



Harsha Industries Corporation



Manufacturers & Importers Of Quality Storage Battery Materials and Chemicals

www.harshaindustry.com

AN ISO 9001: 2015 CERTIFIED COMPANY

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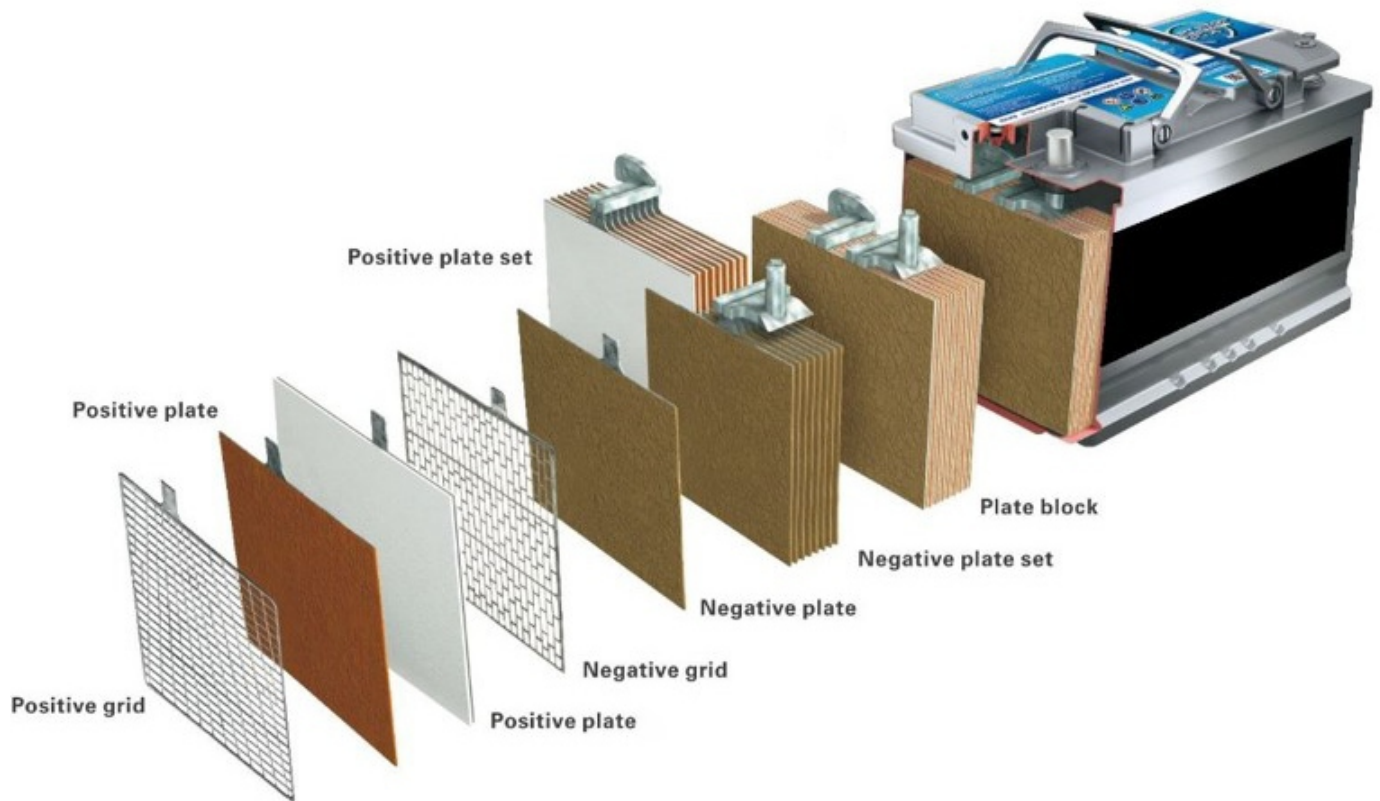
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PRODUCT LIST



