

ACRYSIZE V-4030

HIGHLY ELASTIC CONCENTRATED ACRYLIC CO-POLYMER BASED SIZING AGENT

PHYSICAL PROPERTIES

APPEARANCE	: HIGHLY VISCOUS MILKY PASTE.
CHEMICAL NATURE	: NON IONIC. ACRYLIC CO-POLYMER ACQUOUS LIQUID WITH NEUTRAL pH.
SOLUBILITY	: SOLUBLE IN WATER IN ALL PROPORTIONS.

APPLICATION

ACRYSIZE V- 4030 is specially formulated for sizing of yarn of either quality / nature .It forms elastic film which makes the yarn more resilient & elastic. Its high adhesive strength suppresses the hairiness of the yarn hence minimizes the breakage during weaving even on very high speed looms. It is compatible with other sizing ingredients like Rice Starch of either nature, Maize , Potato, Tapioca etc. It eliminates PVA or other binders and oily substances like Tallow / Wax etc. As the product **ACRYSIZE V- 4030** is highly water soluble hence removal of size during desizing is very easy.

The product **ACRYSIZE V- 4030** has the following additional characteristics.

- The product has been specially developed to provide maximum perfection and serve to eliminate warp breaks during weaving and minimizes other defects in the warp as knots, crossed ends, slubs& weak spots by the size film.
- Tensile strength of the yarn is increased by highest possible adhesion within the fiber to fiber cementing action and the film formed is to protect the warp yarn in weaving operation.
- Flexibility of the film formed is excellent which enable the warp yarn to with stand repeated and extensive bending in the weaving on very high-speed looms.
- Single product is sufficient for excellent binding.

ACRYSIZE V- 4030 does not make any foam during cooking of size or within the size box ,it gives additional wetting properties to size, which ensures deep penetration into the yarn to give maximum strength within the fiber of any kind.

GENERAL RECIPE

FOR FINE COTTON & COTTON / POLYESTER UPTO 40 COUNT BLENDED YARN.

MAIZE STARCH Non Modified	= 100 KG
WATER	= 700 LITRE
ACRYSIZE V- 4030	= 05 KG
WAXOL CPC*	= 0.5 KG

A product of *ORGANO CHEMICALS (PVT) LTD.*

Cooking is completed within 35 – 40 minutes. If there is FOAM, then add a little ANTIFOAM to avoid any foam problem during sizing.

FOR POLYESTER / VISCOSE FABRICS.

MAIZE STARCH Non Modified	= 100 KG
WATER	= 650 LITRE
ACRYSIZE V- 4030	= 06 KG

FOR THE EXTRA FINE POLYESTER / COTTON YARN 60 & ABOVE.

MAIZE STARCH Non Modified	= 110 KG
WATER	= 700 LITRE
ACRYSIZE V - 4030	= 07 KG

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ORGANO CHEMICALS (PVT) LTD.

2ND FLOOR, ZIA COMMERCIAL PLAZA ,P-135,STREET # 10 WAKILAN,
KATCHERY BAZAR, FAISALABAD,PAKISTAN.

PH:92-41-2624946 FAX: 92-41- 2636504 E.MAIL:organo@fsd.comsats.net.pk

ADVANTAGES

The product **ACRYSIZE V- 4030** has following advantages.

- HIGH WEAVING EFFECIENCY.
- EASY TO DESIZE.
- NO DUSTING.
- MINIMISES THE USE OF PVA, TALLOW & WAX THUS VERY ECONOMICAL..

The choice of recipe formulation and of the concentration of the various ingredients depends above all on :

- THE COUNT OF THE YARN.
- NATURE OF THE YARN QUALITY & FABRIC CONSTRUCTION.
- LOOM EFFECIENCY DEPENDS UPON SPEED & TYPE OF MACHINE.
- WEAVING SHED HUMIDITY CONDITIONS.

PACKING

ACRYSIZE V- 4030 is available in 100 KG / 165 KG PVC Drums & 200 KG Steel Drums.

SHELF LIFE

If the packing is kept secure in sealed form, then it can last for one year.

