



CONTROL/CLEANING SYSTEMS

1. Ascent Ash Substance Improver
2. FLUFF CT 1122 -- Anti Fluff Agent
3. Ascent Defoamer for pulp Mill
4. Ascent DF 1818 - Paper Machine Defoamer
5. Ascent Felt Cleaner
6. Ascent Surfact 1000 (Washing Aid)

1. ASCENT ASH-SUBSTANCE IMPROVER

Ash Retention of paper increased by our paper-making aid composition comprising dialdehyde modified polyacrylamide-type strengthening agent. A method of paper-making by using the paper-making aid composition is also provided.

2. ASCENT FLUFF CT 1122

(FLUFF CONTROL POLYMER PRODUCT- ANTI FLUFF AGENT)

Ascent Fluff CT 1122 is a new generation polymeric compound applicable for Paper industries to reduce fluff and enhance smoothness, printability of the paper. A unique product with a blend of Epichlorohydrin based polymers. it is usual for any Paper & Board industry, to undergo recurring and chronic problems of Fluff/Lint in Paper . Such problems of fluff/lint are overcome by the use and application of the product. The product is useful for application in bringing about uniformity of results. The addition of this chemical reduces/eliminates fluff/lint in paper.

Advantages:

- Reduces Fluff/Lint problem in Paper
- Improves upon :
- printability of Paper & Board
- IGT and wax pick values
- Marginal improvement in first pass retention
- Increases efficiency of machine productivity
- Increases the bonding between fibers



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Properties:

Appearance	Color Transparent Liquid
Solubility	Readily soluble in cold water
pH	5.0 ± 1.0
Nature	Cationic
Solids	10.5 ± 1.0%
Shelf Life	6 months

Preparing Emulsion:

Ascent Fluff CT 1122 is to be added @ 0.10 to 0.25 (1.0 to 2.5 Kgs) per ton of pulp, A recommended product for use and application for normal papermaking conditions. As prescribed, the consumption of 0.2 to 0.3% of the resin provides sufficient improvement in the fluff removal in the paper machine process irrespective of any prevailing state of locations and conditions. The product can be used directly in the mixing chest. It can also be injected with dosing pump before the head box/pressure screen etc.

Uses:

Diluted Ascent Fluff CT 1122 is added either refining chest or mixing chest

Packaging:

Ascent Fluff CT 1122 is packed with 50 kg, 225 kg and 1000 kg packing.



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3. ASCENT DEFOAMER -PULP MILL DEFOAMER

Ascent Defoamer is a poly siloxan based defoamer for destroying foam in pulp mill. It is very economical and ego-friendly.

ASCENT CONC-DEFOAMER

(brown stock washer DEFOAMER)

Ascent Conc-Defoamer is a strong poly siloxan based defoamer for destroying foam in paper industries.

Advantages:

- Ascent Conc-Defoamer is a ego-friendly chemical
- The excellent properties of Ascent Conc-Defoamer make an effective brown stock washer defoamer
- Addition to first or second stage washer through dosing pump controls the foam
- Ascent Conc-Defoamer increases the washer and evaporation system capacities while reducing soda losses up to 20 to 30 %

Properties:

Appearance	White Thick Emulsion
Solubility	Readily soluble in water
pH	6.5-7.0
Nature	Non-Toxic Non ionic

Uses:

Usually 150 to 200 Gms of Ascent Conc-Defoamer for per ton of unbleached pulp provide effective defoaming action but the exact amount should be determined in actual plant trail.

Packaging:

Ascent Conc-Defoamer is packed with 50 kg, 225 kg and 1000 kg packing.



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4. ASCENT DF 1818

(Paper Machine Defoamer)

Ascent DF 1818 is a defoaming agent for improving sheet formation & widely used in paper industries and many other effluent treatment plants of various industries like Medicine, Textile, fertilizer etc.

