

Technical Data Sheet

Intercure® 1



Introduction:

Intercure® 1, produced by IB Chem S.r.l. – INTERBUSINESS GROUP, is a blocked diamine cross-linking agent used in Fluorocarbon (FKM), Polyacrylic (ACM), Ethylene-Acrylic (EAM) and Epichlorohydrin (ECO) elastomers.

Depending on choice of elastomer, desired cure rate and physical properties can be obtained using levels ranging from 0.5 to 1.5 p.h.r..

Intercure® 1 is needed when applications require F.D.A. approval.

Intercure® 1 can also be used with additional accelerators to provide an optimum balance of properties in the above elastomers.

Typical Characteristics:

Composition			
	Substance (6-aminohexyl) Carbamic acid	% by Weight 100	REACH No. UK-01-9403278005-1-0002 Tonnage band 10 – 100 t/y
Product Description			
	Formula	C ₇ H ₁₈ N ₂ O ₂	Status Full (Lead registrant)
	Appearance	Fine white powder	
	Odour	Slight amine.	
	CAS No. /EINECS No.	143-06-6 / 205-581-6	
	TSCA Inventory status	Listed Vol.2, pag.333, of 1979	
Properties			
	Description	Unit	Value
	Purity	%	99.5
	Specific Gravity		1.28 ±0.02
	Decomposition point	°C	154
	Moisture	%	0.4
	Ash Content	%	0.05
	Solubility	---	Soluble in water, Insoluble in alcohols
	Particle Size	< 10µm (% Volume)	85 min.
		< 15µm (% Volume)	95 min.
		< 20µm (% Volume)	100

Shelf Life:

Keep container tightly closed in a cool and dry place (23°C and 50% RH). After 24 months, retest before use.

Health & Safety:

Contact may cause skin or eye irritation. Inhalation, ingestion, skin and eye contact should be avoided. Gloves, safety goggles, respirator masks and protective clothing should be worn when handling the powder.

Local exhaust is recommended to remove dust. May form flammable dust-air mixtures. Avoid heat, sparks and open flames. Processing equipment should be well grounded.

Detailed advice on the Health & Safety aspects of this product is given in the individual product Material Safety Data Sheet (MSDS), available upon request.

INTERCURE® is a registered trademark of Interbusiness S.R.L., Via Spartaco 25, 20135 Milano, Italy.

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