The information in this document is based on our present knowledge and must not be considered as a guarantee of specific properties.



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MATERIAL SAFETY DATA SHEET

SECTION - 1 : MATERIAL IDENTIFICATION & USE

MATERIAL NAME IDENTIFIER : **ACRYSIZE V -4030 ----- SIZING AGENT.**
MANUFACTURER / SUPPLIER : **ORGANO CHEMICALS (PVT.) LTD,**
2nd. FLOOR, ZIA COMMERCIAL PLAZA,
STREET 10 WAKILAN, KATCHERY BAZAR,
FAISALABAD , PAKISTAN.

CHEMICAL NAME : PSEUDO CATIONIC ACRYLIC CO-POLYMER MILKY PASTE

SECTION - 2 : HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS : NON HAZARDOUS INGREDIENTS

SECTION - 3 : PHYSICAL DATA

PHYSICAL STATE : HIGHLY VISCOUS MILKY PASTE.

SECTION - 4 : FIRE & EXPLOSIVE DATA.

FLAMMABILITY : NON FLAMEABLE

SECTION - 5 : REACTIVITY DATA

CHEMICAL STABILITY : BELOW 35° C, STORE UNDER SHADE IN COOL PLACE.

COMPATABILITY : WITH ALL SIZING INGREDIENTS LIKE **STARCHES** (MAIZE, POTATO &
MODIFIED STARCHES) , **PVA** (POLY VINYL ACRYLATE etc.)

SECTION - 6 : TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY : SKIN CONTACT - HARMLESS
EYE CONTACT - CAUSE IRRITATION

EFFECT OF CHRONIC EXPOSURE TO MATERIAL : LD 50 MATERIAL - NOT AVAILABLE
IRRITANCY OF MATERIAL - IRRITATE TO EYES

SECTION – 7 : PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT	: EYE (SPECIFY) - WEAR GOGGLES : FOOT WEAR (SPECIFY) - WEAR RUBBER BOOTS : CLOTHING (SPECIFY) - LONG SLEEVE COVERALL
ENGINEERING CONTROLS (SPECIFY E.G VENTILATION ENCLOSED PROCESS)	: NOT NECESSARY
LEAK & SPILL PROCEEDURE	: SPILLAGE CAUSES SLIPPERY. COLLECT INTO A CLOSED CONTAINER. WASH OUT THE AREA WITH PLENTY OF WATER.
WASTE DISPOSAL	: INCINERATE OR TREAT A SEWAGE PLANT.
HANDLING PROCEEDURE	: WASH HANDS & FACE DAILY AFTER WORK OR WHEN CONTAMINATED.
STORAGE REQUIREMENTS	: STORE BELOW 35 ⁰ C & AVOID DIRECT SUNLIGHT. : DO NOT LEAVE OPEN TO THE ATMOSPHERE. : STORE AT A FIXED PLACE. KEEP THE CONTAINERS WELL TIGHT AFTER USE : DO NOT USE EMPTY DRUMS OR CONTAINERS FOR OTHER PURPOSE & KEEP AT A FIXED PLACE UNTIL DISPOSING OFF PROPERLY.

SECTION - 8 : FIRST AID MEASURES

SKIN CONTACT	: IMMEDIATELY REMOVE THE CONTAMINATED CLOTHING. WASH THE SKIN THOROUGHLY WITH WATER & SOAP.
EYE CONTACT	: IMMEDIATELY WASH THE EYES WITH PLENTY OF WATER FOR MORE THAN 15 MINUTES.
INHALATION	: STEP INTO AREA OF FRESH AIR & LIE QUIET.
SWALLOWING	: DRINK WATER & INDUCE VOMITTING. TAKE 50 gr. OF ACTIVATED CHARCOAL BY MOUTH.
SPECIAL ADVICE	: <u>SEEK MEDICAL ATTENTION AFTER THE ABOVE MEASURES IF NECESSARY.</u>
SOURCES USED	: MANUFACTURER'S INTERNAL MANUALS.

