

# CELLULOSE INDUSTRIES PRODUCTS



# DST 200 ANTIFOAM

## PHYSICAL – CHEMICAL CHARACTERISTICS

**APPEARANCE: WHITE EMULSION**

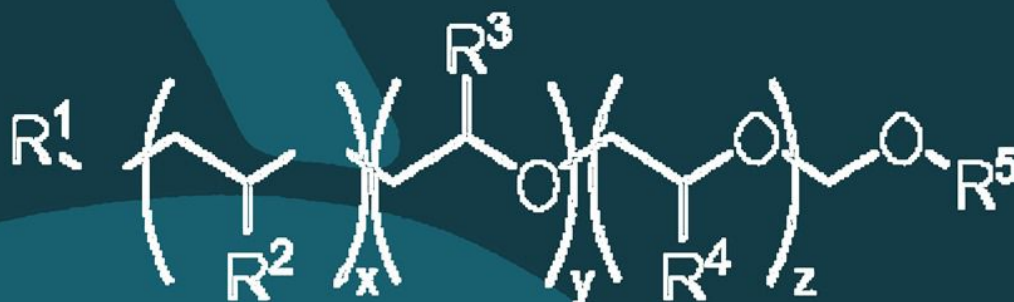
**PH: 8,5±1,0 (@ 20°C)**

**DENSITY: 0,96 +/- 0,4 (@ 20°C)**

**WATER SOLUBILITY : WATER SOLUBLE**

## PROPERTIES

**DST 200 IS ALKYL POLYGLYCOL BASED. DST 200, A PRODUCT WE RECOMMEND FOR PREVENTION OF FOAM FORMATION WHICH AFFECTS PRODUCTION CONTINUITY AND CAUSES QUALITY DISORDERS, IS USED IN PAPER AND CELLULOSE INDUSTRY, IN PULP CIRCUITS, IN A WIDESPREAD WAY. IT DOES NOT CONTAIN ALKYL PHENOL ETOXYLATES AND IS READILY WATER MISCIBLE.**



## STORAGE LIFE

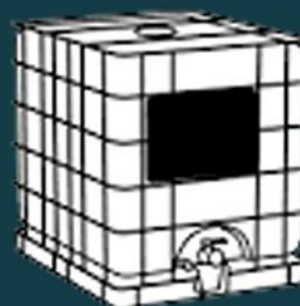
**3 MONTHS IN SEALED PACK, UNDER NORMAL CONDITIONS.**

**NOTE: STORAGE UNDER 5°C AND UNDER HIGH TEMPERATURES MUST BE AVOIDED. PROTECTIVE GOGGLES AND GLOVES MUST BE WORN WHILE HANDLING THIS PRODUCT. IT IS HARMFUL FOR SKIN AND EYES.**

## PACKAGING

**In 20 lt drums**

**In 1000 lt IBC containers**



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# DST 220 ANTIFOAM

## PHYSICAL – CHEMICAL CHARACTERISTICS

**APPEARANCE: WHITE LIQUID**

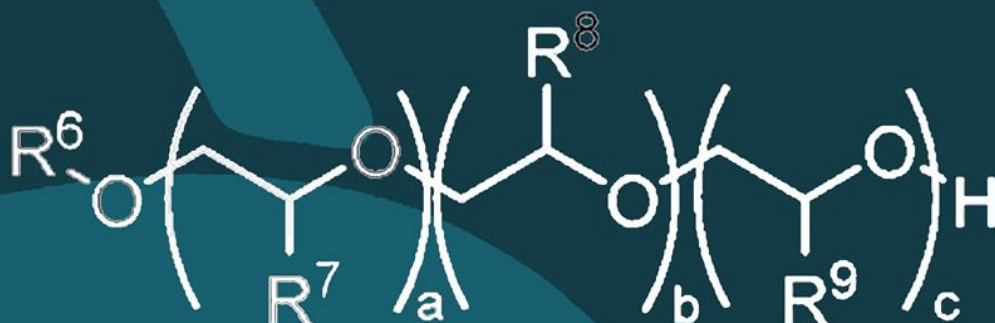
**CHEMICAL COMPOSITION: SILICONE**

**EMULSION SOLUBILITY: WATER DISPERSABLE**

**PH (2% ACQ. SOL.): 6.5 ± 1.0**

## PROPERTIES

**DST 220 IS AN OIL-BASED EFFICACIOUS ANTIFOAM. IT HAS A WIDE pH RANGE (4-11). IT IS A PRODUCT WE RECOMMEND FOR PREVENTION OF FOAM FORMATION WHICH AFFECTS PRODUCTION CONTINUITY AND CAUSES QUALITY DISORDERS. DOSAGE AMOUNT MUST BE ADJUSTED BY TESTING UNDER ACTUAL OPERATING CONDITIONS.**



