

# **CHEMSIZE SM-5050**

## **ONE SHOT SIZING AGENT**

**A UNIQUE BLEND OF HIGHLY HYDROLYSED VINYL POLYMER  
& FORTIFIED WITH SAPONIFIED FAT.**

ACTS AS CATALYST TO MODIFY THE MAIZE STARCH BY HYDROLYSING IT DURING SIZE COOKING & IMPARTS A MAGICAL CHANGE IN CHARACTERISTICS OF SIZE LIQUOR & MADE IT SUBSTANTIVE TOWARDS YARN LIKE POLY / COTTON, COTTON / VISCOSE & COTTON / CELLUOSIC FIBRES BASED BLENDED YARN.

### **PHYSICAL PROPERTIES**

**APPEARANCE** : White Thick Jell like Pasty Consistency.  
**CHEMICAL NATURE** : Highly Basic Anionic in Nature.  
**COMPATIBILITY** : Only Compatible with Nonionic & Anionic Ingredients.

### **APPLICATION**

Some times it is desirable to size the yarn without PVA & WAXY Substances. The sizing recipe having rich PVA is very difficult to be removed during desizing prior to dyeing & bleaching process.

Thanks to special formulation of **CHEMSIZE SM-5050** it almost eliminates such elements / products to be the part of size liquor. Only one product is enough to have routine characteristics of the size liquor. This minimizes not only the cost but also maximizes the weaving efficiency of the looms of either type like AIR JET / SULZER etc.

In routine practice & results obtained by applying the product **CHEMSIZE SM-5050**, it has been preferred & consumed due to its extraordinary sizing & excellent performance at almost 50% less cost than sizing with PVA & TALLOW like ingredients.

**CHEMSIZE SM-5050** is very simple to apply. Just add water, desired quantity of Maize Starch & a little quantity of **CHEMSIZE SM-5050**. No third additive like PVA or SOFTENER is required. Routine cooking is carried out & then the size is ready to apply on Slasher Sizing Machine.

It has been observed on sizing machine that there is least dusting as compared to normal sizing recipe having even rich PVA or other binders. On looms, as no fluff or beads formation is produced, therefore looms run without any stoppage. Better efficiency has been recorded as compared to routine / normal sizing.

**CHEMSIZE SM-5050** is equally suitable for the cotton & cotton polyester blended yarn. Even poly / viscose blended yarn can be sized with little change in recipe. It is suitable for all counts prior to bulk production & by following the recipe as mentioned below.

“ Cont'd on next sheet



## **ORGANO CHEMICALS ( PVT ) LTD.**

2<sup>ND</sup> 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

## **GENERAL RECIPE**

### **FOR COTTON & COTTON / POLYESTER BLEND FABRICS OF LOW TO MEDIUM COVER FACTOR.**

MAIZE STARCH	= 100 KG
WATER	= 700 LITRE
<b><u>CHEMSIZE SM-5050</u></b>	<b>= 05 KG</b>

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

### **FOR FABRICS HAVING HIGH COVER FACTOR / FINE COUNT 40 OR ABOVE..**

MAIZE STARCH	= 90 KG
WATER	= 700 LITRE
<b><u>CHEMSIZE SM-5050</u></b>	<b>= 08 KG</b>
PVA	= 3-4 KG

### **FOR THE YARN LIKE PV., PP. BEFORE RUNNING, SMALL TRIAL SHOULD BE CARRIED OUT TO TUNE UP THE RECIPE. HOWEVER FOLLOWING RECIPE MAY BE FOLLOWED FOR TRIAL.**

MAIZE STARCH	= 80 KG
WATER	= 700 LITRE
<b><u>CHEMSIZE SM-5050</u></b>	<b>= 05 KG</b>
EVR	= 0.300 GM
PVA	= 4-5 KG

## **PRECAUTIONS**

No adverse effect of the product has been observed. However as the product is highly basic in nature , therefore it is advisable to follow the precautionary measurements during handling & storage . For detailed precautions, follow the product MSDS.

## **RECOMMENDATIONS**

The size film is non sticky to Slasher Drying Cylinders / Drums. However Teflon Coated Drying Cylinders / Drums are preferred for trouble free sizing.

## **ADVANTAGES**

- VERY SIMPLE TO APPLY.
- NO DUSTING OR FLUFF DURING SIZING OR ON LOOM.
- LEAST BREAKAGE & HIGH WEAVING EFFECIENCY.
- VERY ECONOMICAL. ALMOST 40 - 50 % LESS COST.
- DESIZING REQUIRES NO SPECIAL TREATMENT.
- SMOOTH & SOFT FABRIC CONSTRUCTION.

## **PACKING / STORAGE**

- \* In 200 KG net Steel drums / 150 KG net PVC Drums.
- \* Store under shade & cool place. Avoid storage in direct sunlight or in hot climatic conditions.

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



# **ORGANO CHEMICALS ( PVT ) LTD.**

2<sup>ND</sup> 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

# **MATERIAL SAFETY DATA SHEET**

## **SECTION - 1 : MATERIAL IDENTIFICATION & USE**

**MATERIAL NAME IDENTIFIER** : **CHEMSIZE SM-5050** ---- ONE SHOT SIZING AGENT.  
**MANUFACTURER / SUPPLIER** : **ORGANO CHEMICALS (PVT) LTD.,**  
2<sup>nd</sup>. FLOOR, ZIA COMMERCIAL PLAZA, STREET 10 WAKILAN  
KATCHERY BAZAR, FAISALABAD , PAKISTAN.

**CHEMICAL NAME** : A UNIQUE BLEND OF HIGHLY HYDROLYSED VINYL POLYMER &  
FORTIFIED WITH SAPONIFIED FAT.

## **SECTION - 2 : HAZARDOUS INGREDIENTS**

**HAZARDOUS INGREDIENTS** : NON HAZARDOUS INGREDIENTS

## **SECTION - 3 : PHYSICAL DATA**

**PHYSICAL STATE** : WHITE THICK GELL LIKE PASTY CONSISTANCY.

## **SECTION - 4 : FIRE & EXPLOSIVE DATA.**

**FLAMMABILITY** : NON FLAMEABLE

## **SECTION - 5 : REACTIVITY DATA**

**CHEMICAL STABILITY** : BELOW 30° C, STORE UNDER SHADE IN COOL PLACE.

**COMPATABILITY** : ONLY COMPATIBLE WITH NONIONIC & ANIONICS INGREDIENTS.

## **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**

<b>PERSONAL PROTECTIVE EQUIPMENT</b>	: EYE ( SPECIFY ) - WEAR GOGGLES : FOOT WEAR (SPECIFY) - WEAR RUBBER BOOTS : CLOTHING (SPECIFY) - LONG SLEEVE COVERALL
<b>ENGINEERING CONTROLS</b> (SPECIFY E.G VENTILATION ENCLOSED PROCESS)	: NOT NECESSARY
<b>LEAK &amp; SPILL PROCEEDURE</b>	: SPILLAGE CAUSES SLIPPERY. COLLECT INTO A CLOSED CONTAINER. WASH OUT THE AREA WITH PLENTY OF WATER.
<b>WASTE DISPOSAL</b>	: INCINERATE OR TREAT A SEWAGE PLANT.
<b>HANDLING PROCEEDURE</b>	: WASH HANDS & FACE DAILY AFTER WORK OR WHEN CONTAMINATED.
<b>STORAGE REQUIREMENTS</b>	: STORE BELOW 30 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**

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