the safety data sheet**

Clark Laboratories  
1801 Route 51 South  
Jefferson Hills, PA 15025  
412-387-1001

#### **1.4. Emergency telephone number**

##### **Transportation Emergency Response**

Chemtrec- 24 hour emergency response: (800)424-

9300

International Collect: +1 703 741 5970

SDS Assistance Email: sds@clarktesting.com

### **SECTION 2: Hazards identification**

#### **2.1. Classification of the substance or mixture**

##### **Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified

This material is not considered to be hazardous according to regulatory guidelines

#### **2.2. Label elements**

Under the criteria of Directive 1999/45/EC (dangerous preparations): Not classified

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Blend of synthetic esters and additives.

#### 3.2. Mixture (Hazardous Components)

COMPONENTS	CAS NUMBER	EC Number	AMOUNT (%)
Highly refined mineral oil (C15-C50)	mixture	mixture	70-99%

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation rest. : Allow breathing of fresh air. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion emergency medical attention. : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/injuries under anticipated conditions of normal use. : Not expected to present a significant hazard

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand. Unsuitable extinguishing media : Do not use a heavy water stream.

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

No additional information available

#### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting equipment, including respiratory protection. : Do not enter fire area without proper protective

NFPA Hazard ID	Health: 0	Flammability: 1	Reactivity:
0			
HMIS Hazard ID:	Health: 0	Flammability: 1	Reactivity:
0			

**SECTSECTION 6: Accidental release measures**

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

**6.1.1. For non-emergency personnel**

Emergency procedures : Evacuate unnecessary personnel.

**6.1.2. For emergency responders**

Protective equipment : Equip cleanup crew with proper protection. Emergency procedures : Ventilate area.

**6.2. Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

**6.4. Reference to other sections**

See Heading 8. Exposure controls and personal protection.

**SECTSECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

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

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight., Heat sources. Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids. Incompatible materials : Sources of ignition. Direct sunlight.

**7.3. Specific end use(s)**

No additional information available

**SECTSECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

Highly Refined Mineral oil		
EU	IOELV TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Belgium	Limit value (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
USA - ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
USA - ACGIH	ACGIH STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>

**8.2. Exposure controls**

[Type text]

Personal protective equipment : Insulated gloves. Safety glasses.

Protective clothing. Avoid all unnecessary exposure. Hand protection

: Wear protective gloves

Eye protection : Chemical goggles or safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Wear appropriate mask



Other information : Do not eat, drink or smoke during use.

## SECTSECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state: Liquid Color: Colorless to yellow

Odour: Petroleum Odor

Odour threshold: No data available

PH: N/A Melting point: N/A

Freezing Point: N/A

Boiling point : 315 Celcius (599 F)

Flashpoint: Cleveland Open Cup- 190 Celcius, 374 Farenheit

data available Decomposition temperature

: No data available Flammability (solid, gas)

: Non flammable. Vapour pressure

: No data available Relative vapour density

at 20 °C : No data available

Relative density

: No data available

Density

: 0.86 kg/l @ 15.6 celcius (60.1 Farenheit)

Minimum

Solubility : insoluble in water.

Log Pow

: No data available Viscosity, kinematic

: 68 mm<sup>2</sup>/s Viscosity, dynamic

: No data available Explosive properties

: No data available Oxidising properties

: No data available Explosive limits

: No data available

### 9.2. Other information

No additional information available

## SECTSECTION 10: Stability and reactivity

[Type text]

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Not classified as hazardous

## SECTSECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Highly refined mineral oil	
LD50 oral (rat)	> 5000 mg/kg
LD50 dermal (rabbit)	> 2000 mg/kg

Skin corrosion/irritation : Not classified

Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified

Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified

Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified

Based on available data, the classification criteria are not met

Carcinogenicity : Not classified

Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified

Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified

## SECTSECTION 12: Ecological information

### 12.1. Toxicity

**This product is not expected to be harmful to aquatic organisms.**

### 12.2. Persistence and degradability

8

**This product is not expected to be harmful to aquatic organisms.**

### 12.3. Bioaccumulative potential No data available

### 12.4. Mobility in soil

No additional information available

[Type text]

**12.5. Results of PBT and vPvB assessment**

No additional information available

**12.6. Other adverse effects**

Additional information : Avoid release to the environment

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**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Ecology - waste materials : Avoid release to the environment.

**SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

**14.1. UN number**

Not regulated for transport

**14.2. UN proper shipping name**

Proper Shipping Name (ADR)

: Not Applicable Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA)

: Not applicable Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID)

: Not applicable

**14.3. Transport hazard class(es) ADR**

Transport hazard class(es) (ADR) : Not applicable

**IMDG**

Transport hazard class(es) (IMDG) : Not applicable

**IATA**

Transport hazard class(es) (IATA) : Not applicable



[Type text]

**A  
D  
N**

Transport hazard class(es) (ADN)  
: Not applicable

**R  
I  
D**

Transport hazard class(es) (RID)  
: Not applicable

#### **14.4.**

##### **Packing group**

Packing group (ADR)  
: Not applicable Packing group (IMDG)  
: Not applicable Packing group (IATA)  
: Not applicable Packing group (ADN)  
: Not applicable Packing group (RID)  
: Not applicable

#### **14.5.**

##### **Environmental hazards**

Dangerous for the environment  
: No

Marine pollutant  
: No

Other information supplementary information available : No

#### **14.6. Special precautions for user**

##### **- Overland transport**

No data available

##### **- Transport by sea**

No data available

##### **- Air transport**

No data available

##### **- Inland waterway transport**

No data available

##### **- Rail transport**

No data available

#### **14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

Section 15 Regulatory Information

**SECTISecsECTIODssss: Regulatory information**

[Type text]

## **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

### **15.1.1. EU-Regulations**

Contains no REACH substances with Annex XVII restrictions

### **SECSection 16: Other information**

References:

29 CFR 1910.1200 (2012)

EU Regulation 1907/2006

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**Completed by Clark PTP Staff**

No Annex