Advantages:

- Ascent DF 1818 is a eco-friendly chemical and cost effective
- Compatible with common sizing agent and easily handled
- Highly effective foam removal
- Works well at any residual pulp level
- odorless
- Non toxic and Non-flammable

Properties:

Appearance	White Thick Liquid
Solubility	Aqueous forms milky white emulsion
pH	7-8
Nature	Non-Toxic Anionic

Preparing Emulsion:

Prepare 2 to 5 GPL solution with hot water (60-70°C)

Uses:

Generally .5 to 1.5 kg DF 1818 is required per Ton of paper used as a Defoamer in paper machine.

For effective result, it is recommended that the solution of DF 1818 should be added continuously in the form of thin stream in your paper machine. The Actual quantity of DF 1818 required per ton of paper upon your paper machine.

Packaging: DF 1818 is packed with 50 kg or 225 kg packing.



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5. ASCENT FELT CLEANER - ASCENT BC

(BEST CLEANER FREE From Caustic)

Introduction:

Ascent BC is powerful detergent especially developed to suit the needs of mineral industry. It Cleans all types of rough dust – synthetic (100%) and blends (synthetic & woof). Ascent FC is a cold Water soluble liquid which is readily forms stable, clear aqueous solution

Advantages:

- Ascent BC is a ego-friendly chemical
- Extended life of the cleaning items.
- Improved quality and best shine
- Compatible with common polish agent and easily handled
- Highly effective
- Non toxic and Non-flammable

Properties:

Appearance	colorless Liquid
Solubility	Readily soluble in cold water
pH	6-7
Nature	Non-Toxic Non-ionic

Preparing Emulsion:

ASCENT BC May be applied with a concentration of 150 gpl to200 gpl

Uses:

ASCENT FC can effectively removes oil stains, fillers, fines, bitumen, sizing chemicals, alum, grease, pigments, dyes insoluble salt and other residues from your valuable product. Being free from caustic, using product life is also enhanced & frequent cleaning can be avoided resulting in to reduced machine down times. ASCENT BC can be applied as a continuous or periodic wash:- In case of continuous spray it is normally applied directly on the machine felt while the felt are in use. In case of periodic cleaning ASCENT BC can be applied alone or along with caustic soda in required concentration and ratio.

Packaging:

Ascent BC is packed with 50 kg, 225 kg and 1000 kg packing.



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6. ASCENT SURFACT 1000

(COOKING AID)

INTRODUCTION:

Ascent Surfact-1000 non-ionic surfactant is used to enhance cooking liquor penetration throughout the chips as well as to improve the diffusion process, thus facilitating uniform cooking. The addition of Ascent Surfact-1000 non-ionic surfactants as cooking additive of soda pulping of bagasse provided higher yield, lower kappa and brighter pulps than the conventional soda pulp.

The addition of Ascent Surfact-1000 reduced active alkali consumption. 1-1.5% higher screen yield and about 4 points lower kappa number. The bleaching of pulps in the DED or DEpD bleaching sequences showed that the pulps obtained using 1% Ascent Surfact-1000 achieved higher brightness than that of the conventional soda pulp. high potential of the added Ascent Surfact-1000 to improve the pulp quality ,decrease the rejects and reduce the adverse environmental impacts of bagasse-soda pulping and bleaching.

ADVANTAGES:

- Reduction of Kappa number variations.
- Reduction of cooking liquor consumption.
- Reduction of knotter rejects.
- Reduction of bleaching chemicals requirement.
- Reduction of black liquor solids to recovery.
- Improvement on pulp de-resination.
- Improvement on pulp viscosity.
- Improvement on washing operations and cleaner pulp.
- Increased production rate.
- Lowering of DCM Extractives content in pulp.

Properties:

Appearance	Light viscous clear liquid
pH	6.5
Chemical Base	Blended ethoxylate and ethylene oxide
Nature	Non Ionic
Active content	98%



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Self Life Time	Six months at Normal Temperature
Solubility	Soluble in Water
Odour	Slightly Aroma sensation

MODE OF APPLICATION:

Ascent Surfact-1000 is normally dosed at the suction of the white liquor dosing pump. The dosage rate varies from 0.60 – 1.50 kg/ Adt pulp depending on the raw material and primary objectives.

PACKING: 50KG CORBOY / 200 KG HDP BARREL



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