1. Dyna Flock (Modacrylic Fiber– Kanecaron Brand) Japan
2. Lignin Vanisperse (Borregaard A.S.) Norway
3. Barium Sulphate Rankem
4. Sodium Sulphate Rankem
5. Ammonium Sulphate Rankem
6. Carbon Black Phillips
7. SLS Needles Godrej
8. Graphite – Timrex KS 44
9. Tetrabasic Lead Sulfate Sure Cure 100 Hammond (USA)
10. Speciality Carbon Black Vulcan XC72R Cabot
11. Cork Powder Moldcor / Gate Coat Compounds
12. Humic Acid
13. Premixed Expanders
14. Maracell XE
15. Tubular Bags
16. PAM Efficiency Activator (PTFE)
17. Bottom Bars / Top Bars
18. Jinkeli Graphitized Carbon Black / Charcoal
19. Solvay Barium Sulphate / Blanc Fixe HD80

ABOUT US

Mr Harashpal Singh Sawhney, the promoter of Harsha Industries Corporation is an engineering graduate from Delhi College of Eng. having 44 years of experience in the battery industry.



President of FISSBA



With a dedicated team of professionals, Harsha Industries Corporation is reaching out to customers all over India with a focus on quality, genuineness, competitive pricing and timely deliveries. We are constantly upgrading our knowledge to stay abreast with latest developments in the industry.

Harsha Industries Corporation is an ISO certified company established in the year 1981 under the guidance of Mr. Harashpal Singh Sawhney and Late Sri Harbir Singh Sawhney. It is engaged in the business of manufacturing quality plastic components for the lead battery industry. We are authorised distributors for genuine battery speciality chemicals required for battery plates.

The idea of future generations joining a business and taking the legacy forward is a powerful concept, especially in family-run businesses or organizations with a long-standing history. We are proud to introduce our next generation stepping into the business with a vision focussed on sustainability, social responsibility and digital transformation. The vision together is to blend generational legacy with cutting-edge technology to prioritize ethical practices in the business by selling genuine chemicals to the lead battery Industry and lithium-ion battery industry.

WHY CHOOSE “HARSHA INDUSTRIES” FOR LEAD BATTERY CHEMICALS SUPPLY?

We have a long-standing name in this business for the past 44 years and we remain to be one of the most established brands in the future as well. We are battery speciality chemical suppliers to a vast list of quality conscious battery manufacturers in India.

We are authorised distributors for Lignin products, Modacrylic Fibre, Barium Sulphate and other chemicals. We have a state-of-the-art storage facility with a covered area of about 14,000 square feet to ensure safe and bulk storage of imported chemicals and battery parts.

We are a debt-free company with 100% financial back-up from our own funds and we remain to be the same, as financial obligation can lead to business instability and maybe a closure in the future. Most of the younger companies who have just joined business or are in the same trade are heavily debted and their existence remains uncertain. We have and will always be present in the market with a larger share and zero competition.

DYNA FLOCK

Kanecaron Brand Modacrylic Fiber Mfg. by Kaneka Corporation Japan.

Kanecaron is the most stable dyna flock having very good resistance to sulphuric acid and excellent dispersion for both dry as well as wet mixing and because of kidney type cross section very good adhesion to the paste.

CHARACTERISTICS:

- Type KCE 3.3 dtex
- Denier deviation: 3.3 ± 0.33 dtex
- Tenacity (Dry): More than 1.8 cN/dtex
- Elongation: 20 ~ 50%
- Moisture: Less than 2.0%
- Specific Gravity: 1.3gm/cm^3
- Fiber Length: 3mm or 5mm

Kanecaron



LIGNIN VANISPERSE

Sodium Ligno Sulphonate Mfg. by Borregaard A.S. Norway.

Vanisperse A and HT-1 are dark brown water soluble powders based on highly refined and modified sodium Ligno sulphonate derived from spruce wood liquor.

Vanisperse functions as an organic expander for the lead acid battery negative electrode and provides improved high temperature performance. Vanisperse HT-1 significantly increases the life of the negative electrode under high temperature conditions for both shallow and deep cycles. Both vanisperse A and HT-1 improves cold cranking.

Vanisperse DCA – Suitable for e-rickshaw batteries.