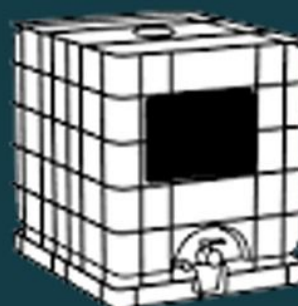
## STORAGE LIFE

**18 MONTHS AS FROM DATE OF PRODUCTION WHEN STORED IN ITS ORIGINAL PACK AND UNDER NORMAL CONDITIONS. MUST BE STORED BETWEEN 0°C AND 40°C.**

## PACKAGING

**IN 20 LT DRUMS**

**IN 1000 LT IBC CONTAINERS**



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# DST 250 SOFTENER FOR PAPER

## PHYSICAL – CHEMICAL CHARACTERISTICS

**CHEMICAL STRUCTURE: CATIONIC FATTY**

**ACID DERIVATIVE APPEARANCE: VISCOUS YELLOW LIQUID**

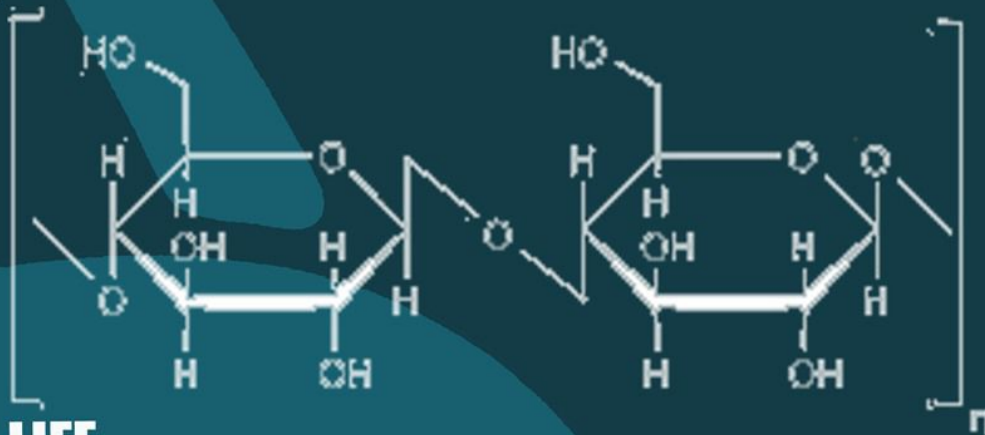
**% SOLIDS:  $90 \pm 5$**

**DENSITY ( 25°C ):  $0,967 \pm 0.022$  G/ML**

**PH VALUE (2%):  $4,5 \pm 0,5$**

## PROPERTIES

**DST 250** GIVES PRODUCT SOFTER AND MORE SLIPPERY. **DST 250** GIVES PAPER SPACIOUS AND ENHANCES ITS FLEXIBILITY. **DST 250** IS DILUTED TO 1-5% AND IS THEN DOSED INTO THE SYSTEM FROM FAN PUMP.



## STORAGE LIFE

**18 MONTHS** AS FROM DATE OF PRODUCTION WHEN STORED IN ITS ORIGINAL PACK AND UNDER NORMAL CONDITIONS. **MUST BE STORED BETWEEN 0°C AND 40°C.**

## PACKAGING

**IN 20 LT DRUMS**

**IN 1000 LT IBC CONTAINERS**



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# DST 280 YANKEE COATING CHEMICAL

## PHYSICAL – CHEMICAL CHARACTERISTICS

**CHEMICAL STRUCTURE :CROSSLINKABLE POLYMER**

**APPEARANCE:CLEAR YELLOW LIQUID**

**% SOLIDS:19 ± 0,5 %**

**DENSITY ( 25°C):1.055± 0.022 G/ML**

**PH VALUE(2%) :4,0±0,5**

## PROPERTIES

**DST 280 is a crosslinkable polymer manufactured by Chem Craft AS for use in yankee coating as an adhesive.**

**It provides a protective coat/layer on cylinder, ensuring adhesion and also proper adhesion under different processing conditions (under different temperatures and/or moisture/humidity rates).**

