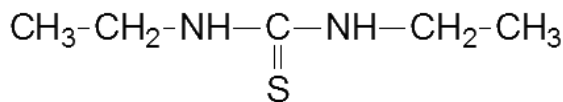


DETU (Thiourea Accelerator, Antidegradant and Corrosion Inhibitor)

- **DIETHYL THIOUREA**
- **C₅H₁₂N₂S**
- **Molecular Weight: 132**
- **CAS: 105-55-5**
- **EINECS: 203-308-5**
- **REACH registration: 01-2119974271-37-0000**



PRODUCT	Minimum purity* (%)	Melting point (°C) min*	Specific gravity	Natural color	Remarks
DETU CR	98	76	1.1	White**	Advisable for rubber and non-rubber applications

CR: Crystals

*Typical values / ** Depending on natural variation of DETU

PROPERTIES

Ultra-accelerator for mercaptan-modified CR (1-3 phr). It has a vulcanization behaviour similar to that of ETU and DBTU.

It is also used as a secondary accelerator for NR and synthetic rubbers.

It improves silanization process specially in green tire too.

It is used as accelerator for acrylic adhesives.

It disperses easily in rubber. It is non-staining and does not bloom.

It is usually used as an anticorrosive agent for prevention of metallic surfaces against strong mineral acids as sulfuric (sulphuric pickling of metal). It is ashless no staining product

APPLICATIONS

- General rubber goods: wire and cable, low temperature cured moulded parts, extruded profiles, footwear etc.
- Non-rubber: lubricants, metal treatment, inks.

PACKAGING & STORAGE

Paper bag weight: 20 kg net
Standard CP1 pallet: 500 kg net

Shelf-life: 1 year in its original packaging

DETU is highly susceptible to clumping over time. It is very important to ensure that it is stored in its original packaging in a dry and cool place, away from direct sources of moisture, heat and sunlight.

SAFETY & TOXICITY

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

NITROSAMINE FREE

DETU is also available in masterbatch form, under the MIXLAND+® brand name, offering a reduction of industrial hygiene problems and different technical benefits

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.

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TECHNICAL DATA SHEET

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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.