



EXTRA
STRONG

FLEXIBLE

RELIABLE



SRI BALAJI STEELS

SRI BALAJI ACIDS AND SOLVENTS PVT. LTD[®]

IRON ORE FINES | LIMESTONE | HMS 1&2 | ACIDS

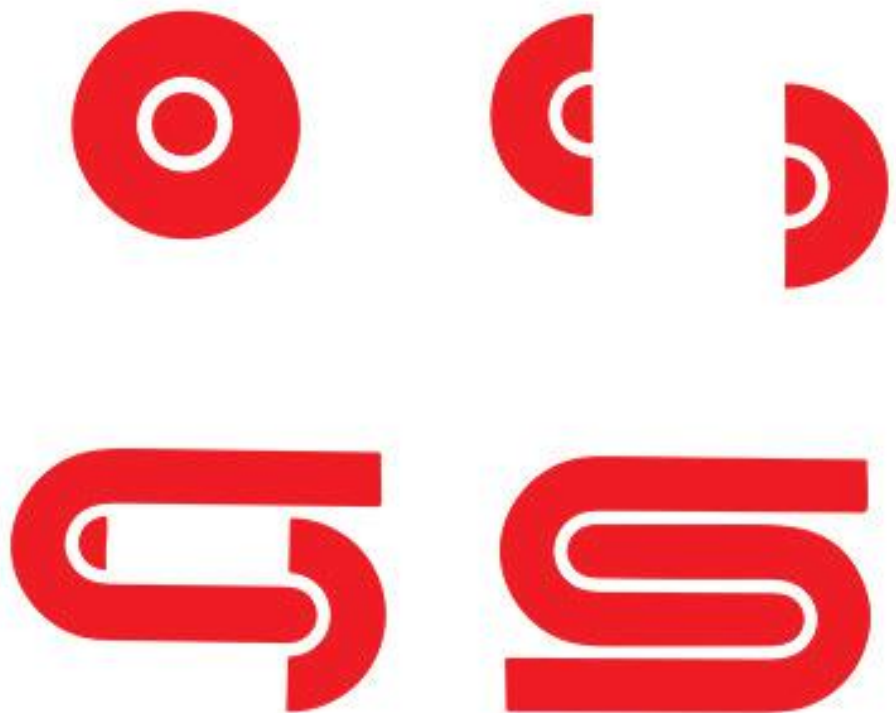
WELCOME

SRI BALAJI GROUP is a diversified chemical and recycling conglomerate with a strong focus on quality and customer satisfaction. Our chemical division, SRI BALAJI ACIDS AND SOLVENTS PRIVATE LIMITED (SBASPL), specializes in the Supplying of high-quality chemicals such as Linear Alkyl Benzene Sulphonic Acid (LABSA), Sulphuric Acid, Oleum, and Magnesium Sulphate Fertiliser. With a supplying capacity of 6000 m/tns per month and a commitment to continuous expansion, SBASPL is well-positioned to meet the growing demands of the detergent industry. Our recycling division, SRI BALAJI STEELS, is a market leader in the recycling of ferrous and non-ferrous metals. We also possess expertise in the area of disassembly and dismantling, catering to both offshore and onshore industries. By combining our expertise in both chemical and recycling, SRI BALAJI GROUP is able to offer a comprehensive range of products and services to our customers.

HISTORY OF LOGO

SRI BALAJI GROUP logo consists of a stylized letter "S" made up by steels and chemicals. It is made up of two concentric circles cut in half, separated and joined up again by four straight lines the proportion of the whole thing is one to the square root of two. The proportions of an A4 sheet of paper it's simple geometry was easily re produced at any scale from a cufflinks to a smelter or chemical manufacturers. Sri balaji group use this design to promote the steel scrap and chemicals , to help create a competitive awareness of the strength and quality of steels and chemicals industries.

Tons of quality means an extremely large amount of high quality of excellence in being





IRON ORE FINES :

We offer Iron Ore from India. The Standard Specification can be seen from the following table. SRI BALAJI STEELS has more than 5 mines long term agreements for the supply of Iron Ore in Australia and Indonesia. Therefore, in each case the specifications of the default values shown here differ. For the Order shall apply to the sale agreed values. If you have product specific search specifications.

