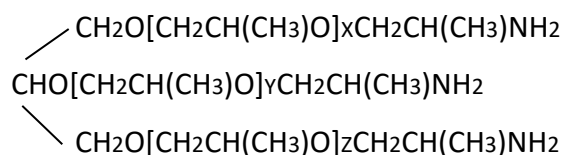


# Polyether Amine T-5000

## Description

Polyether Amine T-5000 is a primary Polyether Amine with trifunctionality. Its molecular weight is about 5,000. It is a clear, almost colorless, viscous, liquid product.

## Structural Formula



$$X + Y + Z = 81$$

## Technical Properties

Parameters	Unit	Value	Test Method
Appearance		Colorless to pale yellow transparent liquid	ST-30.1
Color	(Pt-Co)	≤ 50	ST-30.12
Primary Amine	% of total amine	≥ 97	ST-5.34
Total Acetylatables	mmol/g	0.58 – 0.63	ST-31.39
Total Amine	mmol/g	0.50 – 0.54	ST-5.35
Water content	%	≤ 0.25	ST-31.53,6

## Application

T-5000 is an active chain extender for polyurethane with typical reaction properties of primary amine. It is widely used in polyurethane RIM industry as the main raw material of Spray Polyurea Elastomer. Because of its characteristic structure, T-5000 has good toughening effect in epoxy resin industry. Together with polyamides, it can also be used in highly-intensive epoxy adhesive.

T5000 has surface corrosion resistance performance in epoxy-polyurethane system.

## Safety

T-5000 has micro toxicity in oral administration; non-toxicity for skin absorption; weak irritation to skin, and strong irritation to eyes. Please use mask to protect the face when loading/unloading T-5000. If T-5000 contact the eyes accidentally, it is necessary to wash with water for at least 5 minutes, and conduct the required medical observation. Wash with water and soap in time if T-5000 contact with the skin.

**Package and storage**

Packed in barrels of 200kgs each with nitrogen. 1000kg for IBC. Validity period is one year in shadow.