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*It has been prepared in accordance with the Regulation on Registration, Evaluation, Authorization and Restriction of Chemicals (Official Gazette No. 23.06.2017-30105)*

## 1: Identification of the substance/mixture and company/distributor

### 1.1 Identity of the substance/mixture

Product name: **HEAT TREATMENT OIL**

### 1.2. Identified Uses of the Substance or Mixture and Uses Advised

Recommended Use: Industrial Oil

### 1.3. Safety Data Sheet Supplier Information

Manufacturer/Supplier: **Parkim Gres Industrial Oils San. And Trade. Inc.**

Address: İnönü Mahallesi Gebze Plastikçılar OSB Mahallesi 32. Sk . No: 11 41400 Gebze / Kocaeli

Telephone: +90 262 206 01 01      Email: [www.raschlubricant.com](http://www.raschlubricant.com)

Fax: +90 262 01 02

### 1.4. Emergency Phone Number

National Poison Information Center (UZEM): 114

## 2: Hazard Identification

### 2.1. Classification of Substance or Mixture

**Physical Damages:** It is not classified as harmful.

**Health Hazards:** It is not classified as harmful.

**Environmental Damages:** It is not classified as harmful.

### 2.2. Label Elements

There is no label element.

### 2.3. Other Damages

**PBT:** Not applicable.

**VPvP :** Not applicable.

**Note:** The DMSO extract test result of this product using the IP 346 method was found to be below 3% (m/m). For this reason, it is exempt from the phrase H350, with reference to 'Annex I entry in 21st ATP'.

### 3. Composition/Information on Ingredients

#### 3.1. mixes

Substance name	Cas No.	EC Number	Ratio( %)	symbols	Risk Units
Mineral Base Oil	Mixture	Mixture	65-95		-
Zinc alkyl dithiophosphate	68649-42-3	272-028-3	<=1.6	N, Xi	R51/53 R36/38R41
Methacrylate Copolymer	Registered		<=0.1	Xi	R36

### 4. First Aid Measures

#### 4.1. Description of First Aid Measures

**Eye Contact:** After cleaning your hands, hold your eyelids so that they do not touch each other and wash your face with water for at least 15 minutes . If there is ongoing irritation, consult a doctor.

**Skin Contact:** Wash thoroughly with soap and water. Clothes contaminated with oil should be removed and the area in contact with the skin should be washed with water . If there is ongoing irritation on the skin, a doctor should be consulted.

**Swallowing:** Vomiting should not be forced. The mouth should be washed with plenty of water. In case of nausea or other symptoms, consult a doctor with the ingested substance and the label of the substance.

**Inhalation:** Move person to fresh air. If you still have difficulty breathing, seek medical help.

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

**Eye contact:** There are no known specific symptoms.

**Skin contact:** There are no known specific symptoms.

**Ingestion:** There are no known specific symptoms.

**Inhalation:** There are no known specific symptoms.

#### 4.3. First signs of the need for medical intervention and special treatment

**to be given to the doctor :** Apply a treatment according to the symptoms.

### 5. Fire Fighting Methods

#### 5.1. Fire Extinguishers

**Suitable extinguishing media :** Foam, dry chemical powder, carbon dioxide, sand and earth can only be used on small fires.

#### 5.2. Special Hazards Resulting from the Substance or Mixture

Poisonous gases are formed as a result of combustion. It can burn at high temperatures.

#### 5.3. Recommendations for Appropriate Fighting Teams

It must be extinguished by trained personnel with appropriate fire protective clothing and an oxygen mask.

### 6. Accidental Release Measures

**Personal Precautions :** The emergency team is notified. Unauthorized people are removed from the environment. Open flame sources that may cause the spilled product to ignite are removed. When necessary, fire fighting measures in Section 5 are applied.

**Environmental Precautions:** To avoid leakage into water, a protective trench should be dug into the sewage and drainage systems and/or a section should be established for dry sand, soil or similar absorbent materials. Use floating dams for water leaks.

**Cleaning and Correction Methods :** Absorb the spilled product with absorbent or inert substance . Store in closed containers in a well-ventilated environment while removing waste material and the surface layer of oil-contaminated soil. Deliver the waste to the persons responsible for the disposal of hazardous waste appointed by the Ministry for disposal.

**Additional Warnings:** For larger spills, contact 112 .

### 7. Use and Storage

#### Transport

**Safety Precautions** Use the product in well-ventilated areas. Keep away from fire and heat source.

**Safe Handling Recommendations** Avoid contact with skin and eyes.

#### Storage: Technical Dimensions and Storage Conditions

**Suitable:** It is recommended to store base oils in surrounded or closed areas. It is recommended that the storage temperature be between 5°C and 40°C .

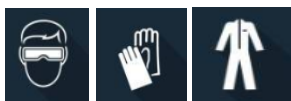
**Inconvenient:** Do not leave in direct sunlight and high temperature. Avoid contact with water and high oxidants.