CHARACTERISTICS:

	VANISPERSE A	VANISPERSE HT-1
Dry Matter	94%	95%
Ph (10% Solution)	7.5	10
Insolubles (%w/w)	0.02%	0.04%
Calcium	19ppm	147ppm
Copper	145ppm	3ppm
Iron	6ppm	50ppm
Manganese	3ppm	1ppm
Magnesium	11ppm	36ppm
Nickel	0.1ppm	0.5ppm
Ash	18%	20%



BARIUM SULPHATE (RANKEM BRAND)

Manufactured by Ranbaxy fine chemicals Ltd.
(taken over by Avantor).

Barium Sulphate Laboratory reagent grade is a fine heavy white powder free from gritty particles. Eases deposit of lead sulphate during discharge of negative electrode on its surface to enable reconversion into active lead on charge cycle.

Guarantee Analysis

Assay	97.50 - 101.00%
pH (5% Aqueous Solution)	5.00 - 9.00
Identity	Passes Test
Maximum Limits of Impurities	.
Acid Soluble Matter	< 0.50%
Loss on Ignition	< 3.00%
Heavy Metal (As Pb)	<=0.005%
Iron (Fe)	<=0.01%



B0077 25KG



B0078 50KG

RANKEM
Total Scientific Laboratory Solutions Provider

AVANTOR
PERFORMANCE MATERIALS

SODIUM SULPHATE (RANKEM BRAND)

Manufactured by Ranbaxy fine chemicals Ltd.
(taken over by Avantor).

Crystalline white hygroscopic odourless powder. Prevents acid stratification
(acid limitation).

Characteristics:

- Minimum Purity $> = 99.50\%$
- pH: 5-8
- Iron $< = 0.001\%$
- Heavy Metals $< = 0.001\%$
- Magnesium $< = 0.01\%$



RANKEM
Total Scientific Laboratory Solutions Provider

AVANTOR
PERFORMANCE MATERIALS

AMMONIUM SULPHATE (RANKEM BRAND)

Manufactured by Ranbaxy fine chemicals Ltd.
(taken over by Avantor).

Laboratory reagent grade. White colourless crystals.
Used for washing (pickling) of tubular plates.

Characteristics:

- Minimum Purity $> = 99\%$
- pH: 5-6
- Iron $< = 0.002\%$
- Heavy Metals $< = 0.002\%$
- Chloride $< = 0.005\%$



RANKEM
Total Scientific Laboratory Solutions Provider

AVANTOR
PERFORMANCE MATERIALS

CARBON BLACK PHILLIPS BRAND

Manufactured by Phillips Carbon Black Ltd.

Carbon Black (amorphous) is available in pellet and powder form. Commonly used grades for battery industry are N330 and N550.

Carbon improves the electrical conductivity and the negative electrode volume porosity and prevents its deep discharge.

Characteristics:

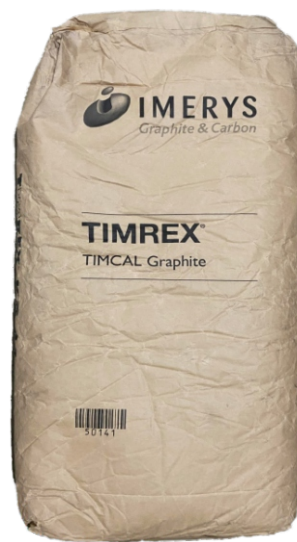
- pH > 6
- Decomposition temperature > 315°C
- No.325 Sieve Residue% (D1514) 0.100 MAX
- No.35 Sieve Residue% (D1514) 0.0010 MAX
- Fines% (D1508) 10 MAX
- Pellet hardness-Av of 20 pellets g.f (D5230) 15.0-45.0
- Ash% (D1506) 0.75 MAX



GRAPHITE

Graphite Improves Electrical Conductivity.

- Significant cycle life improvement
- Capacity improvement
- Chemical stability
- Better charge acceptance



GRAPHITE KS44

SOLVAY BARIUM SULPHATE / BLANC FIXE HD80

Manufactured by Solvay Italy

Blanc Fixe HD80 is a chemically precipitated pure barium sulphate. It is resistant to water, acid, alkali and organic solvents.

