



Safety data sheet

page 1 / 4

1. PRODUCTS AND COMPANY IDENTIFICATION

Product name:	RUPEDL U-NELA 5W/20 GF-5
Application:	Lubricants
Company:	EXCELLENT PROFESSIONAL GROUP LIMITED
Address:	HSM Lubricants GmbH & Co. KG Antoniusweg 19 85386 Eching

2. Composition

Chemical properties	Mixture
Describe	Mixture of the following substances with harmless additives
CAS	64742-54-7
EINECS	265-157-1
The index number	649-467-00-8
Registration Number	01-2119484627-25-0000

Distillate (Petroleum), Hydrotreated Heavy Paraffins Aspartate Toxin. 1 · H304 50-100%

3. 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.

4. FIRE FIGHTING MEASURES

Suitable extinguishing agent	Dry chemical (ABC or BC), carbon dioxide, foam and water spray for fire. Extinguish large fires with foam or use large amounts of fine water mist.
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. Steam Gas/air mixtures above the flash point can cause fire.
Special Protective Equipment	In case of fire, appropriate protective equipment or personal self-contained breathing equipment should be carried.
Special Fire Fighting Procedures	Firefighters must wear protective equipment and respirators, and fight the fire at the upwind. Stop the leakage and flow of oil and use fire extinguishing agent to isolate all fire sources in the leakage area. If there is no danger If possible, remove the storage container as much as possible when entering the disaster area. Cool containers near the affected area with water mist until the fire is extinguished. Please note that this oil reacts easily with oxidizing agents. Avoid inhalation of harmful gases produced by high-temperature combustion. Be careful not to directly spray the leaked oil with a high-pressure water jet. Try to use automatic or fixed fire extinguishing equipment to extinguish the fire, and avoid entering the disaster area.

5. Leakage Treatment Method

Personal Protection 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. remove all ignition sources 2.Keep the leak area ventilated 3.Notify the government 4.labor inspection unit and environmental protection related units.
Decontamination program	1.Recycle liquid as waste whenever possible.



Safety data sheet

page 2 / 4

	<ul style="list-style-type: none">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.
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6. Safe Handling and Storage Methods

Deal with	<ul style="list-style-type: none">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	<ul style="list-style-type: none">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.

7. Exposure Precautions

Technical Measures/Precautions	No special safety measures are required.
Engineering control measures	Use only in well-ventilated areas.
Personal protective equipment	<ul style="list-style-type: none">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	<ul style="list-style-type: none">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	Fluid
Color	Brown
Odor	Characteristic
PH (Concentrate)	Not tested
Boiling Point / Range (0C)	Not tested
Flash Point/Range (0C)	228 °C (DIN ISO 2592)
Pour point	-39 °C (DIN ISO 3016)
Self-flammability (0C)	Not tested
Oxidation properties	Not tested
Vapor pressure (kPa at 200°C)	Not tested
Water solubility	Not miscible or difficult to mix.
Density	0.849 g/cm ³ (DIN 51757)
Exploding	Not determined.

9. Stability and Reactivity

The stability	Stablize
Conditions to Avoid	Any open flame source
Materials to Avoid	Strong inorganic and organic acids, oxidizing agents, water pollution.



Safety data sheet

page 3 / 4

Dangerous decomposition products

No known hazardous decomposition products.

10. Toxicity Information

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

Skin irritation	Non-irritant
Skin allergies	Unknown
Subacute/Subchronic Toxicity	Unknown
Genotoxic	Unknown
Chronic Toxic	Unknown
Carcinogenic substances: NTP	NO
IARC (International Agency for Research on Cancer)	NO
OSHA (Occupational Safety and Health Standards)	NO
EC Enzyme System Classification (67/548/EEC)	NO
LD-50	CAS: 64742-54-7 Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts Oral LD50 >2,000 mg/kg (rat)
Acute Toxic	Unknown

11. Ecological Data

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 systems.

12. Disposal Methods

Disposal must be in accordance 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.
Package	Disposal must be through an authorized waste contactor.

13. Shipping Information

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

14. TRANSPORT INFORMATION



Safety data sheet

page 4 / 4

Land (as per ADR classification): Not regulated

This material is not classified as dangerous under ADR regulations.

IMDG

This material is not classified as dangerous under IMDG regulations.

IATA (Country variations may apply)

This material is not classified as dangerous under IATA regulations.

15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

• EC Classification	Not classified as dangerous under EC criteria
• EC Symbols	No Hazard Symbol required
• EC Risk Phrases	Not classified.
• EC Safety Phrases	Not classified.
• EINECS	Not established.
• TSCA	Not All components are listed

16. OTHER INFORMATION

Date :	27/08/2023
Revise:	08.2023
Further information obtainable from:	info@rupedloil.de