**DST 280 extends blade life and exerts no corrosive effect on cylinder. DST 280 can also be used at high speeds as it provides good heat transfer.**

## STORAGE LIFE

**Minimum 3 months in sealed pack under normal conditions.**

## PACKAGING

**In 60 lt drums**

**In 1000 lt IBC containers**



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# DST 285 YANKEE COATING CHEMICAL

## PHYSICAL – CHEMICAL CHARACTERISTICS

**CHEMICAL STRUCTURE : OIL**

**APPEARANCE : YELLOW VISCOUS LIQUID**

**ACTIVE INGREDIENT : MIN. %98**

**DENSITY ( 25°C) : 0.861 ± 0.022 g/ml**

**pH VALUE (2%) : 6,6 ± 1,5**

## PROPERTIES

**DST 285 IS AN OIL BASED CHEMICAL WHICH HELPS PAPER IS RELEASED FROM CYLINDER SURFACE. THANKS TO DST 285, COATING CAN BE KEPT UNDER CONTROL.**

**DST 285 EXTENDS BLADE LIFE AND EXERTS NO CORROSIVE EFFECT ON CYLINDER.**

**FDA – REGULATORY COMPLIANCE SERVICE :**

**DST 285 CONFORMS TO REQUIREMENTS OF THE U.S. FOOD AND DRUG ADMINISTRATION FOR USE IN MATERIALS CONTACTING FOODS AS SPECIFIED IN THE CODE OF FEDERAL REGULATIONS. TITLE 21, SUBJECT TO THE LIMITATIONS AND REQUIREMENTS OF EACH REGULATION UNDER THE FOLLOWING SECTION(S): 21CFR 176.200  
21CFR 176.210**

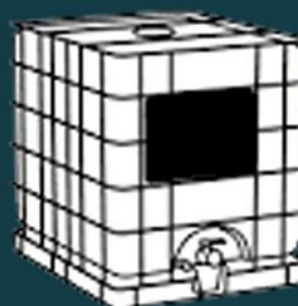
## STORAGE LIFE

**MINIMUM 1 YEAR IN SEALED PACK, IN AN INDOOR WAREHOUSE.**

## PACKAGING

**IN 60 LT DRUMS**

**IN 1000 LT IBC CONTAINERS**



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# DST 454 ANIONIC TRASH CATCHER

## PHYSICAL – CHEMICAL CHARACTERISTICS

**APPEARENCE: COLORLESS-SLIGHTLY YELLOW LIQUID**

**IONIC STRUCTURE: VERY CATIONIC**

**PH VALUE (2%): 5,5±1,0**

## PROPERTIES

IT IS THE AGGREGATE OF ANIONIC DISSOLVED OLIGOMERS AND POLYMERS PRESENT IN THE ENVIRONMENT AS HARMFUL AGENTS DURING PAPER PRODUCTION AND OF NON-IONIC COLLOIDAL AGENTS. ALL OF SUCH AGENTS ARE CALLED "ANIONIC IMPURITY". AS CAN BE SEEN FROM THE FOLLOWING TABLE (TABLE 1), THESE AGENTS CAN HAVE DIFFERENT STRUCTURES AND CAN COME FROM DIFFERENT SOURCES. BESTWAY OF GETTING RID OF ANIONIC IMPURITIES IS TO NEUTRALIZE SUCH IMPURITIES ON PAPER MACHINE SYSTEM. IN ORDER TO NEUTRALIZE ANIONIC IMPURITIES, A CATIONIC RETENTION AGENT MUST BE FED. IN THIS WAY, A FLOC OCCURS AND SUCH FLOC IS ADSORBED BY SURFACES OF FIBER OR FILLING AGENTS.

