Safety data sheet

1. 1. PRODUCTS AND COMPANY INDENTIFICATION	
Product name:	RUPEDL P-4152 SHPD 15W-40 CI4
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	68649-42-3
Hazard Identification	
After inhalation	No significant hazard effect data.
After skin contac:	Cause skin irritation.
After eye contact	May cause irritation to eyes.
After swallowing	No such valid data.

Environmental impact: no such valid data 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.

3. FIRST AID MEASURES	
Inhale	1.Quickly take the poisoned person away from the exposure area to a place with fresh air, and implement artificial respiration with an oxygen life preserver or similar equipment, and send to the hospital immediately if the symptoms persist.
Eye contact	1.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	1.Untangle contaminated items. Wash thoroughly with soap and water until no chemicals remain (at least 15-20 minutes). Get medical attention if symptoms persist.
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.
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 encountered during fire fighting	General combustion produces carbon dioxide, water vapor and other nitrogen oxides, and incomplete combustion produces carbon monoxide and smoke.
Special protective equipment	Self-contained breathing apparatus, wearing SCBA approved by NIOSH/MSHA for full body protection.
Special Fire fighting procedures	1. Firefighters must wear protective equipment and respirators, and fight fires upwind. 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. 3. Cool the containers near the disaster area with water mist to prevent explosion until the fire is extinguished.

	4. Please note that this oil is easy to react with oxidizing agents. 5. Avoid inhaling the toxic gas produced by high-temperature combustion, and avoid entering the disaster area.
5. Spill Handling Method	
Personal protective measures	1.Restrict entry and wear self-contained gear and protective clothing until spill area is completely clean. 2.Immediately issue a no smoking and no flame warning. 3.Make sure that trained personnel are responsible for the cleanup, and other personnel are kept away from the scene.
Environmental protection measures	1.Prevent from entering water sources, sewers, drains. 2.Remove all ignition sources 3.Keep the leak area ventilated 4.Notify the government labor inspection unit and environmental protection related units.
Decontamination procedure	1.Recycle liquid as waste whenever possible. 2.Absorb spillage with oil-absorbing substances (eg, sand, earth) or falling objects. 3.Collection into covered containers is the best method of removal. 4.Under the security situation, try to prevent or leak.
6. Safe Handling and Storage	
Deal with	1.Do not smoke. 2.The operating area should be used in a well-ventilated place, and avoid using it near fire and heat sources. 3.Avoid breathing vapor and spray. 4.Avoid eye and skin contact with product.
To store	1.Store on floors with local fire regulations (see item 15 for details). 2.Store in a cool, dry, ventilated area away from heat and direct sunlight to avoid stress. 3.Storage should be grounded to prevent static electricity. 4.Containers should be clearly marked, tightly closed, and protected from damage and collision. 5.Use stainless steel, iron containers, gaskets such as PTFE, Viton, compressed asbestos, and rubber gaskets. 6.Store separately from incompatible materials.
7. Exposure Precautions	
Technical Measures/Precautions	No special safety measures are required.
Engineering control measures	Use proper exhaust equipment to keep the concentration of oil mist droplets in the air below the recommended exposure standards.
Personal Protective Equipment	1.Respiratory Protection: In case of insufficient ventilation, use suitable respiratory equipment. 2.Hand Protection: Plastic or rubber impermeable gloves. 3.Eye Protection: Chemical safety goggles or full face shield. 4.Skin and Body Protection: Change contaminated clothing and clean before reuse. When working for a long time, wear impermeable clothes and work boots.
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	
Physical State: The Fluid	Freezing point: -27℃
Color: Brown	Odor: Odorless
PH : Not Tested	Boiling Range: 318~720℃
Self-Flammability:Not Tested	Flash Point: 228 ℃test method: open cup
Oxidizing Properties: Not Tested	Viscosities: 45.6mm²/s at 40°C
Vapor Pressure: <0.1 Kpa @20℃	Relative density (at 200°C): 0.8767 g/cm3

Density at 15 °C: 0.8767 g/cm327°C	Exploding: Product is not explosive. However, the formation of explosive air/ Vapor mixtures are possible.
Water Solubility: Not Soluble	Vapor density: > 5 g/cm3
9. STABILITY AND REACTIVITY	
The stability	Stable under normal temperature and pressure.
Conditions to Avoid	Any open flame source
Materials to Avoid	Strong inorganic and organic acids, oxidizing agents, water pollution.
Dangerous decomposition products to avoid	Carbon monoxide, volatile organic compounds and fuming vapors.
10. TOXICOLOGICAL INFORMATION	
The following toxicological evaluation is based on knowledge of the toxicity of the product components.	
Acute Toxic	Unknown
Skin Irritation	Non-irritant
Skin Allergies	Unknown
Subacute/Subchronic Toxicity	Unknown
Genotoxic	Unknown
Chronic Toxic	Unknown
Carcinogenic Substances:NTP	NO
IARC	NO
OSHA	NO
EC Enzyme System Classification (67/548/EEC)	NO
LD-50	CAS: 68649-42-3 Dithiophosphoric acid, O,O-di-C1-14-alkyl ester, zinc salt Oral LD50 >2,000 mg/kg (rat)
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(ICAO，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.

• Label Information	Unnecessary
• EC Annex Category 1	Not applicable
• R stage	Not applicable
• SARA 311 / 312	No
• S stage	No.
• Ozone Depleting Chemicals	Not applicable
• CERCLA	Non-hazardous
• TSCA	list all the components
• 40 CFR Part 372 (SARA Section 313)	Not applicable
• RCRA Hazard Class	Non-hazardous
• TSCA12B components	No

15. OTHER INFORMATION

Date :	**04/08/2018**
Revise:	**New**