

# POWER FLUSH

## Cleaning agent for oil flushing

Sediment of degraded oil and external contaminants are often accumulated in piping such as hydraulic equipment and turbine equipment that have been used for a long time. If these are not sufficiently removed during oil change, malfunction of the valve or clogged filter may occur. **POWER FLUSH** is a flushing aid developed to allow more efficient work when you flush the inside of piping such as hydraulic equipment and turbine equipment.

### ● SPECIAL FEATURES

#### Excellent flushing effect

**POWER FLUSH** enhances the flushing effect because it has a high ability to dissolve and disperse sediment of degraded oil and other organic substances accumulated in pipes.

### ● APPLICATIONS

Add **POWER FLUSH** to flushing oil during oil flushing.

### ● HOW TO USE POWER FLUSH

- ① It is best to add 1% of **POWER FLUSH** to the amount of oil used for flushing and circulate for about 1 to 2 months.
- ② The method of adding **POWER FLUSH** to the equipment during operation is also effective, where one to two months before the oil change is scheduled.
- ③ Even if you add a large amount (2% or more) of **POWER FLUSH**, even if you use it more than two months, the effect will not change.
- ④ If the inside of the pipe is dirty, **POWER FLUSH** will dissolve the dirt, so the color of the flushing oil containing **POWER FLUSH** will normally be dark brown.
- ⑤ In order to clean the inside of the facilities more, we recommend to flush with fresh oil again after flushing work using **POWER FLUSH**.

### ● CAUTION (About the remaining POWER FLUSH)

Since **POWER FLUSH** does not chemically react with various additives used for mineral oil type hydraulic fluid and turbine oil, there is no practical problem even if it remains a little in the equipment.

However, if it remains in large quantities, the properties of the used oil may change, so it is important to minimize residual oil as much as possible.

### ● SHIPPING CONTAINERS

20-liter cans

### ● TYPICAL PROPERTIES OF POWER FLUSH

Appearance			Light yellow, Liquid
Color	(ASTM)		L0.5
Density	(15 °C)	g/cm <sup>3</sup>	0.849
Kinematic viscosity	(40 °C)	mm <sup>2</sup> /s	56.0
Flash point	(PM)	°C	64
Pour point		°C	-12.5
Acid number		mgKOH/g	0.01

Note: The typical properties may be changed without notice. (September 2018)



## Handling Precautions

▼ Follow these precautions when handling this product.

<b>Composition :</b>	Mixtures(Highly refined mineral oil,Normal Paraffins,Hydrotreated heavy naphtha)
<b>Precautionary pictograms:</b>	
<b>Signal word:</b>	Warning
<b>Hazard Statement:</b>	Combustible liquid Causes skin irritation. Harmful to aquatic life Harmful to aquatic life with long lasting effects.
<b>Precautionary Statements:</b> <b>Prevention</b>	<ul style="list-style-type: none"><li>• Do not handle until all safety precautions have been read and understood. (P202)</li><li>• Wear protective gloves/protective clothing/eye protection/face protection. (P280)</li><li>• Do not allow the eyes to become exposed to the product. Do not swallow the product.</li><li>• Keep away from heat/sparks/open flames/hot surfaces – No smoking. (P210)</li><li>• Use explosion-proof electrical/ventilating/lighting/equipment. (P241)</li><li>• Avoid release to the environment. (P273)</li><li>• Ground/bond container and receiving equipment. (P240)</li><li>• Wash hands thoroughly after handling.</li><li>• Do not eat, drink or smoke when using this product. (P270)</li></ul>
<b>Response</b>	<ul style="list-style-type: none"><li>• IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. (P301+P310)</li><li>• IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. (P301+P330+P331)</li><li>• If the eyes are exposed to the product: Rinse the eyes with plenty of running water and immediately contact a physician.</li><li>• IF ON SKIN: Wash with plenty of soap and water. (P302+P352)</li><li>• Take off contaminated clothing and wash before reuse. (P362+P364)</li><li>• If skin irritation occurs: Get medical advice/attention.(P332+P313)</li><li>• In case of fire: Use ... for extinction (P370+P378)</li></ul>
<b>Storage</b>	<ul style="list-style-type: none"><li>• The product must be stored in a cool, well-ventilated location where it will not be exposed to direct sunlight.</li><li>• Containers that have been opened must be tightly sealed.</li><li>• Store in a well-ventilated place. (P403)</li><li>• Store in a well-ventilated place. Keep cool. (P403+P235)</li><li>• Store locked up. (P405)</li></ul>
<b>Disposal</b>	<ul style="list-style-type: none"><li>• Dispose of contents/container in accordance with local/regional/national/international regulations.</li><li>• If there are any doubts about proper methods of handling the product, contact the point of purchase before proceeding with usage.</li></ul>