



HANS CHEMICALS PRIVATE LIMITED

Admn. Off : 407, Panchsheel-2A, Raheja Township, L.S. Raheja Cross Road No.3, Malad-E, Mumbai-400097
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TECHNICAL DATA SHEET

HANSMOL WS

TECHNICAL INFORMATION

CHARACTERISTICS

NATURE :

CONDENSATION PRODUCT OF AN AROMATIC SULFONIC ACID , ANIONIC

PHYSICAL FORM:

LOW- DUSTING , BROWNISH MICROGRANULES

STORAGE :

WHE STORED CORRECTLY IN SEALED CONTAINERS, **HANSMOL WS** HAS A SELF LIFE OF ATLEAST 24 MONTHS.

STABILITY:

HANSMOL WS IS STABLE TO ACIDS, ALKALIS, HARD WATER AND ELECTROLYTES EVEN UNDER HT DYEING CONDITION.

COMPABILITY:

BECAUSE IT IS ANIONIC ,**HANSMOL WS** HAS GOOD COMPABILITY WITH ALL ANIONIC AND NONIONIC AUXILLIARIES IN ALKALINE BATHS. IT CAN ALSO BE USED TOGETHER WITH PEREGAL P, WHICH IS CATIONIC. PRECIPIATION WITH PEREGAL P ONLY OCCURS IN ACID OR NEUTRAL LIQUORS.

SOLUBILITY:

HANSMOL WS IS DISSOLVED BY STREWING IT INTO 10-20 TIMES ITS OWN WEIGHT OF BOILING HOT WATER OR BY POURING THE SAME AMOUNT OF HOT WATER OVER THE PRODUCT AND STIRRING. 10% STOCK SOLUTIONS CAN ALSO BE PREPARED AT ROOM TEMPERATURE, THESE ARE CLEAR AND HAVE VERY GOOD STABILITY. THE 10% SOLUTIONS ARE PRACTICALLY NEUTRAL (PH 6.5 -7.5)

ACTION:

HANSMOL WS STABILIZES DYE DISPERSIONS, BUT IT HAS NO WETTING OR DETERGENT ACTION IN ACID LIQUORS, IT HAS AFFINITY FOR NAIMAL FIBERS, E.G. WOOL AND SILK, AND FOR POLYAMIDE FIBERS.

APPLICATION:

STOCK VATS:

THE STABILITY IF STOCK VATA CAN BE CONSIDERABLY IMPORVED BY ADDING 5 – 10G/L **HANSMOL WS**. THE PRODUCT MUST BE ADDED TO THE DYE DISPERSION PRIOR TO VATTING.



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JIG DYEING:

2 G / L **HANSMOL WS** IS ADDED TO IMPROVE THE STABILITY OF THE DYEING LIQUOR. **HANSMOL WS** PREVENTS VAT – ACID STAINS. E. G. WHEN DYEING WITH THE INDANTHREN BLUE TYPES.

PACKAGE DYEINGMACHINES ANDWHICHBACKS :

1-3 G / L **HANSMOL WS** IS ADDED TO THE LIQUOR TO PERVENT THE DYE FROM PRECIPITATING AND FILTERING OUT. THIS ADDITION IS PARTICULARLY BENEFICIAL WHEN DYEING IS CARRIED OUT BY THE PIGMENTATION AND SEMI PIGMENTATION METHODS.

PAD – SYSTEM PROCESS :

2 G / L **HANSMOL WS** IS THE CHEMICAL PAD LIQUOR PREVENTS AGGLOMERATION OF DYE PARTICALS THAT HAVE LEACHED OUT OF THE FABRIC. AFTER STEMING, **HANSMOL WS** FACILITATES THE REMOVAL OF UNFIXED DYE.

HANSMOL WS IS PARTICULARLY BENEFICIAL IN THE OXIDATION OF VAT DYES. IT PREVENTS AGGIOMERATION AND FILTERING OUT OF THE INSILUBLE PIGMENT DYE THAT RE –FORMS IN THE OXIDIZING BATH.

