



Additives That Matter

Additives for Paints and Coatings



Introduction:

IRRH Specialty Chemicals India Limited has been producing paint additives 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 new 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, Anti-Settling and Anti-Sagging Agents, Polyamide waxes and Polyethylene Waxes** in Abu Road, Rajasthan, India and started commercial production in January 2012.



The Products :

Anti- Settling and Anti- Sagging Agents (Paste Form)

Iscowax- HF (Paste)- Iscowax- HF Paste is Anti- Settling agent in Paste form based on amide wax rheology. It is easy to incorporate as it is already pre-activated.

Properties: White- Off White Paste.

Volatile: Xylene

Solids: 22%.

Addition Level by Total Weight: 2-5%



Iscowax- HOF (Paste)- Iscowax-HoF is amide wax with additives in paste form. It helps in preventing settling and sagging in solvent based Paints. It can be easily used in heavy duty primers, where pigment loading is high as it provides good anti-settling properties without increasing the viscosity.

Properties: White- Off White Paste.

Volatile: Xylene

Solids: 22%.

Addition Level by Total Weight: 2-5%

1. Anti-Settling and Anti-Sagging agents (Powder Form)

Iscowax- Hf- Micronized Anti-Settling agent based on Amide Wax Rheology for solvent based, high- solids and solvent free applications . Iscowax-Hf due to its hydrogen bonding lowers the activation temperature which upon heating, swells and disperses to provide efficient thickening.

Properties:

Appearance: White- Off White Powder.

Capillary Melting Point: 135-145°C.

Anti-Settle and Sag resistance: 0.5-1.5%.

Iscowax- HOF (Powder)- Micronized amide wax with additives for all types of solvent based coatings. Iscowax Hof powder can be easily incorporated and activated by High Speed stirrers.

Properties: White- Off White Powder.

Capillary Melting Point: 115-125°C.

Anti-Settle and Sag resistance: 0.5-1.5%.

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	1.5Max	0.20~0.30	90% Pass	

Applications:

Petrochemical Industry	High Temperature resistance when used in Lubricants. Used for defoaming properties
Paint Industry	For improving pigment suspension, water resistance and gloss.
Ink Industry	Used for thickening & suspension improving
Construction Industry	Used for improving water resistance

Packing Size: 15Kgs/Bag

ISC- Castor Wax (Powder Form):

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

2 Waxes for Paint and Ink Industry:

Iscowax-CF- Micronized Amide wax is used in wood coatings to improve surface slip, sanding and matting properties. It is used in powder coatings to improve the surface slip of the powder and also as degassing agent.

Applications: All types of Wood and furniture coatings.

Powder coatings.

Can Coatings.

Dosage: 0.2-1.8%, based on the weight of total formulation.

Packing Size: 20Kgs/Bag.

Iscowax-OL- Polyamide wax used in inks as adhesion and scratch resistance.

Amine Value: Max 5.

Melting Point: 95-105 Degrees C.

Appearance: White powder.

Acid Value: Max 5.

Packing Size: 20Kgs/Bag.



PE Waxes:

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

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-500	116~125	10.4~11.4	Max 0.5	Max 0.5	0.20~.03	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.

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 (200 Mesh)	Particle Size (325 Mesh)
ISC-100	145~160	6.5~7.3	Max 0.5	3.0 Max	0.28-0.38		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:

Construction industry

As waterproofing and used for efflorescence control

Packing Size: 20Kgs/Bag

3. Non-Ionic Surfactants:

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

4. PEG Esters:

PEG Mono & Di-Stearates.

5. Polysorbates:

Polysorbate 20.

Polysorbate 60.

Polysorbate 80.

Contact Us

India Operations:

- 🏠 F-295-297, RIICO Growth Center, Phase-1, Abu Road, Rajasthan-307026
- ☎ Mob: 7665000917
- 🌐 Website: www.irrhscindia.com
- @ Email: info@irrhscindia.com
irrhsc@irrhscindia.com

USA Operations:

- 🏠 178, Industrial Rd, Frackville, PA 17931
- ☎ Tel: 302-670-0008
- 🌐 Website: www.irrhusa.com
- @ Email: info@irrhusa.com

Korea Operations:

- 🏠 40-1, Heomanseok-ro, Jochiwon-Eup Sejong, South Korea- 30036
- 🌐 Website: www.irrhsc.com
- @ Email: irrhsc@irrhsc.com
- ☎ Tel: 0082-43-218-5060

