

Product Denomination: **STOIL WF**
Issue Version: 12.12.2006

STOIL WF is developed by PETROYAG as a pharmaceutical quality emulsifiable (in water) product. This product includes special additives to prevent static charging.

ADVANTAGES

- STOIL WF is preferred due to its conformance to Food Codex.
- It does not cause bacterial growth and bad smell.
- It ensures that the printing and lamination works, for the woven bags, particularly big-bag and other fabrics, are made properly.
- It does not cause any corrosion on rollers and other parts of the machines, does not cause any clogging problems so decreases maintenance costs.
- It does not cause any skin irritation for the personnel who have contact with the product.

HANDLING AND STORAGE

When preparing a new emulsion with STOIL WF, the water should be chosen carefully (soft water recommended) and the containers should be clean enough to have a long effective emulsion life.

When preparing a new emulsion, product should be put into water by mixing.

The product must be kept at temperatures between +5°C and +50°C, and this temperature must be arranged to the ambient temperature one day prior to use during cold weather.

Packaging will be in 16 kg tin and 180 kg sheet barrels.

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TYPICAL VALUES	TEST METHOD		RESULTS
Specific Gravity, at 15°C	ASTM D 1298		0.863 – 0.877 gr/cm ³
Flash Point, °C ,COC	ASTM D 92		min. 220
Viscosity, cSt 40 °C'de	ASTM D 445		47– 57 Cst
Viscosity, cSt 100 °C'de	ASTM D 445		6.5 - 8.5 Cst
V.I.	ASTM D 2270		99
Emulsion Stability (Concentration 5%)	Water %	Emulsion %	Oil %
After 5 minutes	0	100	0
After 12 hours	0	99.7	0.3

APPLICATION

1. It provides highly stable emulsions with water in 4 to 5 % concentration for propylene and polyethylene based Big-Bag and Column Production.

It has Food Codex Report required as raw material input especially for the bags used for food packaging (flour, sugar, rice etc..) (Ministry of Health, Hygiene Institute, B.10.1.RSH.0.00.00.09-06/2159)

The machines used for this purpose and their usage rates are given below:

<u>Machinery Used</u>	<u>Rate of Usage (%)</u>
H.D.N 4-6	4
H.D.N 8	5
SL/ 4- SL/6	4
SL/61-62	4.5
SL/8	5
Tori, Taiwan, Lenzing	4
Tight Weaving Machines	4

2. It is used as releasing agent for production process of hygienic papers such as paper towel and napkins. It is applied by directly mixing in paper pulp or spraying on rollers.