

**SAFETY DATA SHEET**

Create Date: 2020-11-16

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**SECTION 1: COMPANY AND PRODUCT INFORMATION**

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**1.1 Product identifiers**

Product name : 4-Aminobenzoic acid  
Cat. Number : ZXB-01-127  
CAS number : 150-13-0  
Synonyms : p-aminobenzoic acid  
para-aminobenzoic acid  
PABA

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : Laboratory chemicals, manufacture of substances

**1.3 Details of the supplier of the safety data sheet**

Address : Hinter den Gärten 56  
89173 Lonsee  
Deutschland  
Email : info@zellx.de  
Phone : +49(0)731 55211521  
Fax : +49(0)731 55211719

**1.4 Emergency telephone number**

Emergency phone : +49(0)731 55211521

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**SECTION 2: HAZARDS IDENTIFICATION**

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**2.1 Classification of substance or mixture**

Flammable Liquid 4  
Acute Toxicity Oral 3  
Acute Toxicity Dermal 2  
Acute Toxicity Inhalation 2  
Serious Eye Damage/Irritant 1  
Skin Irritant 2  
Skin Sensitizer 1  
Aquatic Hazard (acute) 1

**2.2 GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Flammable liquids(Category 4), H227.  
 Acute toxicity, Oral(Category 3), H301.  
 Acute toxicity, Inhalation(Category 3), H331.  
 Acute toxicity, Dermal(Category 2), H310.  
 Skin irritation(Category 2), H315.  
 Serious eye damage(Category 1), H318.  
 Skin sensitization(Category 1), H317.  
 Specific target organ toxicity-repeated exposure, Oral(Category 2), Liver, Heart, H373.  
 Acute aquatic toxicity(Category 1), H400.  
 Chronic aquatic toxicity(Category 1), H410.

### 2.3 Label elements and precautionary statements

Pictogram : 

Signal word : Danger

Hazard statement(s) : HARMFUL IF SWALLOWED  
 Causes skin irritation  
 Causes serious eye irritation.  
 May cause respiratory irritation

Precautionary statement(s) : Wash face, hands and any exposed skin thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 Avoid breathing dust/fume/gas/mist/vapors/spray.  
 Use only outdoors or in a well-ventilated area.

### 2.4 Hazards not otherwise classified (HNOC) or not covered by GHS

Not available

### 2.5 NFPA Rating

Health hazard : 3  
 Fire hazard : 2  
 Reactivity hazard : 0

### 2.6 HMIS Rating

Health hazard : 4  
 Chronic health hazard : Not available  
 Reactivity hazard : Not available  
 Flammability : 2  
 Physical hazard : 0

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Substance	CAS#	EC#	Concentration
4-Aminobenzoic acid M.F: C <sub>7</sub> H <sub>7</sub> NO <sub>2</sub> M.W: 137.14 g/mol	150-13-0	205-753-0	<=100%

### 3.2 Hazardous components & classification

Skin Irrit. 2; Eye Irrit. 2A; Skin Sens. 1; STOT SE 3; H315, H317, H319, H335.

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## SECTION 4: FIRST AID MEASURES

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### 4.1 Description of first aid measures

#### In case of inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

#### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

#### In case of ingestion

Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

Not available

### 4.3 Indication of any immediate medical attention and special treatment needed

Not available

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## SECTION 5: FIREFIGHTING MEASURES

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### 5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 Unsuitable extinguishing media

Not available

### 5.3 Special hazards arising from the substance

Carbon oxides, Nitrogen oxides (NO<sub>x</sub>)

### 5.4 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

**For personal protection see section 8**

### 6.2 Environmental precautions

Do not let product enter drains.

### 6.3 Methods and material for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**For proper disposal see section 13**

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## SECTION 7: HANDLING AND STORAGE

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### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition -No smoking. Take measures to prevent the build up of electrostatic charge.

