

Paint Killing Agent

YPK - 101

! APPLICATION

1. YPK-101 is a strongly cationic liquid primary flocculant specially developed for obtaining water of great clarity.
2. YPK-101 is especially suitable for treating industrial water containing colloidal suspensions.
3. YPK-101 is recommended for liquid/solid separation processes.
4. YPK-101 is paint coagulant chemical.(wet spray booth treatment)
5. YPK-101 is a liquid cationic polymer which can be used as a primary flocculant in place of conventional metallic salts (alum, ferric chloride) in the clarification of surface water and waste water.

! CHARACTERISTICS

1. Easy to use
The fact that YPK-101 is free flowing makes it easy to handle, especially the operations of diluting it and feeding it into the medium requiring treatment.
2. Economical to use - Highly effective in small doses.
3. YPK-101 does not contain any metals
4. Can be used over a wide pH range
5. Improves flow rates and the need to remove decanter sludge is less frequent.
6. Improved settling of the sludge and better compacting.
7. Improved clarity of the water.

! PROPERTIES

1. Appearance : Colorless or white liquid
2. pH : 3.0 ± 1.5
3. Specific gravity (25°C) : 1.05 ± 0.05
4. Flash point : No
5. Freezing point : $< -5^{\circ}\text{C}$

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HOW TO USE

1. YPK - 101 should be added to the medium requiring treatment by means of a corrosion-resistant metering pump.
2. It is preferable to dilute it beforehand in clear water in proportions of 1 part per 100, before adding it to the medium requiring treatment.
3. Best results will be achieved by dispersing the dilute YPK-101 and mixing it rapidly by stirring briskly so as to cause a high level of turbulence beyond the point where it is added.

Amounted To Use

- paint booth system	start add	100 ppm
	sequence add	20 ppm
- surface water	5-50 ppm	
- industrial water	25-500 ppm	
- sewage water	50-150 ppm	

HANDLING AND STORING

1. YPK-101 can be stored in glass or plastic containers or in epoxy coated steel drums. Do not use aluminium or mild steel containers.
2. Protect the face and hands with a mask and rubber gloves to avoid the direct contact with YPK-101
3. In the case of the direct contact, the affected area should be immediately washed with running water throughly

PACKING STYLE

200Kgs PE Drum

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APPLICATION OF YPK - 101**EXAMPLE 1 AUTOMOBILE PLANT**

- 1) Chemicals : YPK - 101, anion polymer Flocculant
- 2) Test solution (waste water) : suspension solution of acryl synthetic resin paint
- 3) Paint concentration : 3,000 mg/L
- 4) pH : 7.01
- 5) Result

Condition	YPK - 101 (% compared with paint)	pH (application)	Attach amount of paint
Blank	-	7	1.2
A	1	5	0.42
B	1	8	0.26
C	1	9	0.13
D	2.5	7	0