Characteristics:

- It has good dispersion properties.
- It has extremely low chloride content.
- Average particle size of 1 micron.



BOTTOM BARS / TOP BARS

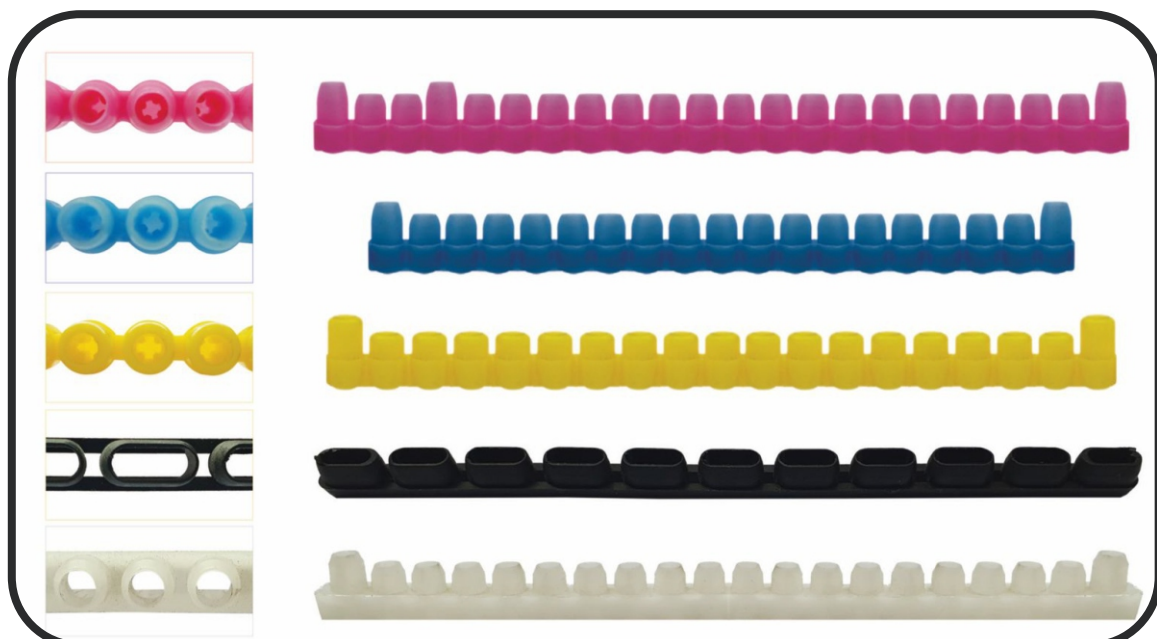
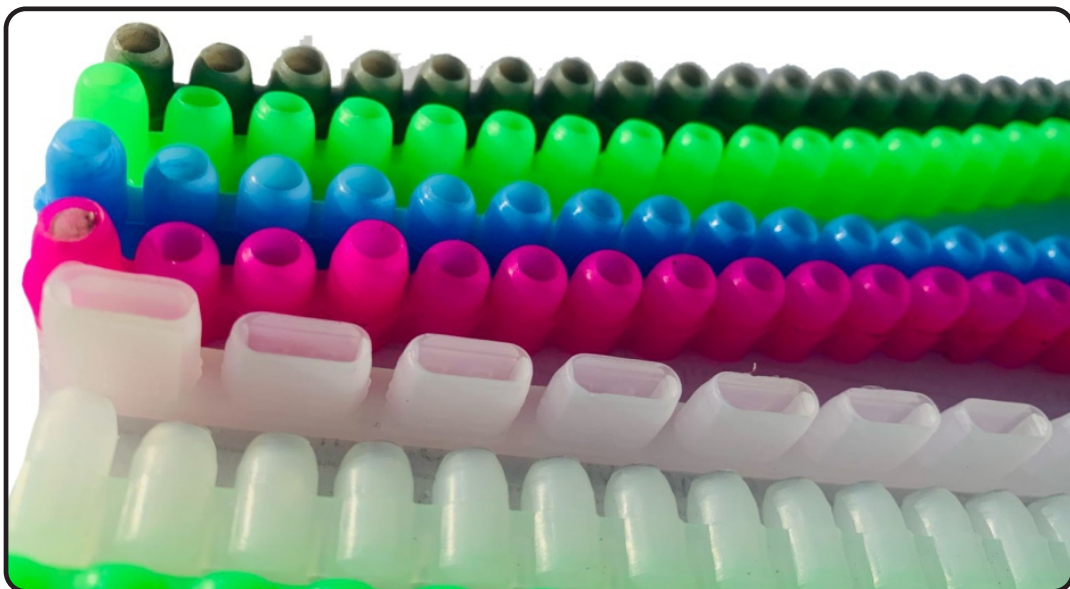
Manufactured by Harsha Industries Corporation.

