



# Safety data sheet

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## 1. 1. PRODUCTS AND COMPANY IDENTIFICATION

Product name:	RUPEDL U104P 100% 10W40 SP
Application:	Lubricants
Company:	EXCELLENT PROFESSIONAL GROUP LIMITED
Address:	HSM Lubricants GmbH & Co. KG Antoniusweg 19 85386 Eching

## 2. Composition

Chemical properties	Mixture
Describe	Prepare base oil and additives.
CAS	64742-54-7

Identification	Chemical name/Classification	Concentration
CAS: 64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic, < 3 % IP 346, > 20,5 cSt @ 40°C	50 - <75 %
CAS: 64742-55-8	Distillates (petroleum), hydrotreated light paraffinic, < 3% DMSO (> 20.5 cSt 40°C)	10 - <25 %
CAS: 64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic, < 3 % DMSO (> 7 cSt 40°C, < 20.5 cSt 40°C) Asp. Tox. 1: H304 - Danger	1 - <2.5 %
CAS: 64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic, < 3 % IP 346, < 20.5 cSt @ 40°C Asp. Tox. 1: H304 - Danger	<1 %

## Hazard Identification

After inhalation	No significant hazard effect data.
After skin contact:	cause skin irritation.
After eye contact	May cause irritation to eyes.
After swallowing	No such valid data.

## 3. FIRST AID MEASURES

Inhale	1. Evacuate from exposure environment to fresh air. 2. Keep warm and at rest and seek medical attention.
Eye contact	Immediately rinse with clean water for more than 15 minutes, eyelids must be opened and cleaned, and sent to a doctor for treatment.
Skin contact	Wash immediately and thoroughly with soap and water.
Ingested	1. If swallowed, seek medical attention immediately. 2. Give plenty of boiled water when awake. 3. Do not induce vomiting, pay attention to the smoothness of the airway, and there should be no residue in the mouth.

**Environmental impact:** No such valid information

**Physical and chemical hazards:** high temperature will produce steam. Oil droplets in vapor may cause respiratory irritation.

**Special Hazards:** No significant special hazards.

## 4. Hazard prevention measures:

(1) Keep away from igniters - no fireworks.

(2) Avoid breathing gas/steam/smoke/mist, and pay attention to whether there is a risk of fire and explosion.

(3) Wear chemical-resistant safety goggles and an anti-organic solvent mask as required by the site conditions.

(4) Take off the clothes as soon as they are contaminated, and do not induce vomiting.

## 4. Fire Extinguishing Measures

Suitable extinguishing agent	Carbon dioxide, dry chemical powder, foam or mist, do not use water jets. When the fire is small, it can be covered with sand or mud.
Special hazards that may be	Toxic fumes, see item 10 for details.



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encountered during fire fighting	
Special protective equipment	Self-contained breathing apparatus, wearing NIOSH/MSHA approved SCBA body protection.
Special Fire fighting procedures	<ol style="list-style-type: none"><li>1. Firefighters must wear protective equipment and respirators, and fight fires upwind.</li><li>2. Stop the leakage and flow of oil and cover with fire extinguishing agent to isolate all fire sources in the leakage area. If there is no possibility of danger, enter the disaster area and remove the storage container as much as possible.</li><li>3. Cool the containers near the disaster area with water mist to prevent explosion until the fire is extinguished.</li><li>4. Please note that this oil is easy to react with oxidizing agents.</li><li>5. Avoid inhaling the toxic gas produced by high-temperature combustion, and avoid entering the disaster area.</li><li>6. Be careful not to directly spray the leaked oil with high-pressure water jets.</li><li>7. Try to use automatic or fixed fire extinguishing equipment to extinguish the fire, and avoid entering the disaster area.</li></ol>
<b>5. Spill Handling Method</b>	
Personal protective measures	<ol style="list-style-type: none"><li>1.Restrict entry and wear self-contained gear and protective clothing until spill area is completely clean.</li><li>2.Immediately issue a no smoking and no flame warning.</li><li>3.Make sure that trained personnel are responsible for the cleanup, and other personnel are kept away from the scene.</li></ol>
Environmental protection measures	<ol style="list-style-type: none"><li>1.Prevent from entering water sources, sewers, drains.</li><li>2.remove all ignition sources</li><li>3.Keep the leak area ventilated</li><li>4.Notify the government labor inspection unit and environmental protection related units.</li></ol>
Decontamination procedure	<ol style="list-style-type: none"><li>1.Recycle liquid as waste whenever possible.</li><li>2.Absorb spillage with oil-absorbing substances (eg, sand, earth) or falling objects.</li><li>3.Collection into covered containers is the best method of removal.</li><li>4.Under the security situation, try to prevent or leak.</li></ol>
<b>6. Safe Handling and Storage</b>	
Deal with	<ol style="list-style-type: none"><li>1.Do not smoke.</li><li>2.The operating area should be used in a well-ventilated place, and avoid using it near fire and heat sources.</li><li>3.Avoid breathing vapor and spray.</li><li>4.Avoid eye and skin contact with product.</li></ol>
To store	<ol style="list-style-type: none"><li>1.Store on floors with local fire regulations (see item 15 for details).</li><li>2.Store in a cool, dry, ventilated area away from heat and direct sunlight to avoid stress.</li><li>3.Storage should be grounded to prevent static electricity.</li><li>4.Containers should be clearly marked, tightly closed, and protected from damage and collision.</li><li>5.Use stainless steel, iron containers, gaskets such as PTFE, Viton, compressed asbestos, and rubber gaskets.</li><li>6. Store separately from incompatible materials.</li></ol>
<b>7. Exposure Precautions</b>	
Technical Measures/Precautions	No special safety measures are required.
Engineering control measures	Use only in well-ventilated areas.
Personal Protective Equipment	<ol style="list-style-type: none"><li>1.Respiratory Protection: In case of insufficient ventilation, use suitable respiratory equipment.</li><li>2.Hand Protection: Plastic or rubber impermeable gloves.</li><li>3.Eye Protection: Chemical safety goggles or full face shield.</li><li>4.Skin and Body Protection: Change contaminated clothing and clean before reuse. When working for a long time, wear impermeable clothes and work boots.</li></ol>



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## Sanitation measures

- 1.If splashed, wash or rinse thoroughly after work.
- 2.Smoking and eating are strictly prohibited in the workplace.
- 3.Wash hands thoroughly after handling this material.
- 4.Keep the workplace clean.

