



# BIOHYDRO XP

## Ecofriendly substitute for Sodium hydrosulphite

### SALIENT FEATURES

- Biohydro XP is an environment friendly reductive chemical
- Biohydro XP is a green substitute for sodium hydrosulphite.
- Biohydro XP has lower COD values than sodium hydrosulphite
- Biohydro XP has stronger reducing action than sodium hydrosulphite
- Biohydro XP has higher thermal stability than sodium hydrosulphite.
- Biohydro XP is stable up to 110°C whereas sodium hydrosulphite is not stable above 60°C
- Biohydro XP does not lose reduction power when exposed to humidity, unlike hydros
- Biohydro XP does not pollute waste water, hence it is not fatal for water treatment enzymes
- Biohydro XP does not liberate SO<sub>2</sub>, hence there is no risk of fading of dyed / printed wet fabric in the vicinity, unlike hydros
- Biohydro XP is non-toxic, odourless, easier to transport.
- Biohydro XP can be used in various fields such as textile, leather, pulp & paper, photography, additive in cleaning agents, as reducing agents in chemical industry.

### CHARACTERISTICS

<b>Appearance</b>	: White to off – white crystalline powder
<b>Chemical Nature</b>	: Anionic
<b>Neutral Solubility</b>	: 27 g / l (in water at room temperature)
<b>Alkaline Solubility</b>	: > 80 g / l (in 2 g/l caustic soda solution at 80°C)
<b>pH (1% aq. Sol.)</b>	: 6±1

### APPLICATION

<b>Function</b>	: Textile Processing <ul style="list-style-type: none"> <li>• Reduction Clearing of disperse dyed/printed fabric in exhaust</li> <li>• Reduction Clearing of disperse dyed/printed fabric by continuous</li> <li>• Stripping of disperse dyes from polyester</li> <li>• Stripping of reactive dyes from cellulose</li> <li>• Cleaning of Dyeing machines</li> <li>• Wool Bleaching</li> <li>• Vat dyeing</li> </ul> <ul style="list-style-type: none"> <li>• <b>Dosage:</b> Biohydro XP is to be used 20 – 25% of sodium hydrosulphite as replacement.</li> </ul>
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### SPECIAL REMARKS

<b>Storage Stability</b>	: Minimum 6 months under standard conditions of storage
<b>Container</b>	: 25 kg bags / 50 kg paper drums



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### HANDLING & STORAGE

- Store in cool (below 30°C), dry, ventilated place, away from direct sunlight & source of ignition.
- Extended exposure to > 50°C & moisture may cause deterioration in the product strength
- Protect from moisture. Keep away from incompatible material. Avoid contamination with other chemicals. Keep containers well closed
- Avoid contact with eyes, skin, mouth & clothing. Do not swallow. Wash thoroughly after handling.
- Use protective gear while handling
- In case of ingestion, inhalation, or eye, skin contact; wash with plenty of water, do not use mouth – to mouth resuscitation, seek medical service immediately

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Disclaimer: All recommendations for the use of our products, whether given by us in writing, orally or to be implied from the results of trials, are based on our present state of knowledge & experience. Owing to the variation in local application conditions, they can not be claimed to be complete. Hence, we can not accept any responsibility thereof. All claims, liabilities – also with a view to claim of third parties – are excluded. It is advised to conduct lab & bulk trials before using in bulk production.

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