Available size of Bottom Bar & Top Bar:

5mm, 6mm, 6.2mm, 7.3mm, 8mm, capsule type.

Characteristics:

- Manufactured using virgin plastic.
- Good acid resistance for long life.
- Unbreakable.
- In house tool room for greater production flexibility.



Sr. No.	Item Name	Size	Pitch	Lock Size	Standard Packing (nos)
1	Bottom bar	5 mm x 25 Spine (M)	5.8mm	2.0mm	5000
2	Bottom bar	5.5 mm x 23 Spine (LI)	6.5mm	1.9mm	5000
3	Bottom bar	6 mm x 19 Spine (M)	7.2mm	2.0mm	4000
4	Bottom bar	6 mm x 20 Spine (M)	7.2mm	2.0mm	4000
5	Bottom bar	6 mm x 22 Spine (M)	7.2mm	2.0mm	4000
6	Bottom bar	6.2 mm x 19 Spine (Js) H	7.25mm	2.15mm	4000
7	Bottom bar	6.2 mm x 20 Spine (SK)	7.20mm	2.0mm	4000
8	Bottom bar	6.2 mm x 20 Spine (LI)	7.3mm	2.1mm	3000
9	Bottom bar	6.2 mm x 21 Spine (R)	7.2mm	2.1mm	3000
10	Bottom bar	6.2 mm x 22 Spine (Js)H	7.25mm	2.1mm	4000
11	Bottom bar	6.2 mm x 22 Spine (LI)	7.6mm	2.2mm	3500
12	Bottom bar	6.3 mm x 19 Spine (LU)	7.6mm	2.0mm	2500
13	Bottom bar	6.2 mm x21 Spine (LU)	7.6mm	1.9mm	3000
14	Bottom bar	6.3 mm x 22 Spine (LU)	7.6mm	2.0mm	3000
15	Bottom bar	6.5 mm x 20 Spine (LI)	7.6mm	2.0mm	3500
16	Bottom bar	6.5 mm x 22 Spine (LU)	7.6mm	2.0mm	2500
17	Bottom bar	6.7 mm x 22 Spine (LI)	7.6mm	2.0mm	3500
18	Bottom Bar	7.2mm x 19 Spine (SK)	8.6mm	2.4mm	2500
19	Bottom bar	7.2 mm x 19 Spine (LI)	8.3mm	2.4mm	3000
20	Bottom bar	7.3 mm x 15 Spine (M)	8.5mm	2.8mm	3000
21	Bottom bar	7.3mm x 17 Spine (M)	8.5mm	2.8mm	2500
22	Bottom bar	7.3 mm x 19 Spine (M)	8.5mm	2.8mm	2500
23	Bottom bar	7.4 mm x 19 Spine (LU)	8.6mm	2.6mm	2500
24	Bottom Bar	7.5mmx16 Spine (Apex)	8.8mm	2.7mm	3000
25	Bottom bar	8mm x 15 Spine (LU)	9.7mm	2.6mm	3000
26	Bottom Bar	8mm x 15 Spine (SK) H	9.7mm	2.8mm	2500
27	Bottom Bar	8mm x 15 Spine (M)	9.5mm	3.0mm	2500
28	Bottom Bar	8mm x 18 Spine (SK)	9.4 mm	2.9mm	2500
29	Bottom bar	11 Tubes GC (LU)	13.5mm	2.2mm	3000
30	Top Bar	11 Spine (LU)	13.5mm	N/A	4000
31	Top Bar	5.5 mm x 23 Spine (LI)	6.5mm	N/A	5000
32	Top Bar	6 mm x 21 Spine (M)	7.2mm	N/A	4000
33	Top Bar	6.3 mm x 21 Spine (Rad)	7.2mm	N/A	3000
34	Top Bar	6.5 mm x 22 Spine (LI)	7.6mm	N/A	3000
35	Top Bar	6.2 mm x 20 Spine (LI)	7.3mm	N/A	4000
36	Top Bar	7.3 mm x 19 Spine (LI)	8.4mm	N/A	3000

