

INTERCURE®4

4,4'-methylene-bis (cyclohexylamine) carbamate

INTERCURE®4, produced by IB Chem S.r.l. - INTERBUSINESS Group, is an alicyclic amine salt used as a curing agent mainly for Fluoroelastomers (FKM). For its safety in processing, it can be positioned between INTERCURE®1 and INTERCURE®3. Its cross-linking efficiency provides FKM compounds with physical properties similar to those obtainable with INTERCURE®1. As with INTERCURE®1, INTERCURE®4 is needed when applications require F.D.A. approval.

While levels from 1.8 to 2.2 p.h.r. of INTERCURE®4 meet a wide range of needs, a 2 p.h.r. level provides an optimum balance of safe processing, cure rate and physical properties.

PRODUCT DESCRIPTION

Formula	$C_{14}H_{26}N_2O_2$
CAS No. / EINECS No.	13253-82-2/236-239-4
TSCA Inventory status	Listed
Appearance	Fine white powder
Odor	Slight amine
Purity	97% min.
Specific gravity at 25/4°C	1.23 ± 0.02
Decomposition point	150°C min.
Moisture	1.5% max.
Ash content	0.05% max.
Particle size:	
< 7 µm (%Volume)	85 min.
< 15 µm (%Volume)	95 min.
< 30 µm (%Volume)	100
Storage stability, unopened ⁽¹⁾	24 months min.
Solubility	Soluble in acidic solutions, slightly in water

⁽¹⁾ Keep container tightly closed in a cool and dry place (23 °C and 50 % RH). After 24 months, retest before use.

NOTE: These data are presented to describe INTERCURE®4 and are not intended to serve as specifications.

SAFETY AND HANDLING

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.

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