#### Packaging Materials

**Recommended : Resistant to** hydrocarbons .

**Unsuitable:** Any other material.

## 8. Exposure Controls / Personal Protection



**Exposure controls:** Ensure good ventilation.

**Respiratory Protection:** No respiratory protection equipment is required during normal operation. In special cases ( such as a spill), a mask that protects the entire face should be worn, and in cases such as fire, protectors containing compressed air should be used.

**Hand Protection:** Gloves should be made of PVC or neoprene and gloves resistant to petroleum-derived substances should be used.

**Eye Protection:** When necessary, glasses with side protection or a protective visor should be used.

**Skin and Body Protection :** The use of special protective clothing is not required. Avoid contact with skin.

**Special Hygiene and Safety Precautions:** Smoking, eating and drinking are prohibited when handling this product. Hands should be washed before each break.

**Additional Warnings :** Oil-contaminated clothing and shoes should be removed immediately.

**Environmental exposure:** Points 6 and 7 are taken into account.

### 9. Physical and Chemical Properties

Features	Unit	Values	Method
Appearance	-	Yellow-Clear	-
Smell	-	Unique Smell	-
Pour Point	°C	Max. (-15)	ASTM D 6749
Flash Point (Open Cup)	°C	Min.200	ASTM D 92
Density, 15 °C	g / cm <sup>3</sup>	0.870	ASTM D 4052
Kinematic Viscosity, 100 °C	mm <sup>2</sup> / s	4.5-6.5	ASTM D 445
Kinematic Viscosity, 40 °C	mm <sup>2</sup> / s	20-26	ASTM D 445

### 10. Stability and Reactivity

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Excessive heat, high energy sources that could cause ignition

**Substances to avoid:** Flammable substances, strong oxidizers.

**Hazardous decomposition products:** There are no known hazardous decomposition products under normal conditions.

**decomposition product in contact with water :** None.

**Degradation and formation of unstable products:** There is no.

### 11. Toxicological Information

**Eye contact** Eye contact may cause temporary blindness.

**Contact with skin** Prolonged or repeated contact may cause skin irritation. Contact of the hot product with the skin causes skin burns.

**Ingestion** Harmful if swallowed, may cause poisoning.

**Inhalation** Inhaling mist or smoke may cause irritation of the eyes, nose and throat. The vapor of the hot product is irritating to the upper respiratory tract.

### 12. Ecological Information

**Ecotoxicity:** Harmful to aquatic organisms. Spills form a layer on the water surface and prevent oxygen passage.

**Mobility:** Spillages can penetrate the soil and cause ground water contamination.

**Continuity and Liquidation:** It has the ability to accumulate in soil.

### 13. Disposal Information

#### Disposal information / Waste information

It must be recycled within the scope of applicable laws and regulations. The used product must be delivered to licensed authorities for recycling or disposal in accordance with applicable laws and regulations. Empty packages can be dangerous because they may contain some product, and the product inside should be thoroughly drained. Used packaging must be delivered to licensed authorities for recycling or disposal in accordance with applicable laws and regulations.

### 14. Transportation Information

**ADR :** European Convention on the carriage of dangerous goods on international roads

**STOT:** Specific Target Organ Toxicity

**IATA:** Regulations for the Transport of Dangerous Goods by Air

**IMDG :** Dangerous Cargoes in International Maritime

**MARPOL:** Convention for the Prevention of Marine Pollution from Ships, 1973, as amended by the 1978 Protocol

**73/ 78 :** ( " Marpol " = marine pollution)

**PBT:** Persistent , Bioaccumulative and Toxic

**RID :** Regulation on the Transport of Dangerous Goods by International Rail

**STEL :** The limit value that should not be exceeded in 15 minutes.

**TWA :** Time-weighted average concentration measured or calculated for a specified reference period of 8 hours.

**vPvB :** Very persistent and very bioaccumulative .

### 15. Legal Information

This safety data sheet has been prepared in light of the information available at the time it was written. It is the user's responsibility to comply with all applicable laws and regulations and all necessary precautions regarding the use of the product. It cannot be stated or guaranteed, directly or indirectly, that the data in this information sheet is accurate or complete. The recommendations given are valid when this product is used for its specified applications. Our institution will not be responsible for any material damage or injuries that may arise from users' use of the product other than the specified one, failure to comply with the recommendations, or risks inherent in the material. This product should not be used for any purpose other than the specified applications without consulting us. Those who purchase this product to give and/or give it to third parties who will use it are responsible for passing on the information in this form to those who will use the product. Employers are obliged to explain the risks described in this form or the precautions to be taken to their workers and others who may be affected.

**S2** : Keep out of reach of children.

**S26** : In case of contact with eyes, rinse with plenty of water and seek medical advice.

**S29** : Do not discharge into drains.

**S39** : Wear protective glasses/mask.

**S46** : If swallowed, seek medical advice immediately and show the container or label.

### 16. Other Information

#### Key Information Sources

This Safety Data Sheet has been prepared based on the information received from our raw material suppliers.

#### Risk Phrases

**R41**: Risk of serious eye damage.

**R38**: Irritating to skin.

**R51/53** : Toxic to aquatic organisms. It may cause long-term side effects in the water environment.

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