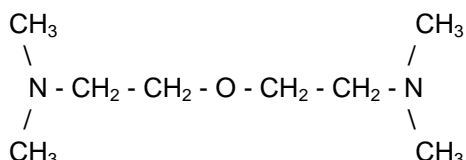


### JEFFCAT<sup>®</sup> ZF-20 CATALYST

#### DESCRIPTION

JEFFCAT<sup>®</sup> ZF-20 catalyst chemical identity is bis-(2-dimethylaminoethyl)ether.



#### TYPICAL PROPERTIES

Appearance	Clear liquid, substantially free of foreign matter
Purity, wt-%	99.4
Water, wt-%	0.2
Colour, Pt-Co	35
Freezing Point, °C	< -70
Boiling Point, °C	191
Flash Point, PMCC, °C	64
Viscosity, cp @20°C	< 4
Density, g/ml 20/20°C	0.85

Current sales specifications can be obtained from any Huntsman LLC office.

#### SUGGESTED USES

JEFFCAT<sup>®</sup> ZF-20 catalyst is widely used in flexible polyether slabstock and moulded foams using either TDI or MDI formulations. It can be used alone or with other amine catalysts to balance the blowing and gelation reactions. JEFFCAT<sup>®</sup> ZF-20 catalyst gives a rapid cream time and is recommended for use in partially water-blown rigid spray foams. It is a

powerful catalyst for the isocyanate-water reaction and has applications in certain moisture-cured coatings, caulks and adhesives.

#### AVAILABILITY

JEFFCAT<sup>®</sup> ZF-20 catalyst is available in non-returnable drums of 168 kg net. Requests for samples can be made through any Huntsman LLC sales office.

#### REGULATORY STATUS

CAS No.	3033-62-3
EINECS No.	221-220-5
TSCA	Registered

#### STORAGE AND HANDLING

Please refer to our bulletin on "Storage and Handling of JEFFCAT<sup>®</sup> Catalysts" and the Material Safety Data Sheet on this product for necessary information.

#### PRODUCT SAFETY POLICY

It is the policy of Huntsman LLC to provide customers with information on the safe handling and use of our products. The Material Safety Data Sheet (MSDS) should always be read and understood thoroughly before handling the product and adequate safety procedures should be followed. Information on toxicity, environmental and industrial hygiene aspects of our products may be found in the MSDS, which is available upon request through any Huntsman LLC office.