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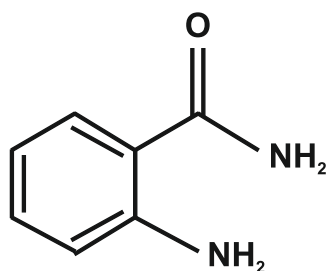
# ANTHRANILAMIDE

***- Anthranilamide Is Used As An Acetaldehyde Scavenging Agent In Polyethylene Terephthalate (PET) Blends.***



# ANTHRANILAMIDE

## • STRUCTURE



## • PRODUCT NAME & DETAILS

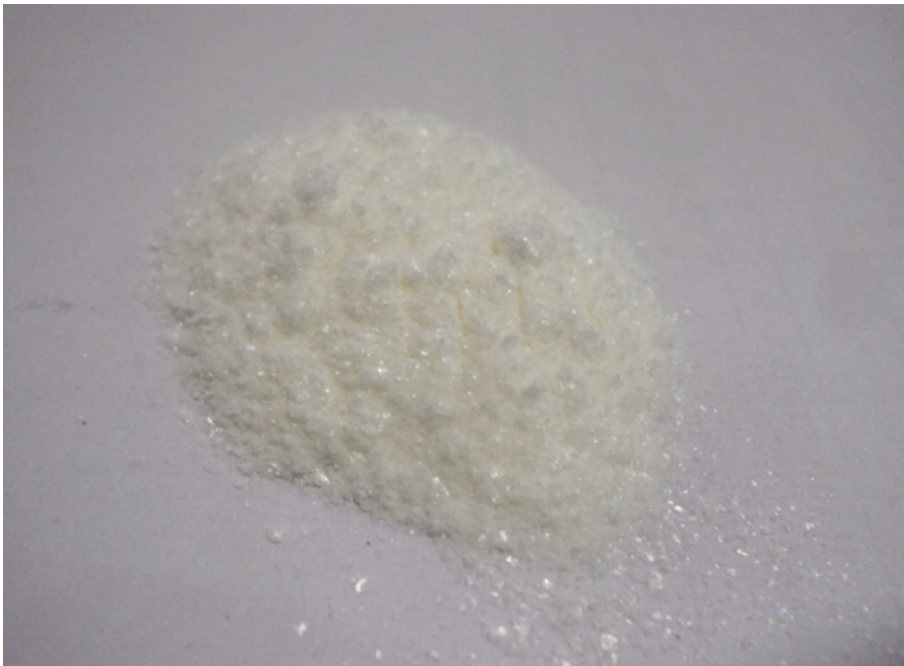
### Anthranilamide

Product Code	: 002776
CAS No.	: 88-68-6
HS Code	: 2924.29.90
IUPAC Name	: 2-Aminobenzamide
Molecular formula	: C <sub>7</sub> H <sub>8</sub> N <sub>2</sub> O
Molecular weight	: 136.15

## • SPECIFICATION

Physical Appearance	: Off White to Pink Powder
Melting Point	: 110-114°C
Moisture Content (KF) by Karl Fisher	: NMT 0.5%
Solubility (2.5% Wt/V in methanol)	: Clear Solution
T.L.C. Medium Ethylacetate	: Single Spot
Assay (By Titration Non Aqueous)	: NLT 98%
Potentiometry Titration	

## • PHOTOGRAPH OF THE PRODUCT



## • APPLICATION

### 1. Acetaldehyde Scavenger in PET:

- Anthranilamide is used as acetaldehyde scavenging agent in Polyethylene terephthalate (PET) blends.
- PET Blends containing various concentration of Anthranilamide exhibit higher acetaldehyde scavenger ability, thereby reduction in detectable acetaldehyde content.
- As little as 100 PPM, by weight of Anthranilamide shown to reduce residual acetaldehyde detected in PET by 46%.
- Addition of optimum scavenger (Anthranilamide) concentration had minimal effects on perform intrinsic viscosity and color changes.
- Anthranilamide is present in the finished container at levels not to exceeds 500 mg/kg (PPM) in PET bottles used to hold water and at levels not to exceed 250 mg/kg (PPM) in PET bottles used for non-water, aqueous, acidic and low-alcohol food applications.

### 2. Intermediate of Dyes, Pharmaceuticals, Agrochemicals:

- It can be used as an intermediate for dyes, pharmaceuticals, agricultural chemicals, perfumes, pigments, flavors and organo luminophores.

### 3. Resins:

- It can be used in the manufacture of anthranilate esters and ion exchange resins.
- It can be used as a lacquer additive for food containers.
- It can be used as a modifier to improve drying of alkyd resins.

### 4. Antioxidants:

- It can also be used as an antioxidant for greases, lube oils and unsaturated rubbers.

### 5. For Biological Research:

- Fluorescently labels glycans containing a free reducing terminus.
- Used for non-selective, efficient fluorescent labeling of glycans.
- The used fluorescent chromophore 2-aminobenzamide (2-AB) is widely used as marker in various areas of biological research.
- Slightly less sensitive than anthranilic acid (2-AA) for glycan labeling.
- The fluorescent anthranilamide label helps to detect glycans during purification.
- For labeling of free glycans with 2-aminobenzamide acid.

## • FOOD APPROVAL STATUS

- Anthranilamide delivers to the polymer market, known as 2-aminobenzamide, with CAS No. 88-68-6 is suitable for use in PET for water and beverages in the EU.
- According to EU regulation 10/2011 (amended by EU 2019/37 & 2020/1245), the above mentioned product with PM/Ref. No. 348.95 is authorized for use in PET (water and beverages) when the SML of 0.05 mg/kg is respected.

## • HAZARD CLASSIFICATION

Anthranilamide is non-hazardous substance.



Corrosive



Irritant

## • CAPACITY

10 MT Per Month.

## • STORAGE CONDITION

Store in closed container at ambient temperature. Avoid direct sunlight.

## • PACKING DEATILS

STD Pack Size : 25 kg Net Wt. Corrugated Boxes

One Pallet Size : 18 Drums x 25 kg Corrugated Boxes = 450 kg

Total Quantity in 20' container : 10 Pallets x 450 Kg = 4500 kg

Total Quantity in 40' container : 20 Pallets x 450 Kg = 9000 kg

## • SHELF LIFE

3 Years.

### Disclaimer:

*Typical properties should not be considered as specification.*

*Product covered by valid patents are not offered or supplied for commercial use. The Patent position should be verified by the customer.*

*Products will not be supplied to countries where they could be in conflict with existing patents.*

*Products currently covered by valid US patents are offered for R&D use in accordance with 35 USC 271 (e) (I)*

*Above information is given in good faith and without warrenty.*

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