

## Niax A-133 tertiary amine catalyst Momentive

### Overview:

#### 【Product Introduction】

NIAX Catalyst A-133 contains 33% triethylenediamine as a liquid catalyst. Such a highly active tertiary amine catalyst promotes the reaction of isocyanate with polyol to cross-link the foam. It also gives good mechanical properties of flexible polyurethane foam. The best performance of this catalyst A-33 can be obtained when NIAX Catalyst A-1 is used in combination.

#### 1. Chemicals and corporate identity

Product Name:	A-33		
Chemical Name:	33% triethylenediamine solution		

#### 2. Component/composition information

Projects	Indicators	Projects	Indicators
Density (20°C)	1.033g/cm	Vapor pressure	2×133Pa
Viscosity (24°C)	100mPa.s	38°C	79°C
		Flash point (closed cup)	

#### 3. Application Overview

	<p>A-33 is used in various types of polyurethane foam and microporous elastomers. In soft block formulations, A-33 catalyst is used in combination with A-1 catalyst</p> <p>The best performance is obtained by using a catalyst (70% bis(dimethylaminoethyl) ether with 30% monodipropylene glycol).</p>
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#### 4. Operating disposal and storage

Operational disposition:

Rinse thoroughly after treatment.

Clean the floor and the container interface after transferring the material.

Vapors and/or product residues are left in the empty container. May cause a hazard, keep the container sealed. And avoid heating and sparks.

Do not come into contact with skin and eyes, swallowing and inhalation into the respiratory tract are prohibited.

The operation site should be well ventilated.

Barrels or empty drums holding materials should not be pressurized, cut, welded, drilled, or polished, or do not heat or ignite empty drums.

Storage:

Store in a cool, dry and ventilated environment.

Seal the drum when not in use.

Do not mix and stack with materials of opposite nature.

### Overview:

Product name: Dabco BL-13

Alias: Dabco BL-13, Niax catalyst A-133, Niax A-133, Jeffcat ZF-24, Foaming catalyst Dabco BL-13, Polyurethane foaming catalyst Niax A-133, Foaming amine catalyst, Powerful foaming catalyst

Product Description: Niax A-133, an easy-to-measure standard polyurethane foaming catalyst  
Synopsis:

Niax Catalyst A-133 is a low concentration of bis(2-dimethylaminoethyl) ether, one of the most active amine catalysts known for polyurethane foams. For convenience, Niax Catalyst A-133 is diluted with pure amine ether BDMAEE with dipropylene glycol for ease of dosing and to allow the use of conventional amounts in foam formulations.



Niax catalyst A-133 can be used extensively with gel catalysts Niax A-33 or stannous octanoate to control the rise time of the foam without affecting the operating range of the tin.

Typical physical properties:

Appearance colorless to light yellow transparent liquid

Specific gravity 0.98

Viscosity@20°C mPa.s 58

Freezing point °C <-50

Vapor pressure mmHg 0.0125

Solubility - completely soluble in water at 20°C

Solubility -20°C benzene dissolves completely

Refractive index 25°C 1.43

Flash point (closed cup) °C >90

### Features

1. Powerful foaming catalyst
2. Low concentration, easy to measure
3. Better compatibility with gel catalysts
4. Compatible with polyols

### Recommendation:

Niax catalyst A-133 is recommended to be used in the soft sponge area at 0.15-0.6 pphp and in conjunction with other gel-type catalysts such as Niax A-133 and stannous octanoate to achieve a balance between foaming and gelation reactions.



### Package

Packed in clean, dry, sealed and leak-free special plastic drums with a net weight of 20kg/25kg/180kg per drum.

### Storage and transportation

When transporting Catalyst, it should be strictly protected from rain and staining, carefully and gently stored to prevent leakage from collision with hard objects. When storing Catalyst, it should be stored at room temperature in a ventilated and dry warehouse, avoiding humid environment, and the storage temperature should be kept below 25°C, avoiding sunlight as much as possible, and away from water and heat sources. To prevent moisture absorption and oxidation, it is recommended to fill the container with nitrogen.

### Shelf life

Under proper storage conditions, the shelf life is 6 months from the date of manufacture, after which the product can be used after retesting.

### Safety Information

Catalyst is somewhat toxic and should be rinsed with soapy water promptly after contact with skin. Staff can wear eye protection or safety glasses for the purpose of eye protection. Eye wash and drenching equipment should be provided near the workplace. When working in places where contact with the product is possible, attention should be paid to personal hygiene and the skin in contact with the product should be washed with washing products before eating, smoking and leaving the workplace.

### Leak handling

Stop spills as much as possible while ensuring safety. If a minor spill is found, treat it with sand or other absorbent material and place it in a clean, dry container for subsequent disposal. If a large spill occurs, the spilled material should be collected for subsequent disposal. Avoid entering groundwater or surface water as the material is not readily biodegradable. All collected spilled material should be disposed of in accordance with local environmental regulations.

### Disclaimers

The information and technical advice provided above has been obtained from our reliable sources, however, we make no express or implied warranties with respect to the data provided and make no promises herein. If our products are to be used, we recommend that they undergo a series of tests. The application, use, processing or production of products based on the technical information provided by us is beyond our control and therefore these responsibilities are the responsibility of the user. The condition and method of handling, storage, use or disposal of this product is beyond our control and may be beyond our knowledge, and in no event will we be liable for loss, damage or costs associated with the improper handling, storage, use or disposal of this chemical. For more information, please

review the technical safety sheets for our products or contact our marketing services department.

### **Uses:**

Promotes the reaction of hydroxyl functional groups with NCO

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### **Shelf life.**

Keep unopened,two years

### **Storage and transportation:**

Should be kept sealed and stored in a dry, cool and ventilated warehouse

### **Packaging:**

200KG/drum Storage: It is recommended to store in dry and cool area with proper ventilation. Please fasten the lid as soon as possible after the original packaging to prevent the mixing of other substances such as water and other substances from affecting the product performance. Do not inhale dust and avoid skin and mucous membrane contact. Smoking, eating and drinking are prohibited in the workplace. After work, shower and change clothes. Store contaminated clothes separately and wash them before use. Maintain good hygiene habits.

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