CORK POWDER MOLDCOR/ GATE COAT COMPOUNDS

Manufactured by Moldcor International

Moldcor cork sprays are binderless products ready to use with no health hazards. Moldgate coating compounds are formulated to insulate the entrance surface of the mold and protect the molten lead alloys from temperature variation.

Characteristics:

- Acts as a barrier between mould metal and casting alloy for easy release.
- Acts as a heat insulator.
- Gives maty finish on surface of casting for better paste adhesion.



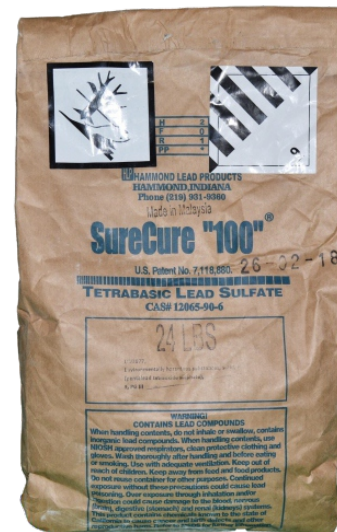
TETRABASIC LEAD SULFATE SURECURE 100

Manufactured by Hammond Group Inc. USA

Surecure is used as a seed crystal to promote rapid formation of tetrabasic lead sulfate during paste mixing and curing. The benefits of using surecure100 are lead and operational cost savings, superior performance and longer life of batteries.

Characteristics:

- Tetrabasic Lead Sulfate 98.2%
- Moisture 0.15%
- Free lead 0.0%
- Median Parcle Size (microns) 1.2
- Color White to light yellow



SPECIALITY CARBON BLACK VULCAN XC72R CABOT

Manufactured by Cabot Corporation USA

Vulcan XC72R is a fluffy form of conductive carbon black having good dispersion and good conductivity which improves the capacity of the batteries. Suitable for e-rickshaw batteries.

Characteristics:

Property	Typical Values	Test Method
Iodine Number (mg/g)	253	ASTM D1510
OAN (CC/100g)	192	ASTM D2414
325 mesh Residue (ppm)	<10	ASTM D1514
Tint (%)	87	ASTM D3265



VULCAN XC72R

HUMIC ACID

Manufactured by Shandong Jinkeli Power Sources Technology

Humic acid improves the discharge performance of lead acid batteries at low temperature and the battery performance. Prevents the caking of the cathode active material in the cycle process.



PREMIXED EXPANDERS

Manufactured by Shandong Jinkeli Powder Sources Technology

Formulated to provide outstanding battery performance.

Characteristics:

- Precisely weighed, stable and easy to use.
- Significantly improves charge acceptance and overall performance.
- Low water loss rate and extended cycle life.



EXPANDER JEV

We are the authorized distributors in India for :-

- Kaneka Corporation Japan for their range of modacrylic fibres (Dyna Flock).
- Borregaard A.S. Norway for their range of Vanisperse products (Lignin).
- Ranbaxy fine chemicals Ltd. taken over by Avantor for their Rankem brand Barium Sulphate, Sodium Sulphate and Ammonium Sulphate.

Kanecaron



Borregaard

RANKEM
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AVANTOR[™]
PERFORMANCE MATERIALS