

EVERTECH DAS

Scavenger for Toluene diamine (TDA) and Methylene dianiline (MDA)
in Polyurethane Foam

PRODUCT DESCRIPTION

EverTech DAS is a modified succinic anhydride product recommended to scavenge TDA and MDA from polyurethane foams. The higher molecular weight of EverTech DAS results in lower emissions in the final foam product. Recommended use levels for EverTech DAS are 0.6-1.0 pphp.

TYPICAL PROPERTIES

Appearance	Clear, Amber Liquid
Specific Gravity (25°C)	0.950
Viscosity @ 25°C	225
Flash Point (°C)	201
Boiling Point @ 5 mm Hg	258 °C
Olefin content, wt%	2.0
Anhydride, mmol/g	3.0
Free Acid, by FTIR, wt%	< 0.5
Vapor Pressure @ 20 °C, mm Hg	< 1.0
Color, Gardner	12

EverTech DAS gives measurably lower emissions than most competitive products on the market. Using this scavenger assists the foam formulator to achieve the targeted reductions of TDA and MDA emissions outlined in the Certi-PUR-US Technical Guidelines for Flexible Slabstock Foams (November 20, 2020)

TDA/MDA

Substance	CAS-No.	Guideline Limit
2,4 – Toluenediamine (TDA)	95-80-7	≤ 5.0 ppm
4,4' – Diaminodiphenylmethane (MDA)	101-77-9	≤ 5.0 ppm
Sum of TDA (2,4) plus MDA (4,4')	95-80-7 + 101-77-9	≤ 5.0 ppm

Test Method: A subsample shall be cut and extracted with 1% aqueous acetic acid solution. To achieve optimal sensitivity and selectivity, the extracts are analyzed using high pressure liquid chromatography with detection using mass spectrometry/mass spectrometry (HPLC/MS/MS).

PACKAGING

EverTech DAS is available in 275 gallon (1,041 liter) IBCs and 55 gallon (208 liter) steel drums.

SHIPPING CLASSIFICATION

EverTech DAS is not regulated for transportation.

STORAGE & HANDLING

EverTech DAS is not corrosive to carbon or stainless steel. Storage under a nitrogen blanket is recommended to prevent hydrolysis of the anhydride moiety.

With a rat oral LD₅₀ and rabbit dermal LD₅₀ both greater than 5,000 mg/kg. EverTech DAS is expected to have a low level of acute toxicity. CELLTECH® DAS is not expected to cause skin or eye irritation. EverTech DAS has been shown to induce skin sensitization in laboratory animals. EverTech DAS was shown to be nonmutagenic in laboratory tests.

Chemical-resistant gloves, goggles and full-body protective clothing should be used for all operations where liquid contact is possible.

For product clean-up, soak up product using dry adsorbent, paper towels or dry rags; containerize and dispose of in accordance with local, State and Federal regulations.

For further health and safety instructions, please refer to the product Material Safety Data Sheet, available by calling +1 484-234-5030 by visiting www.everchem.com.