



Material Safety Data Sheet

Anthranilic acid, certified, crystalline powder  
MSDS# 90032

Section 1 - Chemical Product and Company Identification

MSDS Name:

Anthranilic acid, certified, crystalline powder

Catalog Numbers:

A/7680/48

Synonyms:

2-Aminobenzoic acid; o-Aminobenzoic acid; 1-Amino-2-carboxybenzene;

2-Carboxyaniline; o-Anthranilic acid; o-Carboxyaniline; Vitamin L.

Section 2 - Composition, Information on Ingredients

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CAS#: 118-92-3  
Chemical Name: Anthranilic acid  
%: 100  
EINECS#: 204-287-5  
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Hazard Symbols:

XI

Risk Phrases:

36 37

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Irritating to eyes. Irritating to respiratory system. Light sensitive.

Potential Health Effects

Eye:

Causes eye irritation. May cause chemical conjunctivitis.

Skin:

Causes skin irritation.

Ingestion:

May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Inhalation:

Causes respiratory tract irritation. May cause effects similar to

those described for ingestion. Can produce delayed pulmonary edema.

Chronic:

Effects may be delayed.

#### Section 4 - First Aid Measures

Eyes:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid.

Skin:

In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.

Ingestion:

If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

Treat symptomatically and supportively.

#### Section 5 - Fire Fighting Measures

General Information:

As in any fire, wear a self-contained breathing apparatus in full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.

Extinguishing Media:

Use water spray, dry chemical, carbon dioxide, or appropriate foam.

#### Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

#### Section 7 - Handling and Storage

Handling:

Wash thoroughly after handling. Remove contaminated clothing and

wash before reuse. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from light.

Section 8 - Exposure Controls, Personal Protection  
Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

CAS# 118-92-3:

Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State: Crystalline powder  
Color: white to yellow  
Odor: None reported.  
pH: Not available  
Vapor Pressure: Not available  
Viscosity: Not available  
Boiling Point: Sublimes.  
Freezing/Melting Point: 144 - 148 deg C  
Autoignition Temperature: > 530 deg C (> 986.00 deg F)  
Flash Point: 150 deg C ( 302.00 deg F)  
Explosion Limits: Lower:Not available  
Explosion Limits: Upper:Not available  
Decomposition Temperature: Not available  
Solubility in water: Soluble in hot water

Specific Gravity/Density: 1.41 g/cm3  
Molecular Formula: C7H7NO2  
Molecular Weight: 137.14

Section 10 - Stability and Reactivity

Chemical Stability:  
Stable at room temperature in closed containers under normal storage

and handling conditions. Decomposes on exposure to light.

Conditions to Avoid:

Light, excess heat.

Incompatibilities with Other Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Nitrogen oxides, carbon monoxide, carbon dioxide.

Hazardous Polymerization

Has not been reported.

Section 11 - Toxicological Information

RTECS#:

CAS# 118-92-3: CB2450000

LD50/LC50:

CAS# 118-92-3: Oral, mouse: LD50 = 1400 mg/kg; Oral, rat: LD50 = 5410 mg/kg;.

Carcinogenicity:

Anthranilic acid -

IARC: Group 3 (not classifiable)

Other:

See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Not available

Section 13 - Disposal Considerations

Products considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location.

Contact a specialist disposal company or the local authority or advice. Empty containers must be decontaminated before returning for recycling.

Section 14 - Transport Information

IATA

Shipping Name: Not regulated.

Hazard Class:

UN Number:

Packing Group:

IMO

Shipping Name: Not regulated.

Hazard Class:

UN Number:

Packing Group:

RID/ADR

Shipping Name: Not regulated.

Hazard Class:

UN Number:

Packing Group:

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XI

Risk Phrases:

R 36 Irritating to eyes.  
R 37 Irritating to respiratory system.

Safety Phrases:  
S 26 In case of contact with eyes, rinse  
immediately with plenty of water and seek medical advice.  
S 39 Wear eye/face protection.

WGK (Water Danger/Protection)  
CAS# 118-92-3: 1

Canada  
CAS# 118-92-3 is listed on Canada's DSL List  
US Federal  
TSCA

CAS# 118-92-3 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date:

12/12/1997

Revision #5 Date

10/03/2005

The information above is believed to be accurate and represents  
the best information currently available to us. However, we make no  
warranty of merchantability 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 the company 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 the company has been advised of the  
possibility of such damages.

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