



ISC

Irrh Specialty Chemicals India Limited

Introduction



IRRH Specialty Chemicals India Limited has been producing plastics additives, lubricants and releasing agents with its indigenous technology and has been leading the specialty chemical market with its superior technical expertise.

Based on accumulated technical expertise and excellent research capability, we are creating new products for the 21st century. We always strive to provide our customers complete satisfaction and try to impress them with our innovative products and services, at all times. We, research and develop novel products and technology continuously. Also we promise to develop and provide quality solutions for your additive queries always.

With technical expertise from Irrh Specialty Chemicals Co. Ltd, S.Korea, Irrh Specialty Chemicals India Limited was founded in January 2010. Irrh Specialty Chemicals India Limited established its new manufacturing facility for Metallic Stearates and Amides in Abu Road, Rajasthan, India and started commercial production in January 2012.



Irrh Specialty Chemicals India Limited

The Products

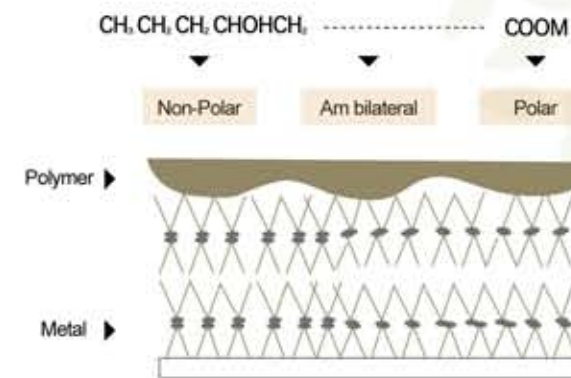
1. Zinc Stearate

Grades	Melting Point °C	Metal Content (%)	Free Fatty Acid Content (%)	Moisture Content (%)	Bulk Density (gr/ml)	Particle Size (Mesh)
ISC-500F	116-125	10.4-11.4	Max 0.5	Max 0.5	0.2-0.3	500 Mesh-99% Pass
ISC-1000	116-125	10.4-11.4	Max 0.5	Max 0.5	0.2-0.3	350 Mesh- 99% Pass
ISC-500	116-125	10.4-11.4	Max 0.5	Max 0.5	0.2-0.3	325 Mesh-99% Pass
ISC-400	116-125	10.4-11.4	Max 0.5	Max 0.5	0.2-0.3	325 Mesh-99% Pass
ISC-350	116-125	10.4-11.4	Max 1	Max 0.5	0.2-0.3	350 Mesh- 99% Pass

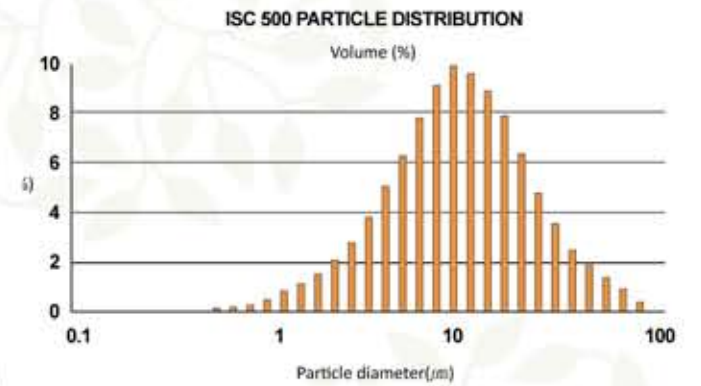
Environment: Biodegradable.

Toxicity: Zinc Stearate is non-toxic as per the following reference:
 (U.S.A) FDA Title 21CFR 175.300-177.2600-182.8994
 (EEC) Commission directive 90/128/EEC and further amendments

Characteristics & Structure



Particle Size Distribution:



Applications

PVC Stabilizer	Synergic Stabilizer for Ba/Cd & Pb Ca-Zn Stabilizer systems
Paint Industry	All Types of Sealer
Rubber, Polyurethane, Polyester Industry	Metal Release Agent
Playing Cards Industry	To Reduce Friction between Cards
Cosmetic Industry	Lubricant to Improve Texture
Metal Industry	Die Release Agent
Tyre Industry	As an activator for Die release agent

Packing Size: 20Kgs/Bag (Standard Packing Size).

2. Calcium Stearate

Grades	Melting Point °C	Metal Content (%)	Free Fatty Acid Content (%)	Moisture Content (%)	Bulk Density (gr/ml)	Particle Size (325 Mesh)	Particle Size (325 Mesh)
IR-100	150~160	6.5~7.3	Max 0.5	3.0 Max	0.2~0.3	90% Pass	-
ISC-100	150~160	6.5~7.3	Max 0.5	3.0 Max	0.28~0.38	-	90% Pass

Modified Calcium Stearate (IR-102)

Grades	Melting Point °C	Metal Content (%)	Free Fatty Acid Content (%)	Moisture Content (%)	Bulk Density (gr/ml)	Particle Size (200 Mesh)
IR-102	140~150	6~7	1Max	3Max	0.26	90% Pass

Environment : Biodegradable

Toxicity : Calcium Stearate is non-toxic as per the following reference:

(U.S.A) FDA Title 21CFR 172.863-177.2600-184.1229,

(EEC) Commission Directive 90/128/EEC and further amendments.

Applications

Food Industry	Flow agents in Powders including some foods and surface conditioner in candies
Fabric Industry	Waterproofing Agent
Stationary Industry	Lubricant in Crayons & Pencils
Construction Industry	As waterproofing and used for efflorescence control
Paper Industry	Lubricant for providing gloss and fold cracking
Plastic Industry	Lubricant, Acid Scavenger, release agent
Pharmaceutical Industry	Tablet Mold release, Anti Tack Agent, Gelling agent

Packing Size: 20Kgs/Bag (Standard Packing Size).