## 8. PHYSICAL AND CHEMICAL PROPERTIES

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

For complete information see the product datasheet.

#### Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Not available Not
Color:	available Not
Odor:	available Non-
Odour threshold:	applicable *

#### Volatility:

Boiling point at atmospheric pressure:	Non-applicable *
Vapour pressure at 20 °C:	Non-applicable *
Vapour pressure at 50 °C:	Non-applicable *
Evaporation rate at 20 °C:	Non-applicable *

#### Product description: Density at

20 °C:	867.3 kg/m <sup>3</sup>
Relative density at 20 °C:	0.867
Dynamic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:	~106.1 cSt
Kinematic viscosity at 100 °C:	~15.64 cSt
Concentration:	Non-applicable *

\*Not relevant due to the nature of the product, not providing information property of its hazards.

## 9. STABILITY AND REACTIVITY

<i>The stability</i>	<i>Stable</i>
<i>Conditions to Avoid</i>	<i>Any open flame source</i>
<i>Materials to Avoid</i>	<i>Strong inorganic and organic acids, oxidizing agents, water pollution.</i>
<i>Dangerous decomposition products to avoid</i>	<i>Carbon monoxide,volatile organic compounds and fuming vapors.</i>

## 10. TOXICOLOGICAL INFORMATION

**The following toxicological evaluation is based on knowledge of the toxicity of the product components.**

<i>Acute Toxic</i>	<i>Inhalation of heated oil mist droplets up to 5 mg/m<sup>3</sup> may cause discomfort, but is generally not harmful to the respiratory tract.</i>
<i>Skin Irritation</i>	<i>Can cause eczematous dermatitis, folliculitis, acne, pustules and melanosis.</i>
<i>Skin Allergies</i>	<i>Sometimes it can cause skin sensitivity to petroleum products in some people.</i>
<i>Subacute/Subchronic Toxicity</i>	<i>Unknown</i>
<i>Genotoxic</i>	<i>Unknown</i>
<i>Chronic Toxic</i>	<i>Inhalation: Repeated or prolonged inhalation may cause pulmonary fibrosis, lipoid pneumonia, lipogranuloma. Skin: Repeated or prolonged exposure may cause degreasing of</i>



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	the skin, dermatitis and symptoms of acute toxicity. Eyes: Repeated or prolonged exposure may cause conjunctivitis. Ingestion: No such available data.
Carcinogenic Substances:NTP	NO
IARC	NO
OSHA	NO
EC Enzyme System Classification (67/548/EEC)	NO
LD-50	Oral LD50 (static) 2000 - 4000 mg/kg (rat) Skin LD50 (static) > 3200 mg/kg (rab)

## 11. ECOLOGICAL INFORMATION

Environmental Assessment	When used and disposed of as intended, no adverse environmental effects are expected.
The Mobility	Contains volatile ingredients, insoluble in water.
Persistence and Degradability	Not biodegradable.
Bioaccumulative Potential	Unknown
Ecotoxicity	Slightly hazardous to water Do not allow undiluted product or large quantities of product to contact ground water, water courses or sewage system.

## 12. DISPOSAL CONSIDERATIONS

**Disposal must comply with local and national laws.**

Unused Product	Dispose of through authorized waste contactor to legal place.
Used/Contaminated Products	Dispose of through authorized waste contactor to legal place. Do not discharge into water sources, sewers, or drains.
The Packaging	Disposal must be through an authorized waste contactor.

## 13. TRANSPORT INFORMATION

**Shipping: DOT Hazard Class - Not Specified DOT: Not Hazardous**

**Domestic Shipping Policy:**

1. Article 84 of the Road Traffic Safety Regulations.
2. Rules for the loading of dangerous goods on ships.
3. The implementation rules of the Taiwan Railway Administration for the handling and transportation of dangerous goods.

United Nations Number	Not applicable
DOT	Non-dangerous goods
Air Transportation(ICA0 , IATA)	Non-dangerous goods
Ocean Freight(IMO , IMDG)	Non-dangerous goods
Road and Rail Transportation (ADR / RID)	Non-dangerous goods

## 14. REGULATORY INFORMATION

**Toxicity: Not a controlled product.**

**Applicable regulations:**

1. Occupational safety and health facilities rules.
2. Hazardous chemicals labeling and communication rules.
3. Organic solvent poisoning prevention rules.
4. Allowable exposure standards for labor workplaces.
5. Road traffic safety rules;
6. Waste disposal law;
7. Industrial waste storage, removal and treatment methods and facility standards;
8. Regulations on the management of road transport of dangerous goods;
9. Soil and groundwater pollution remediation law.
10. Designation and operation management methods of priority chemicals.
11. Measures for data registration of new chemical substances and existing chemical substances.



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## **15. OTHER INFORMATION**

Date :	06/12/2024
Revise:	New