

Speciality Chemicals and Auxiliaries

- Temporary -
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DIGESTER ADDITIVE

MEISANOL PS-70 CONC

MEISANOL PS-70 CONC is a specific surfactant which can improve penetrating ability of cooking liquor into wood chips.

MEISANOL PS-70 CONC has superior capability for reducing Kappa number, knots caused by insufficient cooking process and effect for deresination of pulp could be expected.

PROPERTIES

Appearance	Pale yellowish transparent liquid
Ionic activity	Weak anion
pH	Acidic
Active content	90%
Solubility	Easily soluble in water

CHARACTERISTICS

Meisanol PS-70 Conc has following characteristics.

1. It accelerates penetration of cooking liquor into wood chips and also it can reduce Kappa number and AA charge.
2. As it has superior capability for reducing knots caused by insufficient cooking process, production yield will be increased.
3. By improving Delignification capability at cooking process, impurities in pulp can be reduced and then pitch trouble will be decreased, as a result.

Application

1. Dosage

Suitable dosage of Meisanol PS-70 Conc is 0.2~0.4kg/ADT pulp.

2. Feeding

For both batch and kamyrdigester, it is recommended that Meisanol PS-70 Conc should be diluted 10 to 20 times against white liquor amount before adding to the digester.

Test result

	Dosage (kg/ADT pulp)	Kappa number	DCM Extractives (%)	Knots (% at BD chips)
Blank	—	14.05	0.46	4.7
PS-70 Conc	0.25	13.61	0.34	2.9

Cooking condition

Wood chips used	:	Acacia Mangium
White liquor concentration	:	108 g/L
Sulfidity of white liquor	:	27.8 g/L
AA Charge	:	18 %
Chip : Liquor	:	1 : 4
Cooking temperature	:	165 °C
Cooking time	:	60 min

Caution on Use

Information for Hazard

Possible hazard

- Not inflammable

Handling and storage

- Store in well ventilated place under tightly sealed.

Measures in case of fire

• Extinguish method :

- Normally, the product does not burn and there is no need to pay attention to the fire disaster.

However, after evaporation of the water contained, the product will burn if contact to the fire so that it must be handled as oil fire.

- Fire fighting should be done from windward and wear respirator in response to the circumstances.

• Extinguish agent :

- Water spray, powder, CO₂, foam are effective.

Measure in case of unintentional release

- When working to prevent the spread of effluent or to clean a stained area, wear proper protectors and work from windward.
- In case of small quantity, soak up liquid with absorbent and treat under the local regulations.
- In case of big amount, prevent effluent by surrounding with piled soil or sand bags and treat after led to the safe place not to enter to the water sources.

Information for Harmfulness

Possible harmfulness

- Irritation for eyes : Causes eye irritation.
- Irritation for skin : May irritate depending upon the constitution.

Caution on handling and storage

- Handling in well ventilated place
- Wear protectors to avoid direct contact with eyes and skin
- Protectors
 - Protection for eyes : Goggles
 - Protection for hands : Rubber gloves
 - Protection for body : Rubber apron
- Store at cool place (5°C to 40°C) with airtight capped and avoiding from Sun-light.
- Never fall down, drop and drug the container to avoid leak.

First aid measure

- After contact with eyes
 - Wash with running water for at least 15 minutes. Consult a doctor immediately.
- After contact with skin
 - Flush the contacted parts with water or lukewarm water and with soap.
- After inhalation
 - Take affected person into fresh air.
- After swallowing
 - Induce vomiting with plenty of water or saline water and consult a doctor.

Environmental Information

Data relating environment

	Value (mg/L)	Method
BOD	Under measurement	JIS K 0102 (1g/L)
CODMn	Under measurement	JIS K 0102 (1g/L)
Extract by n-Hexane	Under measurement	JIS K 0102 (1g/L)

(Data in house)

Note on disposal

- When disposing, incinerate in the fire box of incinerator by spraying.
- To be requested to the disposal treatment company registered by governor of prefecture.
- Drainage containing this product should be discharged after a treatment by the activated sludge process etc.

Storage

- Keep it at the range of 5 to 40°C and keep container tightly sealed.

Caution on transportation

Notes for transportation

International regulation's information

UN Classification

: Not classified in dangerous goods at United Nation's regulation.

Particular safety systems and conditions for transportation

: When transportation, ensure no damage, no corrosion, no leakage and no wetting and then to load without falling down, drop and damage and then to prevent from load shifting certainly.

FOR YOUR PRODUCTION

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