About Iron Ore Fines are small particles of iron ore produced during the crushing, grinding, and processing of larger iron ore rocks. These fines are widely used in the steel industry for sintering and pelletizing, playing a crucial role in steel manufacturing.

USES: Sintering, pelletizing, direct reduction iron production.



PRODUCT SPECIFICATION:

TECHNICAL DATA	DESCRIPTION			
	Indonesia		Australia	India
	Fe 62,0%	Fe 64,5%	Fe 64,5%	Fe 62,0%
Iron (Fe) Total Fe	62,00%	64,50%	64,50%	62,00%
Rejection	59,00%	61,00%	63,00%	59,00%
Aluminium trioxide Al(2) O3	1,10%	1,35%	1,35%	3,27%
Calcium oxide CaO	0,50%	0,35%	0,02%	-
Magnesium oxide MgO	0,04%	0,04%	0,05%	0,06%
Magnesium trioxide MnO2	0,50%	0,55%	0,10%	0,55%
Chrome trioxide Cr2 O3	0,20%	0,15%	-	-
Sodium oxide Na2O	0,05%	0,23%	-	-
Potassium oxide K2O	0,10%	0,16	0,10%	-
Silicodioxide SiO2	2,10%	2,20%	2,90%	4,00%
Titanium dioxide TiO2	0,30%	0,28%	0,04%	0,30%
Phosphorus P	0,09%	0,10%	0,08%	0,07%
Sulfur S	0,09%	0,10%	0,02%	0,02%
Loss On Ignition Lol	3,38%	2,35%	4,20%	-
Moisture Total (ARB)	-	-	8,00%	8,50%
Moisture Content *)	2,90%	>2,90%	-	-
Origin	Indonesia	Indonesia	Australia	India
Iron Ore Fines				
< 1,0 mm	45%	45%	45%	45%
> 1,0 mm	55%	55%	55%	55%
> 6,0 mm	10%	10%	10%	14%
> 10,0 mm	1%	1%	1%	9%
Iron Ore Lumps				
< 10,0 mm	10%	10%	21%	-
< 30,0 mm	70%	70%	92%	-
< 50,0 mm	99%	99%	99%	-
> 50,0 mm	1%	1%	1%	-
>*) Moisture Content Oven drying 105 C to constant weight				



KEY FEATURES & BENEFITS

HIGH IRON CONTENT:
Enhances steel quality.

LOW IMPURITIES:
Ensures efficient steel production.

COST-EFFECTIVE:
Competitive pricing for bulk orders.



APPLICATIONS :

STEEL MANUFACTURING:
Used in blast furnaces and direct reduction processes.

CEMENT INDUSTRY:
Can be used as an additive in cement production.

FOUNDRIES:
Helps in the production of high-quality iron castings.



WHY CHOOSE US?

Reliable sourcing and supply chain.

Competitive pricing and flexible payment terms.

COST-EFFECTIVE:
Competitive pricing for bulk orders.



LIMESTONE :

Quick Lime is also known as burnt lime, handpicked lime, calcined lime, lump lime or caustic lime in the market. Quicklime Lump is a whitish, odorless alkaline substance that is insoluble in water. It is also used as lining material. It is used in metal smelting, paper bleaching, sulphur neutralization in sugar and Poultry Farms Etc.,



PRODUCT SPECIFICATION - 1 (STEEL GRADE)

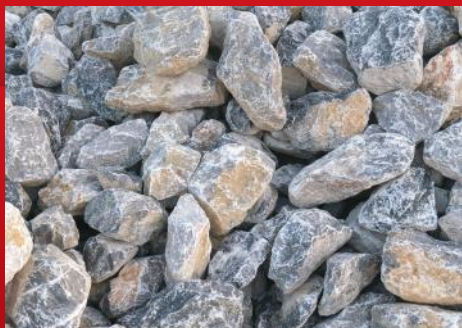
TECHNICAL DATA	DESCRIPTION
Product	BURNT LIME LUMPS%
Grade	STEEL GRADE
CAO	90% minimum
SIO2	1.5% maximum
SIZE	0.50mm below 10mm:6% MAX, Above 50mm:4% MAX
REACTIVITY	# 380 to 420 ML OF 4 N HCL CONSUMED IN 5 minutes
Packing	1 MT JUMBO BAG

