

## INTERCURE®1-DF

### Hexamethylenediamine carbamate (HMDC) - dust free (2% Paraffinic White oil)

INTERCURE®1-DF, produced by IB Chem S.r.l. - INTERBUSINESS Group, is a blocked diamine cross-linking agent containing 2% of Paraffinic White oil. It is used in Fluoroelastomers (FKM), Polyacrylic (ACM), Ethylene-Acrylic (AEM) 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-DF, is needed when applications require F.D.A. approval.

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

#### PRODUCT DESCRIPTION

Formula	$C_7H_{16}N_2O_2$
CAS No. / EINECS No.	INTERCURE®1: 143-06-6/205-581-6 Paraffinic White oil : 8042-47-5/232-4558
REACH - Registration No.	INTERCURE®1 : 01-2120755360-60-0000 Paraffinic White oil : 01-2119487078-27-xxxx
Appearance	Fine white powder
Odor	Slight amine
Purity	97.5 % min.
Paraffinic White oil	2% max.
Specific gravity at 25/4°C	NE
Decomposition point	155°C min.
Moisture	0.4 % max.
Ash content	0.05 % max.
Particle size:	
< 10 µm (%Volume)	85 min.
< 15 µm (%Volume)	95 min.
< 30 µm (%Volume)	100
Storage stability, unopened <sup>(1)</sup>	24 months min.
Solubility	Soluble in water, insoluble in alcohols

<sup>(1)</sup> 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®1-DF 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.

#### INTERCURE IS A REGISTERED TRADEMARK OF INTERBUSINESS S.r.l.

Information given herein is furnished in good faith, without warranty, representation, inducement or license of any kind. Interbusiness does not assume any responsibility for use of or reliance upon same. No warranty or representation is given that Interbusiness products described will be suitable in purchasers' processes or formulations for any particular end use. No representation is given as to freedom from patent infringement.

Kindly direct all inquiries to our Headquarters at:

**INTERBUSINESS S.r.l.**

Via Spartaco, 25

20135 Milano (Italy)

T. +39 02 5519 0093 - F. +39 02 5990 1213

info@interbusinessgroup.com

interbusinessgroup.com