

GE NP-600

(Anti-rust oil)

1. Summary

GE NP-600 is solvent-diluted anti-rust oil with low viscosity, developed to be suitable for steel and non-ferrous metals and for indoor medium- and long-term rust proofing.

Its high flash point and low viscosity enhances workability and the thin grease film formed after solvent evaporates is easy to remove while providing long-term rust prevention ability.

It is a multi-purpose anti-rust oil for long-term indoor use specifically designed in consideration of severe corrosion caused by pollution and corrosive gases in the industrial areas.

Its rust prevention life is suitable for 6 to 8 months of indoor rust prevention for general machinery, precision machinery and parts.

It achieves low degradation during use, high stability and superb rust preventive ability by using superior rust preventive additive.

The softly-formed rust prevention film is very easy to remove in post process.

After rust prevention, it can be easily removed with common solvent or alkaline cleaning agent.

2. Features

1) Its film is thin but provides very good rust preventive ability.

It achieves low viscosity, thin film and very good rust preventive ability by using high-quality rust prevention additive.

It displays superior acid resistance in corrosive environment subject to pollution and corrosive gas.

2) It has excellent oilstain proof characteristics.

In case of stacking storage of material, it provides good resistance against oil stain.

3) It is highly stable for all the metals.

It shows good anti-corrosiveness for all the metals including steel and non-ferrous metals and is very stable, too.

It does not corrode steel and non-ferrous metals.

4) Its film is thin but provides very good rust preventive ability.

It achieves low viscosity, thin film and very good rust preventive ability by using high-quality rust prevention additive.

It displays superior acid resistance in corrosive environment subject to pollution and corrosive gas.

5) It is very safe from fire risk.

Using solvent with high flash point, it is quite safe from fire risk.

6) It has good water separation ability.

Using special additive gives it excellent water separation ability.

7) It is low in skin irritation and odor.

It achieves low degree of skin irritation and odor by using highly refined base oil.

Having low volatility, it can be used in economical amount and it smells fairly good.

8) It has good degreasing characteristic in the post process.

Containing special additive, it is easy to implement degreasing, plating and painting in the post process.

3. Typical properties

Item	Specifications
Appearance	Yellowish-brown translucency
Specific gravity(15/4°C)	0.8
Kinematics viscosity (40°C, cSt)	2.5
Flash point (°C)	60

※ The description of the product is the data measured with our company's testing method.

4. Anti-rust property

Item	Specifications
Salt spray test	No rust for 48 hrs.
Humidity cabinet test	No rust at 480 hrs.

5. Recommended concentration for use

- 1) General machinery parts, pipe, steel and steel alloy.
- 2) Precision machinery and parts.

6. Precautions in rust proofing

- 1) The material's cleanliness must be maintained before inunction of anti-rustoil so that rust proofing can take effect. If rust or moisture contamination remains on the material before inunction, the rust preventive effect would be decreased.
 - 2) Because the formed film is soft, damage to the film during transportation or packaging after inunction could decrease the rust proofing effect.
 - 3) The rust preventive effect depends on the packaging condition or atmospheric humidity.
- ☞ As the rust proofing period and usage can be varied in the material's cleanliness, application method, service condition, etc., they should be adjusted and verified according to the situations user is in.

7. Usage.

- 1) Use the undiluted solution as it is.
- 2) When transfusing product for the first time.
 - ① Completely remove the oil currently being used from the tank.
 - ② Clean the inside of tank so that no contaminated product and contaminants like tramp oil, chip, etc. remains.
 - ③ Neatly clean the inside and surroundings of equipment as well as inside the plumbing so that no residue of used oil, tramp oil, chip, etc. remain.
 - ④ Put a little amount of product to be applied to execute overall cleaning.
 - ⑤ If sensitive to the skin, please apply skin protection cream before commencing work.

8. How to manage the currently used oil.

- 1) Please prevent the mixing of moisture.
- 2) If the oil temperature is too high, please stop the working until it cools down.
- 3) The chip and tramp oil being mixed should be regularly removed.
- 4) Please be careful not to use it together with other product, as it could cause trouble.
In case it happens, Please be sure to check with the product supplier to see if it's OK before using it.
- 5) Depending on the necessity, the sludge had better be left as it is for a day before removal.
- 6) Dust collecting system is needed to prevent mist and smoke.
- 7) In case materials, processing method or tools are changed, please be sure to discuss with product supplier before using them.
- 8) If problem occurs while using the product, please be sure to discuss with product supplier.
- 9) The used oil must be regularly analyzed.
- 10) If insoluble product is used throughout all the processes, the product should be removed as much as possible.

9. Instructions.

- 1) Harmfulness.
 - ① Swallowing it into the respiratory tract could be harmful.
 - ② Inhaling it could be harmful.
 - ③ It could irritate the respiratory organs.
 - ④ It could irritate the skin in contact.
 - ⑤ It could have long-term harmful effect on aquatic organisms.
 - ⑥ If unusual symptoms show up in your body, immediately get doctor's help.
- 2) When handling it.
 - ① Please be sure to read through the instruction manual before using it.
 - ② When using the product, never try eating, drinking or inhaling it.
 - ③ When handling the product, please use protective gears such as rubber gloves, etc.
 - ⑤ Heating it up directly could start a fire.

⑥ Please do not mix it with combustibles.

⑦ Keep it away from inflammables at all times and beware of fire.

3) After Handling it.

① When going to the bathroom, having a meal or leaving work, please wash your hands thoroughly.

② The clothes worn during working should be laundered separately from other clothes.

10. Storage method.

1) After use, please seal it and then store it in dry place.

2) Please store it in the indoor place without any heat source or direct sunlight.

3) To prevent moisture from getting mixed, it should be stored by being laid on the side.

11. Discarding.

The vessel and the content should be discarded according to the details specified in the relevant regulations.

12. Packing unit.

20 liter and 200 liter.