**For precautions see section 2**

## 7.2 Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage

Incompatible materials : Metals, Oxidizing agents

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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### 8.1 Control parameters

Contains no substances with occupational exposure limit values

### 8.2 Engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

### 8.3 Personal protective equipment

Eye/face protection : Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)

Skin protection : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands

Body protection : Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection : Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

Control of environmental exposure : Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

General hygiene considerations : General industrial hygiene practice.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1 Information on basic physical and chemical properties

a)	Appearance	: Form : tablet Colour : white
b)	Physical states	: Solid
c)	Odor	: Not available
d)	Odor threshold	: Not available
e)	Melting point	: Melting point/range :118-121°C (244-250°F)-lit
f)	Boiling point range	: 120 -121°C
g)	pH	: Not available
h)	Density	: Not available
i)	Flash point	: Not available
j)	Evaporation rate	: Not available
k)	Flammability	: Not available
l)	Upper/lower flammability or explosive limits:	: Not available
m)	Vapor pressure	: Not available
n)	Vapor density	: Not available
o)	Relative density	: Not available
p)	Water solubility	: Not available
q)	Partition coefficient:n-octanol/water	: Not available
r)	Autoignition temperature	: Not available
s)	Decomposition temperature	: Not available
t)	Kinematic viscosity	: Not available
u)	Explosive properties	: Not available
v)	Oxidizing properties	: Not available
w)	Solubility in other solvents	: Not available
x)	Surface tension	: Not available

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## SECTION 10: STABILITY AND REACTIVITY

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### 10.1 Reactivity

Not available

### 10.2 Chemical stability

Stable under recommended storage conditions

### 10.3 Stability note(s)

Not available

### 10.4 Polymerization

Not available

### 10.5 Possibility of hazardous reactions

Not available

### 10.6 Incompatible materials

Strong oxidizing agents

### 10.7 Hazardous decomposition products

Not available

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## SECTION 11: TOXICOLOGICAL INFORMATION

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### 11.1 Acute toxicity

LD50 Oral : Not available

LD50 Dermal : Not available

LC50 Inhalation : Not available

### 11.2 Skin corrosion/irritation

Not available

### 11.3 Serious eye damage/eye irritation

Not available

### 11.4 Respiratory or skin sensitization

Not available

### 11.5 Germ cell mutagenicity

Not available

### 11.6 Carcinogenicity

IARC : 3 - Group 3: Not classifiable as to its carcinogenicity to humans (4-Aminobenzoic acid)

ACGIH : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### 11.7 Reproductive toxicity

Not available

### 11.8 Specific target organ toxicity – single exposure

Not available

### 11.9 Specific target organ toxicity – repeated exposure

Not available

### 11.10 Aspiration hazard

Not available

### 11.11 Additional Information

Not available

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## SECTION 12: ECOLOGICAL INFORMATION

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### 12.1 Toxicity

Not available

#### **12.2 Aquatic toxicity**

Not available

#### **12.3 Persistence and degradability**

Not available

#### **12.4 Bioaccumulative potential**

Not available

#### **12.5 Mobility in soil**

Not available

#### **12.6 Results of PBT and vPvB assessment**

Not available

#### **12.7 Other adverse effect**

Not available

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### **SECTION 13: DISPOSAL CONSIDERATIONS**

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#### **13.1 Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

#### **13.2 Packaging**

Dispose of as unused product.

#### **13.3 Recommendation**

Not available

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### **SECTION 14: TRANSPORTATION INFORMATION**

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#### **14.1 DOT (US)**

Not dangerous goods

#### **14.2 IMDG**

Not dangerous goods

#### **14.3 IATA**

Not dangerous goods

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### **SECTION 15: REGULATORY INFORMATION**

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#### **15.1 SARA**

SARA 302 Components:

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards:

Acute Health Hazard

#### **15.2 Clean water act (CWA)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### 15.3 Right to know components

- Massachusetts : No components are subject to the Massachusetts Right to Know Act
- Pennsylvania : 4-Aminobenzoic acid;CAS-No. 150-13-0; Revision Date
- New Jersey : 4-Aminobenzoic acid;CAS-No. 150-13-0; Revision Date
- California proposition : This product does not contain any chemicals known to State of California to cause  
65 components cancer, birth defects, or any other reproductive harm.

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## SECTION 16: OTHER INFORMATION

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### 16.1 Disclaimer

This product is offered by zellx-biochem.com for research, laboratory or further manufacturing use. Not for human use or consumption. The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant-ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall zellx-biochem.com be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if zellx-biochem.com has been advised of the possibility of such damages.

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### 16.2 Preparation Information

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