Safety Data Sheet
Mineral Base oil SN - 600

SECTION 1: Identification of the substance/preparation and of the company/undertaking	
1.1. Product identifier	
Trade name:	Mineral Base oil SN 600
Substance name:	Distillates (petroleum), heavy paraffinic.
CAS No.:	64742-54-7
HS code:	271019
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Recommended uses:	Base oil for further processing.
1.3. Details of the supplier of the safety data sheet	
Company:	Griniu for Environmental Solutions.
Address:	FACTORY: PLOT NO. (144 & 145) ATAKA INDUSTRIAL AREA - NORTH GULF OF SUEZ
zip Code:	43713
City:	Suez
Country:	Egypt
E-mail:	Info@griniu.com
Phone:	+20 10 03222201
Fax:	
1.4. Emergency Telephone: Call local emergency number or: +20 10 03222201	

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture The product shall not be classified as hazardous according to the classification and labeling rules for substance and mixtures.
2.2. **Label elements** The product shall not be classified as hazardous according to the classification and labeling rules for substance and mixtures.
2.3. Other hazards The product does not contain any PBT or vPvB substances.

SECTION 3: Composition/Information on ingredients

3.1. Substances

Distillates (petroleum) heavy paraffinic. substance with national work place exposure limits

Ingredient comments:

Non-carcinogenic as the content of DMSO is less than 3% (Note L).

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

Seek fresh air. Call poison center or doctor/physician if you feel unwell.

Ingestion:

Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Do not induce vomiting. If vomiting occurs, keep head low so that stomach contents do no enter lungs.

Seek medical advice in case of discomfort.

Skin contact:

Remove contaminated clothing. Wash skin with soap and water. In case of irritation: seek medical attention.

Eye contact:

Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

Burns:

Flush with water until pain ceases. Remove clothing that is not stuck to the skin – Seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.

General:

When obtaining medical advice, show the safety data sheet or label.

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

May cause slight irritation to the skin and eyes.

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

Treat symptoms. No special immediate treatment required.

SECTION 5: Fire-fighting measures.

5.1. Extinguishing media

Suitable extinguishing media: Extinguish with powder, foam, carbon dioxide or water mist.

Unsuitable extinguishing media: Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product decomposes when combusted and carbon monoxide, carbon dioxide and other toxic gases can be formed.

5.3. Advice for fire-fighters

Wear self-contained Breathing Apparatus (SCBA) with chemical resistant gloves.

Move containers from danger area if it can be done without risk. Avoid inhalation of vapors and flue gasses – Seek fresh air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures.

For non-emergency personnel: Provide adequate ventilation. Smoking and naked flames prohibited.

For emergency responders: In addition to the above: Normal protective clothing equivalent to EN 469 is recommended.

6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent, non-combustible material, and transfer to suitable waste containers.

6.4. Reference to other sections

See SECTION 8 for type of protective equipment. See SECTION 13 for instructions on disposal

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes.

Wash hands before breaks, before using re- Strom facilities, and at the end of work.

Smoking and naked flames prohibited.

Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment.

Do not heat up to temperatures near flashpoint.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc.

Store in a cool, dry place. Store only in original container.

Do not store with the following: Oxidizers/combustible substances.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit:

Contains no substances subject to reporting requirements.

Measuring methods:

Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

Legal basis:

EH40/2005 Workplace exposure limits 4th edition 2020.

8.2. Exposure controls

Appropriate engineering controls:

Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection:

Wear safety goggles of there is a risk of eye splash. Eye protection must conform to EN 166.

Personal protective equipment, skin protection:

Not required.

Personal protective equipment, hand protection:

Wear gloves. Type of material and thickness: Nitrile rubber, 0,33 mm., penetration time: >8 hours. Gloves must conform to EN 374.

Personal protective equipment, respiratory protection:

Not required. In case of mineral oil mist formation: Wear respiratory protective equipment. Filter type: A. P.

Respiratory protection must conform to one of the following standards: EN 136/140/145.

Environmental exposure controls:

Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Liquid
Color	2.5-3.5 ASTM D1500
Odor	Characteristic
Solubility	N/A
Explosive properties	N/A
Oxidizing properties	N/A

Parameter	Value/unit	Notes
pH (solution for use)	No data	
pH (concentrate)	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	>200 °C	
Flash point	MIN. 240 °C	ASTM D92
Evaporation rate	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Vapor pressure	No data	
Vapor density	No data	
Specific gravity	0.875-0.880	15°C ASTM D1298
Partition coefficient n-octanol/water	No data	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
Viscosity	Min 95 mm2/s	40°C ASTM D 445
Odor threshold	No data	

9.2 Other Information

Other information: None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions. Temperature: <200 °C

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid temperatures >200°C.

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

Carbon monoxide, carbon dioxide and other toxic gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity – Oral: The product does not have to be classified. Test data are not available.

Acute toxicity – Dermal: The product does not have to be classified. Test data are not available.

Acute toxicity – Inhalation: The product does not have to be classified. Test data are not available.

Skin corrosion/-irritation: The product does not have to be classified. Test data are not available. May irritate the skin – May cause reddening.

Serious eye damage/-irritation: The product does not have to be classified. Test data are not avail- able. May cause eye irritation.

Respiratory sensitization or skin sensitization: The product does not have to be classified. Test data are not available.

Germ cell mutagenicity: The product does not have to be classified. Test data are not available.

Carcinogenic properties: The product does not have to be classified. Test data are not available.

Reproductive toxicity: The product does not have to be classified. Test data are not available.

Single STOT-exposure: The product does not have to be classified. Test data are not available.

Repeated STOT-exposure: The product does not have to be classified. Test data are not available. **Aspiration hazard:** The product does not have to be classified. Test data are not available.

Other toxicological effects: None known.

SECTION 12: Ecological information

12.1. Toxicity

The product does not have to be classified. Test data are not available

12.2. Persistence and degradability

Non-biodegradable.

12.3. Bioaccumulative potential

The product is potentially Bioaccumulative.

12.4. Mobility in soil

Absorbs to dirt or other surfaces.

12.5. Results of PBT- and vPvB-assessment

The product does not contain any PBT or vPvB.

12.6. Other adverse effects

Oil products may cause soil and water pollution.

GRINIU Refining Resources. Fueling Progress.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste (Dir. 2008/98/EU). Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

Uncleansed packaging is to be disposed of via the local waste-removal scheme.

Category of waste:

EWC code: Depends on the line of business and use, for instance 130205* mineral-based non- chlorinated engine, gear, and lubricating oil.

SECTION 14: Transport information

14.1. UN-No.: Not applicable.

14.2. UN proper shipping name: Not applicable.

14.3. Transport hazard class(es): Not applicable.

14.4. Packing group: Not applicable.

14.5. Environmental hazards: Not applicable.

14.6. Special precautions for user

None.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

Special Provisions: None

German water hazard (WGK): 1

15.2. Chemical Safety Assessment

Other information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Abbreviations:

PBT: Persistent, Bioaccumulative and Toxic STOT: Specific Target Organ Toxicity

vPvB: Very Persistent and Very Bioaccumulative

Other information:

This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

Training advice:

A thorough knowledge of this safety data sheet should be a prerequisite condition.

Classification method:

Calculation based on the hazards of the known components.

Refining Resources. Fueling Progress.