



Material Safety Data Sheet
Antimony Tribromide, 99%

MSDS# 99123

Section 1 - Chemical Product and Company Identification

MSDS Name: Antimony Tribromide, 99%
Catalog Numbers: AC318400000, AC318400250, AC318400500, AC318401000
Synonyms:

Company Identification: Acros Organics BVBA
Janssen Pharmaceuticaaan 3a
2440 Geel, Belgium
Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410
Company Identification: (USA)
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#: 7789-61-9
Chemical Name: AntimonyTribromide
%: 99%
EINECS#: 232-179-8

Hazard Symbols: XN



Risk Phrases: 20/22

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Warning! Light sensitive. Heat sensitive. May cause respiratory and digestive tract irritation and possible burns. May cause eye and skin irritation with possible burns. Target Organs: None known.

Potential Health Effects

Eye: May cause eye irritation and possible burns.
Skin: May cause severe skin irritation with possible burns, especially if skin is wet or moist.
Ingestion: May cause irritation of the digestive tract and possible burns.
Inhalation: May cause severe irritation of the respiratory tract with possible burns.
Chronic:

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 immediately.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

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:

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.

Extinguishing Media: Use carbon dioxide or dry chemical. DO NOT USE WATER!

Autoignition: Not available

Temperature: Not available

Flash Point: Not available

Explosion Limits: Not available

Lower: Not available

Explosion Limits: Not available

Upper: Not available

NFPA Rating: Not published

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Do not expose spill to water. Do not get water inside containers.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Use only in a well-ventilated area. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Do not allow contact with water.

Storage: Store in a cool, dry place. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
AntimonyTribromide	0.5 mg/m3 TWA (listed under Antimony).	0.5 mg/m3 TWA (listed under Antimony).0.5 mg/m3 TWA (as Sb) (listed under Antimony compounds).50 mg/m3 IDLH (listed under Antimony).50 mg/m3 IDLH (as Sb) (listed under Antimony compounds).	0.5 mg/m3 TWA (listed under Antimony).0.5 mg/m3 TWA (as Sb) (listed under Antimony compounds).

OSHA Vacated PELs: AntimonyTribromide: 0.5 mg/m3 TWA (listed under Antimony)0.5 mg/m3 TWA (as Sb) (listed under Antimony compounds)

Engineering Controls:
Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

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: 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: Crystals

Color: colorless

Odor: Not available

pH: Not available

Vapor Pressure: Not available

Vapor Density: Not available

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: 280 deg C (536.00°F)

Freezing/Melting Point: 97 deg C (206.60°F)

Decomposition Temperature: Not available

Solubility in water: Rx. w/H₂O liberates HBr&Antimonytrioxide

Specific Gravity/Density: 4.145

Molecular Formula: Br₃Sb

Molecular Weight: 361.48

Section 10 - Stability and Reactivity

Chemical Stability: Decomposes when heated. May decompose when exposed to light.
Conditions to Avoid: Light, excess heat, exposure to moist air or water.
Incompatibilities with Other Materials: Water, potassium, sodium.
Hazardous Decomposition Products: Hydrogen bromide.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS# 7789-61-9: CC4400000
LD50/LC50: RTECS: Not available.
Carcinogenicity: AntimonyTribromide - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other: See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Not available

Section 13 - Disposal Considerations

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

Section 14 - Transport Information

US DOT

Shipping Name: ANTIMONY COMPOUNDS, INORGANIC, SOLID, N.O.S.

Hazard Class: 6.1

UN Number: UN1549

Packing Group: III

Canada TDG

Shipping Name: Not available

Hazard Class:

UN Number:

Packing Group:

USA RQ: CAS# 7789-61-9: 1000 lb final RQ; 454 kg final RQ

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 20/22 Harmful by inhalation and if swallowed.

Safety Phrases:

S 22 Do not breathe dust.

WGK (Water Danger/Protection)

CAS# 7789-61-9: Not available

Canada

CAS# 7789-61-9 is listed on Canada's NDSL List

Canadian WHMIS Classifications: Not available

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 7789-61-9 is not listed on Canada's Ingredient Disclosure List.

US Federal

TSCA

CAS# 7789-61-9 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 12/30/1997

Revision #5 Date 7/20/2009

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.