PRODUCT SPECIFICATION - 2 (CEMENT GARDE)

PARAMETER	RESULTS	METHOD
Chemical Analysis (Weighted Average Basis)		
CAO	54.86	IS:1760
CaCO3	97.91	IS:1760
MgO	0.35	IS:1760
SiO2	0.21	IS:1760
Al2O3	0.056	IS:1760
Fe2O3	0.067	IS:1760
LOI	43.40	IS:1760
Size Analysis (Weighted Average Basis)		
Below 10mm	4.89	Sieve Test
Between 10 - 40mm	90.33	Sieve Test
Above 40mm	4.78	Sieve Test

PRODUCT SPECIFICATION - 3 (POULTRY FARMS GRADE)

TEST/PARAMETE	STANDARD/METHOD	RESULT	UNIT
Calcium Oxide (as CaO)	IS 1760: Part 3: 1992 (Reaffirmed 2022)	55.58	%(w/w)
Magnesium Oxide (as MgO)	IS 1760: Part 3: 1992 (Reaffirmed 2022)	0.20	%(w/w)
Silica (as SiO ₂)	IS 1760: Part 3: 1992 (Reaffirmed 2022)	0.25	%(w/w)
Loss on Ignition	IS 1760: Part 3: 1992 (Reaffirmed 2022)	43.65	%(w/w)
Aluminium (as Al ₂ O ₃)	ASTM C1301-95 (Reapproved 2014)	0.041	%(w/w)
Iron (as Fe ₂ O ₃)	ASTM C1301-95 (Reapproved 2014)	0.054	%(w/w)



KEY FEATURES & BENEFITS

HIGH PURITY:

Ensures superior performance in industrial applications

VERSATILE APPLICATIONS:

Suitable for multiple industries

COST-EFFECTIVE:

Competitive pricing for bulk orders

ECO-FRIENDLY:

Supports sustainable construction and industrial practices



APPLICATIONS :

CONSTRUCTION INDUSTRY:

Used in cement, concrete, and road base materials

STEEL MANUFACTURING:

Acts as a flux in steel refining

AGRICULTURE:

Improves soil pH and enhances crop yield

WATER TREATMENT:

Helps in neutralizing acidic water



HIGH CAPACITY

A Supplying capacity of 2000 TPD (Tons Per Day) of Limestone.



HEAVY MELTING STEELS

Heavy melting steels (HMS) or heavy melting scrap is broken up into two major categories:

HMS 1 and HMS 2, where HMS 1 does not contain galvanized and blackened steel, whereas HMS 2 does. HMS is typically traded as a blend of 1 and 2, either a premium blend (80/20) or lower grade mixes (70/30) and (60/40). For example, HMS 1 and 2 (80/20) should consist of HMS 1 and 2 in the ratio of 80% (HMS 1) and 20% (HMS 2). Each grade guarantees a minimum piece thickness: at least 1/4 inch (6.3 mm) for HMS 1, and 1/8 in for HMS 2 .



PRODUCT SPECIFICATION:

HMS 1 AND 2 SPECIFICATIONS AS DEFINED BY ISRI (INSTITUTE OF SCRAP RECYCLING INDUSTRIES):	
TECHNICAL DATA	DESCRIPTION
ISRI SPEC 200 (HMS 1)	Wrought iron and/or steel scrap 1/4 inch and larger in thickness. All pieces must be smaller than 60×24 in.
ISRI SPEC 201 (HMS 1)	Same as ISRI 200 except pieces must be smaller than 36×18 in.
ISRI SPEC 202 (HMS 1)	Same as ISRI 200 except pieces must be smaller than 60×18 in.
ISRI SPEC 203 (HMS 2)	Wrought iron and/or steel scrap, black and galvanized, 1/8 inch and larger in thickness.
ISRI SPEC 204 (HMS 2)	Same as ISRI 203 except pieces must be smaller than 36×18 in.
ISRI SPEC 205 (HMS 2)	Same as ISRI 204 except it may contain automotive scrap, except for thin guage material.
ISRI SPEC 206 (HMS 2)	Same as ISRI 205 except pieces must be smaller than 60×18 in.



