

MSDS for 3-Aminobenzotrifluoride



Material Safety Data Sheet
3-Aminobenzotrifluoride

Section 1 - Chemical Product and Company Identification

MSDS Name: 3-Aminobenzotrifluoride
Catalog Numbers: 10319-0000, 10319-0025, 10319-0050, 10319-1000, 10319-5000
Synonyms: 3-(Trifluoromethyl)aniline
Company Identification: Acros Organics BVBA
Janssen Pharmaceuticaaan 3a
2440 Geel, Belgium
Company Identification: (USA) Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410
For information in the US, call: 800-ACROS-01
For information in Europe, call: +32 14 57 52 11
Emergency Number, Europe: +32 14 57 52 99
Emergency Number US: 201-796-7100
CHEMTREC Phone Number, US: 800-424-9300
CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
98-16-8	3-Aminobenzotrifluoride	99+%	202-643-4

Hazard Symbols: T



Risk Phrases: 21/22 23 33 36/37/38

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Harmful in contact with skin and if swallowed. Toxic by inhalation. Danger of cumulative effects. Irritating to eyes, respiratory system and skin.

Potential Health Effects

Eye: Causes eye irritation.
Skin: Causes skin irritation. Harmful if absorbed through the skin.
Ingestion: Harmful if swallowed. May cause irritation of the digestive tract. May cause cyanosis (bluish discoloration of skin due to deficient oxygenation of the blood). May cause burning sensations, coughing, wheezing, laryngitis, shortness of breath and headache.
Inhalation: May cause cyanosis (bluish discoloration of skin due to deficient oxygenation of the blood). Causes respiratory tract irritation. Toxic if inhaled. May cause burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting.
Chronic: Prolonged exposure may produce a narcotic effect. Prolonged or repeated exposure may cause nausea, dizziness, and headache. There is a danger of

cumulative effects.

Section 4 - First Aid Measures

- Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
- Skin:** Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
- Ingestion:** Get medical aid. Wash mouth out with water.
- Inhalation:** Remove from exposure and move to fresh air immediately. 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 pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Will burn if involved in a fire. Combustible liquid.
- Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - Accidental Release Measures

- General Information:** Use proper personal protective equipment as indicated in Section 8.
- Spills/Leaks:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

Section 7 - Handling and Storage

- Handling:** Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Use only in a chemical fume hood.
- Storage:** Keep away from sources of ignition. Store in a cool, dry place. Do not store in direct sunlight. Store in a tightly closed container. Material darkens in color on storage.

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# 98-16-8:

United States OSHA: 2.5 mg/m³ TWA (as F) (Fluorides).

Russia: 0.5 mg/m³ TWA (vapour)

Personal Protective Equipment

- Eyes:** Wear chemical splash goggles.
- Skin:** Wear appropriate protective gloves to prevent skin exposure.
- Clothing:** Wear appropriate protective clothing to prevent skin exposure.
- Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Clear liquid

Color: light yellow

Odor: stench

pH: 2.7 (5 g/l aq.sol.)
Vapor Pressure: 26.7mbar @85 deg C
Viscosity: Not available
Boiling Point: 187 - 193 deg C @760mmHg
Freezing/Melting Point: 5 - 6 deg C
Autoignition Temperature: > 600 deg C (> 1,112.00 deg F)
Flash Point: 85 deg C (185.00 deg F)
Explosion Limits: Lower: Not available
Explosion Limits: Upper: Not available
Decomposition Temperature: Not available
Solubility in water: 5 g/l (20°C)
Specific Gravity/Density: 1.303
Molecular Formula: C7H6F3N
Molecular Weight: 161.13

Section 10 - Stability and Reactivity

Chemical Stability: Light sensitive.
Conditions to Avoid: Incompatible materials, light.
Incompatibilities with Other Materials Strong oxidizing agents, acids.
Hazardous Decomposition Products Nitrogen oxides, carbon monoxide, carbon dioxide, hydrogen fluoride gas.
Hazardous Polymerization Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS# 98-16-8: XU9180000
LD50/LC50: RTECS:
CAS# 98-16-8: Draize test, rabbit, eye: 100 uL Moderate;
 Inhalation, mouse: LC50 = 690 mg/m³/2H;
 Inhalation, rat: LC50 = 440 mg/m³/4H;
 Oral, mouse: LD50 = 220 mg/kg;
 Oral, rabbit: LD50 = 615 mg/kg;
 Oral, rat: LD50 = 480 mg/kg;
 Skin, rabbit: LD50 = 1330 mg/kg;
 .
 Other:
Carcinogenicity: 3-Aminobenzotrifluoride - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other: See actual entry in RTECS for complete information. The toxicological properties have not been fully investigated.

Section 12 - Ecological Information

Ecotoxicity: Daphnia: Daphnia: EC50: 6.6 mg/l; 48 h; .
Other: Avoid entering into waters or underground water. Do not empty into drains.
 log POW = 2.39 Biodegradation: 74% (28d - OESO 302 B)

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	3-TRIFLUOROMETHYLANILINE	3-TRIFLUOROMETHYLANILINE	3-TRIFLUOROMETHYLANILINE
Hazard Class:	6.1	6.1	6.1
UN Number:	2948	2948	2948
Packing	II	II	II

Group:

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: T

Risk Phrases:

R 21/22 Harmful in contact with skin and if swallowed.

R 23 Toxic by inhalation.

R 33 Danger of cumulative effects.

R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 28A After contact with skin, wash immediately with plenty of water.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 98-16-8: 2

Canada

CAS# 98-16-8 is listed on Canada's NDSL List

US Federal

TSCA

CAS# 98-16-8 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 7/16/1996

Revision #4 Date 7/13/2005

Revisions were made in Sections: General revision.

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damages.