3. Magnesium Stearate

Grades	Melting Point °C	Metal Content (%)	Free Fatty Acid Content (%)	Moisture Content (%)	Bulk Density (gr/ml)	Particle Size (200 Mesh)
IR-300	120~135	4~5	1Max	3.0 Max	0.28	90% Pass

Modified Magnesium Stearate (IR-302) :

Grades	Melting Point °C	Metal Content (%)	Free Fatty Acid Content (%)	Moisture Content (%)	Bulk Density (gr/ml)	Particle Size (200 Mesh)
IR-302	130~140	3.5~4.5	2.0Max	3.0 Max	0.28	90% Pass

Environment: Biodegradable

Toxicity: Magnesium Stearate is non-toxic as per the following reference:

(U.S.A) FDA Title 21CFR172.863-175.300

(EEC) Commission Directive 90/128/EEC and further amendments.

Applications

Pharmaceutical Industry	Used as Diluent in manufacturing tablets, capsules and powders.
Food Industry	Used for binding sugar in hard candies
Petrochemical Industry	Used as a lubricant

Packing Size: 20Kgs/Bag (Standard Packing Size).

4. Aluminium Stearate

Grades	Melting Point °C	Metal Content (%)	Free Fatty Acid Content (%)	Moisture Content (%)	Bulk Density (gr/ml)	Particle Size (200 Mesh)	Particle Size (325 Mesh)
IR-800	160 Maximum	5.5 Maximum	8.0 Max	1.5 Max	0.2~0.3	90% Pass	-

Applications

Petrochemical Industry	High Temperature resistance when used in Lubricants. Used for defoaming properties
Metal Industry	As lubricant for wire drawing
Paint Industry	For improving pigment suspension, water resistance and gloss.
Ink Industry	Used for thickening & suspension improving
Rubber Industry	Used for preventing stickiness.
Plastic Industry	Used for lubricant for Polyamides and Thermosetting plastics
Construction Industry	Used for improving water resistance

Packing Size: 15Kgs/Bag

5. Barium Stearate

Grades	Melting Point °C	Metal Content (%)	Free Fatty Acid Content (%)	Moisture Content (%)	Bulk Density (gr/ml)	Particle Size (200 Mesh)	Particle Size (325 Mesh)
IR-400	200~210	19.5~20.5	2.0 Max	1.0 Max	-	90% Pass	-

Packing Size: 20Kgs/Bag

6. Lithium Stearate

Grades	Melting Point °C	Metal Content (%)	Free Fatty Acid Content (%)	Moisture Content (%)	Bulk Density (gr/ml)	Particle Size (200 Mesh)	Particle Size (325 Mesh)
IR-200	190~200	Max 2.5	Max 0.5	2.0 Max	-	90% Pass	-

Packing Size: 15kgs/Bag

7. Hydrogenated Castor Oil (Powder Form)

Grades	Melting Point °C	Acid Value	Iodine Value	Hydroxyl Value	Saponification Value	Color in Gardner Scale	Particle Size (200 Mesh)
HCO (Powder Form)	85-87	Max 3	Max 2.5	Min 155	175-183	Max 2	99% Min

Packing Size: 20Kgs/Bag

8. Iscowax (Fatty Acid Bis-Amides)

Grades	Acid Value	Amine Value	Melting Point	200Mesh	325mesh
Iscowax-C	Max 10	Max 2.5	141-143	90% Pass	-
Iscowax-OL	Max 10	Max 5	115-125	Min 50% Pass	-
Iscowax-HF	Max 10	Max 5	135-145	90% Pass	-

Packing Size: 25Kgs/Bag

9. PE-Wax (Iscowax)

Grades	Viscosity (cps/160°C)	Density (gm/cc)	Hardness, dmm	Melting Point	Acid Value
Iscowax-A	397	0.92	3.2	Max 110	Nil
Iscowax -ALH-1200	1200	0.92	2.5	107	Nil
Iscowax-AH 633	393	0.94	1.8	117	Nil
Iscowax-O	200	0.93	Max 5	105	16

Packing Size: 25Kgs/Bag

10. IR-722- Glycerol Ester.

Grades	Acid Value	Saponification Value	Mono Glycerol (%)	Free Glycerol (%)	Melting Point (°C)	Particle Size
IR-722 (P)	Max 2	155-165	90 Min	Max 2	68-75	200Mesh - Min 90% Pass
IR-722 (B)	Max 2	155-165	90 Min	Max 2	68-75	Beads

Packing Size: Beads- 20Kgs/Bag. Powder- 15Kgs/ Box.

11. IR-724 (Glycerol Tri-Stearate)

Grades	Acid Value	Saponification Value	Iodine Value	Water Content (%)	Melting Point (°C)	Particle Size
IR-724 (P)	Max 2	186-192	Max 2	Max 0.5	55-65	200Mesh - Min 90% Pass
IR-724 (B)	Max 2	186-192	Max 2	Max 0.5	55-65	Beads

Packing Size: Beads-20Kgs/Bag. Powder- 15Kgs/Box.

12. Non-Ionic Surfactants

PEG 200, 300, 400, 600, 1500, 4000, 6000, 8000 and Others

13. PEG Esters

PEG Mono & Di-Stearates

14. Polysorbates

Polysorbate 20. Polysorbate 60. Polysorbate 80.

We understand the need for quality and we therefore strive to offer you quality products with prompt and friendly services. We maintain quality throughout the process and also have quality staff to assist our clients at various stages of their product development.

Quality Policy:



All products manufactured by us are of vegetable origin and certification such as Halal and Kosher is available.

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The logo for Irrh Specialty Chemicals India Limited, featuring the letters 'ISC' in a stylized, orange and grey font.

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