APPLICATIONS

STEEL MANUFACTURING:

Essential for electric arc and induction furnaces.

CONSTRUCTION INDUSTRY:

Recycled into structural steel components

SHIPBUILDING:

Integral in the production of marine-grade steel.



PACKAGING & DELIVERY

PACKAGING:

Loose bulk, containers, or as per customer requirement.

DELIVERY OPTIONS:

Road, rail, and sea transportation



WHY CHOOSE US?

Reliable sourcing and efficient logistics.

Competitive pricing and bulk order discounts.

Stringent quality control measures.

Commitment to sustainable and responsible recycling practices.



DILUTE SULPHURIC ACID

An 80% dilute sulfuric acid refers to a solution that contains 80% sulfuric acid (H_2SO_4) by weight and 20% water. This means that in 100 grams of this solution, 80 grams are sulfuric acid and 20 grams are water. Such a concentration is considered a highly concentrated acid, though not as strong as the commercially available 98% sulfuric acid. It retains strong acidic properties and requires careful handling, including the use of appropriate protective equipment and safety protocols.



PRODUCT SPECIFICATION 1 (SULPHURIC ACID - 98%)

TYPICAL CHEMICAL ANALYSIS	
CHARACTERISTIC	TECHNICAL /COMMERCIAL GRADE
Total acidity (as H ₂ SO ₄), percent by mass, Min	98
Residue on ignition, percent by mass, Max	0.2
Iron (as Fe), percent by mass, Max	0.05
Lead (as Pb), percent by mass, Max	0.005
Lead (as Pb), percent by mass, Max	0.004

PRODUCT SPECIFICATION 2 (DILUTE SULPHURIC ACID - 80%)

TEST PARAMETERS	SPECIFICATION	RESULTS
Appearance	Slight turbid brownish liquid	Slight turbid brownish liquid
Specific Gravity @ 35°C	1.650-1.750	1.728
Acidity as H ₂ SO ₄ , % Mass	> 75.0%	80.0%
Iron as Fe in ppm	< 10.0 ppm	< 10.0 ppm
Chloride as Cl- in ppm	< 50.0 ppm	< 50.0 ppm



APPLICATIONS

Fertilizer, Chemicals, Dyes & Pigments, Petroleum Refining, Iron & Steel, Rayon & Film, Industrial Explosives, Laboratory reagent, Non ferrous metallurgy.



PHYSICAL PROPERTIES:

Highly Corrosive, Colourless, oily dense liquid, Miscible with water in all proportions, Very reactive and dissolves most metals, Concentrated acid oxidizes, dehydrates or sulphonates most organic compounds, Highly Toxic, Strong irritant to tissue.



PACKING & STORAGE:

Drums, Tanker Loads, Very reactive and dissolves most metals, Tank Barges, Storage is preferable in cool places.



HYDROCHLORIC ACID :

Hydrochloric acid, also known as muriatic acid or spirits of salt, is an aqueous solution of hydrogen chloride (HCl). It is a colorless solution with a distinctive pungent smell.



PRODUCT SPECIFICATION - 1 (TECHNICAL GARDE)

S.NO	TEST PARAMETERS	RESULTS
1	Appearance	Colorless liquid
2	Specific Gravity @ 25°C	1.160
3	Acidity as HCl, % Mass	32.05%

PRODUCT SPECIFICATION - 2 (COMMERCIAL GRADE)

TEST PARAMETERS	SPECIFICATION	TEST RESULT	TEST METHOD
Description	Clear, colourless or light-yellow liquid free from dirt and other visible impurities	Complies	IS 265:2021-4.1
Total acidity (as HCl), % by mass, Min	32 ±0.5	32.4	IS 265:2021-B
Residue on ignition, % by mass, Max	0.1	0.003	IS 265:2021-C
Sulphate as H ₂ SO ₄ , % by mass	0.1	0.0007	IS 265:2021-D
Iron as Fe, ppm	0.005	0.00003	IS 265:2021-E
Free chlorine and bromine (as Cl), % by mass, Max	0.001	0.00071	IS 265:2021-F
Sulphites as SO ₂ , % by mass, Max	0.05	Nil	IS 265:2021-G



APPLICATIONS

Fertilizer, Chemicals, Dyes & Pigments, Petroleum Refining, Etchant, Alkylation catalyst, Electro Plating Baths, Iron & Steel, Rayon & Film, Industrial Explosive, Non ferrous metallurgy.