DISPERSE DYES:

AMOUNT USED : 0.5-2 G/ L **HANSMOL WS** . THE QUANTITY OF PRODUCT NECESSARY DEPENDS ON THE NATURE OF THE DYE PREPATIONS. TO ENSURE GOOD STABILITY OF THE DYE DISPERSION THROUGHOUT THE WHOLE DYEING PROCESS, IT IS PARTICULARLY IMPORTANT TO USE **HANSMOL WS** WHEN DYEING IS CARRIED OUT WITH LIQUID DYES THAT HAVE A LOW CONTENT OF DISPERSING AGENT. FOR DYEING AT SHOT LIQUOR RATIOS (ON THE JIG) THE AMOUNT OF **HANSMOL WS** IS INCREASED, BECAUSE OF THE GREATER RISK OF AGGLOMERATION UNDER THESE CONDITIONS. **HANSMOL WS** NOT ONLY STABILIZES THE DYE DISPERSIONS DURING THE DYEING PROCESS BUT ALSO PERVENTS AGGLOMERATION OF THE DYE RESIDUAL DYE PARTICLES IN THE LIQUOR WHEN THE DYEBATH IS COOLED DOWN.

COTTEATREN DYEN :

THE AMOUNT OF **HANSMOL WS** USED ARE IN LINE WITH THE RECOMMENDATIONS ALREADY MADE FOR VAT AND DISPERSE DYES. PAKAGE OR BEAM DYEING MACHINES 2 G/ L **HANSMOL WS** JIGS, WINCH BACKS, JET M/C 1 G/L **HANSMOL WS** . THERMOSOL PROCESS **HANSMOL WS** IS NOT NECESSARY IN THE PAD LIQUOR PAD – STEAM DEVELOPMENT 2 G/ L **HANSMOL WS** IN THE CHEMICAL PAD JIG DEVELOPMENT 1 G/ L **HANSMOL WS**

NAPTHOL AS DYES :

1-3 G/L **HANSMOL WS** IS ADDED TO STABILIZE NAPTHOL AS PERPARING BATHS.

FOR WASHING AND PRINTS:

DISPERSE DYES :

HANSMOL WS IS PARTICULARLY RECOMMENDED FOR WASHING OFF PRINTS PRODUCED WITH DISPERSES DYES ON BLEND FABRICS COMPOSED OF ACETATE OR TRIACETAT AND POLYAMIDE. IT PREVENTS LOOSE DYE FROM BEING TAKE UP BY THE POLYIMIDE FIBRE COMPONENT IN THE WASHING TREATEMENT.

AMOUNT USED : 1-1.5 G/L



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BASIS DYES :

BECAUSE IT IS ANIONIC, **HANSMOL WS** HAS AFFINITY FOR CATIONIC DYES . IT IS THEREFORE OFTEN USED AS AN ADDITIVE IN WASH BATHS.

AMOUNT USED : 0.5 G/L

SAFETY :

WE KNOW OF NO ILL EFFECTS THAT COULD HAVE RESULTED FROM USING **HANSMOL WS** FOR THE PURPOSE FOR WHICH IT IS INTENDED AND FROM PROCESSING IT IN ACCORDANCE WITH CURRENT PRACTICE. ACCORDING TO THE EXPERIENCE THAT WE HAVE GAINED OVER MANY YEARS AND OTHER INFORMATION AT OUR DISPOSAL , **HANSMOL WS** DOSE NOT EXERT ANY HARMFUL EFFECTS ON HEALTH, PROVIDED THAT IT IS USED PROPERLY , DUE ATTENTION IS GIVEN TO THE PERCAUTIONS NECESSARY FOR HANDLING CHEMICALS, AND THE INFORMATION AND ADVICE GIVEN IN OUR SAFETY DATA SHEET ARE OBSERVED.

The information submitted in this publication is based on our current knowledge and experience . In view of the many factors that may affect processing and application, these data do not relieve processors for the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance certain properties or of suitability for a specific purpose . it is the responsibility of those to whom we supply our product to ensure that any proprietary and existing laws and legislation are observed