

Crodamide™ EBS

General

| | |
|----------------------|-------------------------|
| Chemical description | Ethylene-bis-stearamide |
| Physical form | Powder, bead, microbead |
| Origin | Non-vegetable |
| CAS | 110-30-5 |
| EINECS | 203-755-6 |

Applications

Crodamide EBS is a secondary *bis* amide effective as an anti-block agent and process aid for polyolefins. It has proven mold release benefits in nylon and is a lubricant for PVC.

Mode of action

Crodamide EBS can be dispersed evenly through the polymer in the melt phase. It migrates to the surface of the polymer where it forms a thin lubricating layer. This layer reduces coefficient of friction between surfaces and prevents any unwanted adhesion.

Features and benefits

- Anti-block
- Dispersion
- Mold release
- External lubricant for PVC

Recommended polymers

- All polyolefins
- Nylon
- PVC
- Styrenics
- Rubber

Guidelines for use

Crodamide EBS is an internal additive and can be incorporated into resin as supplied or via masterbatch / pre-blend. Experience has shown that simple manual mixing prior to processing will normally give an acceptable dispersion though, mechanical means are preferred.

Typical addition levels vary depending on polymer and lubrication required. Croda recommends around 500 – 2000ppm in films and 0.2 – 1.0% in molding applications.

CRODA
Polymer Additives

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Crodamide™ slip & anti-block

| Specification | Lower | Upper | Units |
|----------------|-------|-------|----------|
| Acid value | 0 | 7 | mg KOH/g |
| Iodine value | 0 | 1 | g/100g |
| Melting point | 143 | 149 | °C |
| Colour gardner | 0 | 4 | |
| Amine value | 0 | 3 | mg KOH/g |

Physical form, packaging and storage

Crodamide EBS is supplied as either a powder or a microbead in 25kg bags as standard. Croda recommends storing Crodamides in a dry well ventilated place at 25°C (77°F) max. Prolonged storage over 35°C (95°F) or in direct sunlight can cause agglomeration and discoloration.

Shelf life of 360 days.

Health and safety data

Crodamide EBS is considered to be non-toxic and is not expected to be irritating to skin and eyes. Material safety data sheets (MSDS) are available upon request

| Inventory status | | | |
|------------------|---------|-------------|--------|
| TSCA | Listed | DSL | Listed |
| AICS | Listed | PICCS | Listed |
| ENCS | (2)-831 | MEO/ECL | 2-888 |
| PICCS | Listed | New Zealand | Listed |
| Austria | EINECS | Europe | EINECS |
| Switzerland | EINECS | | |

Food contact statements are available upon request

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