PHYSICAL PROPERTIES:

Highly Corrosive, Colourless, oily dense liquid, Miscible with water in all proportions, Very reactive and dissolves most metals, Concentrated acid oxidizes, dehydrates or sulphonites most organic compounds, Highly Toxic, Strong irritant to tissue.



PACKING & STORAGE:

Drums, Tanker Loads, Tank Barges, Storage is preferable in cool places.



CHLOROFORM :

Chloroform, or trichloromethane (often abbreviated as TCM), is an organochloride with the formula CHCl_3 .

It is a volatile, colorless, sweet-smelling, dense liquid.

It is produced on a large scale as a precursor to refrigerants and PTFE (polytetrafluoroethylene).

It is produced industrially by heating a mixture of chlorine and either methyl chloride or methane.

It is also a by-product of water chlorination.



PRODUCT SPECIFICATION:

TEST PARAMETERS	SPECIFICATION	RESULTS
Description	Colorless Liquid, free from matter in suspension.	Colorless Liquid, free from matter in suspension.
Colour (Hazen Units)	Less than 15	6
Relative density at 27 / 27°C	1.4771.483	1.480
Distillation range, the temperature being corrected to a pressure of 760 mm Hg.	2 to 97% volume have been collected, shall not exceed 1°C and the range shall include the temperature of 61.3°C	Pass the test
Residue on evaporation, % / mass	0.002% Maximum	0.0006%
Foreign organic matter	To Pass test	Pass the test.
Free chlorine	To Pass test	Pass the test.
Acidity as HCl % / mass	Neutral	Neutral
Aldehydes	0.0005% Maximum	Nil
Ketones	0.005% Maximum	Nil
Moisture % / mass	0.01% Maximum	0.0098%
Total impurities due to methyl chloride, chloroform & Carbon tetra chloride, % / mass	0.025% Maximum	Pass the test.
Purity, % / mass	99.5% Minimum	99.98%



APPLICATIONS

Fluorocarbon Refrigerants and Resins, Fire fighting Agent, Solvent in Dye and Perfume manufacturing, Extractant for Penicillin, Essential Oils, and Alkaloids, Nicotine, etc., Soil Fumigants, Mildew Preventives, Pharmaceutical Preparation.



EXCLUSIVE FEATURES:

Colourless & non-flammable volatile liquid. Boiling Point: 61.30C Miscible with organic solvents and slightly soluble in water with etheric colour Product.



PACKAGING:

Zinc coated non returnable GI Barrels each of 250 kg net weight for Export, 280 kg net weight for domestic market in HM-HDPE Barrels

To Be Recognized As Who We Are, From What We Do, Remains Among Our Greatest Achievements



COMMUNITY ENRICHMENT

Service to the community has long been at the

Sri Balaji Group strongly considers that sustainable civic improvement is crucial for solidarity between the community and the organisations. We strive to make a constructive impact to the underprivileged neighborhoods by supporting a wide range of socio-economic, educational and health initiatives. We empower communities through farming development, skill development of youth, promoting entrepreneurship.

OUR SERVICE



SWACHH BHARAT



ENVIRONMENT DAY



PLASTIC FREE ZONE AWARENESS MEETING



GENERAL SAFETY AWARENESS



AFFORESTATION DRIVES



DONATED FOR FOLDING WHEEL CHAIRS AND STRETCHER TROLLEY TO GOVERNMENT HOSPITAL



EDUCATIONAL FUND



MEDICAL CAMPS



WILDLIFE CONSERVATION



12+

Years of Experience

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