Fresh Water	Cellulose	Fillers	Additives
humic acid	lignin derivatives	Dispersing agents	Starch
surfactant	lignin sulphanate	polyphosphates	GMC
biocide	hemicellulose fatty acied binder	polyacrylates biocide	organic acid colorants dispersing agents sodium silicate Biocides
	– latex – starch		

TABLE 1 – Definition and sources of harmful agents

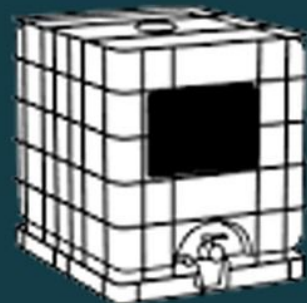
## STORAGE LIFE

**MINIMUM 1 YEAR IN SEALED PACK, IN AN INDOOR WAREHOUSE.**

## PACKAGING

**IN 60 LT DRUMS**

**IN 1000 LT IBC CONTAINERS**



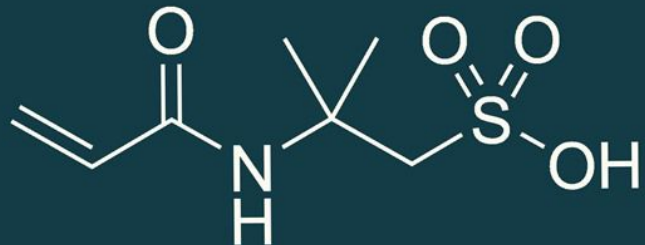
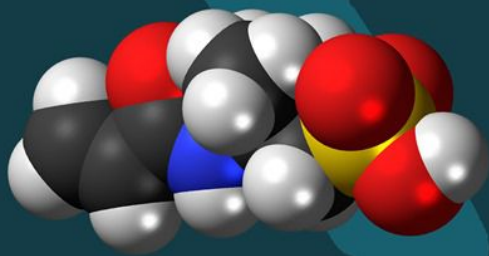
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# AA/AMPS COPOLYMER

## PHYSICAL – CHEMICAL CHARACTERISTICS

The tri-polymer is an anti-scale dispersant containing sulfonate and polyelectrolyte. It has strong acid, weak acid and non ion group in its polyelectrolyte chain, and can be used in situations of high temperature, high pH, high hardness and high alkali. This product has high calcium tolerance, it has good inhibition effect on calcium carbonate, calcium phosphate, zinc scale and ferric oxide. It can use together with other water treatment agents such as polyphosphate, zinc salt, organophosphate. When mixing with zinc salt, the zinc stability is improved, the corrosion inhibition effect to carbon steel is



## SPECIFICATION

Item	INDEX
Appearance	LIGHT YELLOW LIQUID
SOLID CONTENT %	43.0-44.0
DENSITY (%20) g/cm <sup>3</sup>	1.15-1.20
PH (1% WATER SOLUTION)	3.0-4.5

## USAGE :

This product is used in cooling water system; the amount is depended on water quality. The ordinary amount is 10-30mg/l. When used as dispersant, the amount is determined by experiment.





# AA/AMPS COPOLYMER

## PACKAGING

In 20 lt drums  
In 1000 lt IBC containers  
customers' requirement



## STORAGE LIFE

Storage for ten months in shady room and dry place.

## SAFETY AND PROTECTION

Weak acidic, avoid contact with eye and skin, once contacted, flush with water.

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# DST 794 ANTIMICROBIAL AND ANTISLIME

## PHYSICAL – CHEMICAL CHARACTERISTICS

**APPEARANCE:** LIQUID – SLIGHT YELLOW

**PH:** 5.0 - 7.0

**DENSITY:** 1.0 +/- 0.1 GR / CM<sup>3</sup>

**SOLUBILITY:** IN WATER SOLUBLE

## PROPERTIES

Our antimicrobial program aims to prevent breaks taking place as a consequence of microbiological growths on machinery and also quality imperfections and other problems which might even end up in methane and hydrogen sulphide formations on pulp chests, and DST 794 is a product which is chemical part of this program. This product is a wide-spectrum biocide and has efficacy in a wide pH range, that is 6 – 10. Another part of antimicrobial program involves keeping microbiological growths under control thanks to periodical servicing care. ATP measurements can be made on samples for microbiological formations, and amount of bacteria is thus determined. Know-how developed by our service provider for this process will be used.

## STORAGE LIFE

Minimum 1 year in sealed pack, under normal conditions.

Note: storage under 5°C and under high temperatures must be avoided.

Protective goggles and gloves must be worn while handling this product. It is harmful for skin and eyes.

## PACKAGING

In 20 lt drums

In 1000 lt IBC containers



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