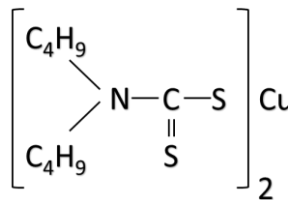


CDBC (Copper Dithiocarbamate, granules – Polymerization Inhibitor)

- **COPPER DIBUTYL DITHIOCARBAMATE**
- **C₁₈H₃₆N₂S₄Cu**
- **Molecular Weight: 472g/mol**
- **CAS: 13927-71-4**
- **EINECS: 237-695-7**
- **REACH registration: 01-2119979535-22-0000**



PRODUCT	Copper content (%)	Melting point (°C) min*	Specific gravity	Natural color	Remarks
CDBC GR	13-16	73	1.14	Dark brown to black	Free-flowing granules (GR), almost dust free product

GR: Granules

*Other formulations available on request

PROPERTIES

Ekaland™ CDBC is a dark brown solid in granular form.

APPLICATIONS

CDBC is mainly used as a polymerisation inhibitor in the production of acrylic acid and its derivatives.

CDBC is widely used in different processes of production of acrylic acid, including:

synthesis by gas-phase catalytic oxidation of propylene or acrolein, transesterification of 1-4 butanediol (Patent from Nippon Shokubai 2003), decomposition of an acrylic ester with the Michael adduct reaction (Mitsubishi 2003).

The synthesis of acrylic acid requires a purification by distillation.

CDBC acts as a stabilizer during distillation to avoid the polymerisation of pure acrylic acid above 115 °C (e.g. Matsushita 2003).

CDBC can be used alone, at concentration from 30 ppm up to 3500 ppm (Sakatomo, 1996) or as part of a mix of different chemicals (Nippon Shokubai 2002, ATOFINA 2001, Sumitomo 1999, Okamoto 1996), including:

- metallic salts: sodium dichromate, iron metal, manganese acetate,
- organic compounds, including: hydroquinone, methoxy-hydroquinone, monoethanolamine, phenothiazine, urea, from 25 to 300 ppm concentrations ranges.

CDBC can be used also as accelerator specially for water seals.

CDBC is also able to cure efficiently black dienic rubber compounds, giving a low compression set.

PACKAGING & STORAGE

Black paper bag weight: 20 kg net

Standard CP1 pallet: 500 kg net

Big bag weight: 360 kg net

Standard CP1 pallet: 360 kg net

Shelf-life: 2 years in its original packaging.

Store in a dry and cool place and away from direct sources of heat or sunlight.

SAFETY & TOXICITY

For detailed information, please refer to our Material Safety Data Sheet.

The information contained in this leaflet is based on tests carried out by our laboratories and data selected from the literature but shall in no event be held to constitute or imply any warranty or undertaking. No liability whatsoever can be accepted with regard to the handling, processing or use of the products concerned, which must in all cases be employed with regard to all relevant regulations and/or legislation in the country or countries concerned.

Issued 12 dated February 2022

TECHNICAL DATA SHEET

MLPC International

209, Avenue Charles Despiau – 40370 Rion des Landes - France
Tel.: +33 (0)5 58 57 02 78 – Contact : commercial@mlpc-intl.com
<http://www.mlpc-intl.com>

ARKEMA

DISCLAIMER FOR MEDICAL DEVICE POLICY

The product described in the brochure is not Medical grade designated for Medical Device applications.

Arkema general Medical Devices Policy

Arkema has implemented an internal Medical Policy regarding the use of Arkema products in Medical Devices applications that are in contact with the body or circulating bodily fluids. Arkema has designated Medical grades to be used for such Medical Device applications. Products that have not been designated as Medical grades are not authorized by Arkema for use in Medical Device applications that are in contact with the body or circulating bodily fluids. In addition, except for limited cases as determined by the Medical Device Policy, Arkema strictly prohibits the use of any Arkema products in Medical Device applications that are implanted in the body or in contact with bodily fluids or tissues for greater than 30 days. For any use of Arkema's product in Medical Device applications, please contact Arkema's sales network.