

**SAFETY DATA SHEET - ANTIMONY  
(REVISED JUNE 11, 2015)**



**SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION**

**1.1 Product Identifiers**

Product name Antimony  
CAS-Number 7440-36-0

**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**

Company Aaron Ferer & Sons Co.  
155 Ida Street  
Omaha, Nebraska 68110

Telephone Number (402) 342-2436  
Fax Number (402) 342-6391  
Email address [afsco@ferer.com](mailto:afsco@ferer.com)

**1.4 Emergency telephone number**

In case of spill, leak, fire, exposure or accident involving chemicals, contact CHEMTREC at telephone number 800-424-9300 - or - 703-527-3887 (non-emergency telephone number 281-441-4400)

**SECTION 2 : HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture

**2.2 GHS Label elements, including precautionary statements**

Not a hazardous substance or mixture

**2.3 Hazards not other classified (HNOC) or not covered by GHS - none**

**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substances**

Formula Sb  
Molecular weight 121.76 g/mol  
CAS-Number 7440-36-0

No ingredients are hazardous according to OSHA criteria.  
No components need to be disclosed according to the applicable regulations

**SECTION 4 : FIRST AID MEASURES**

**4.1 Description of first aid measures**

**General advice**

Move out of dangerous area.

**If inhaled**

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

**In case of skin contact**

Wash off with soap and plenty of water.

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

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

The most important known symptoms and effects are described in the labeling (see Section 2.2) and/or in Section 11.

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

No data available.

**SECTION 5 : FIREFIGHTING MEASURES****5.1 Extinguishing media****Suitable extinguishing media**

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

**5.2 Special hazards arising from the substance or mixture**

Antimony oxide.

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**5.4 Further information**

No data available.

**SECTION 6 : ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Avoid breathing vapors, mist, or gas. For personal protection, see Section 8.

**6.2 Environmental precautions**

No special environmental precautions required.

**6.3 Methods and materials for containment and cleaning up**

Sweep up and shovel. Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

For disposal, see Section 13.

**SECTION 7 : HANDLING AND STORAGE****7.1 Precautions for safe handling**

Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide

appropriate exhaust ventilation at places where dust is formed. For precautions, see Section 2.2.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place.

### 7.3 Specific end use(s)

Apart from the uses mentioned in Section 1.2, no other specific uses are stipulated.

## SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values

### 8.2 Exposure controls

#### Appropriate engineering controls

General industrial hygiene practice.

#### Personal protective equipment

##### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166 (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.

##### Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Size M)

##### Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Size M)

Data source: KCL GmbH, D-36124 Eichenzel, phone +49 (0) 6659 87300, email: sales@kcl.de

Test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

##### Body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type

N95 (US) or type P1 (EN143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Control of environmental exposure**

No special environmental precautions required.

### **SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

#### **9.1 Information on basic physical and chemical properties**

a) Appearance (Form)	Solid
b) Odor	No data available
c) Odor Threshold	No data available
d) pH	No data available
e) Melting/Freezing point	Melting point/range: 630.74 °C (1,167.33 °F)
f) Initial boiling point/boiling range	No data available
g) Flash point	Not applicable
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability/explosive limits	No data available
k) Vapor pressure	No data available
l) Vapor density	No data available
m) Relative density	6.690 g/cm <sup>3</sup>
n) Water solubility	No data available
o) Partition coefficient: n-octano/water	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

#### **9.2 Other safety information**

No data available

### **SECTION 10 : STABILITY AND REACTIVITY**

#### **10.1 Reactivity**

No data available

#### **10.2 Chemical stability**

Stable under recommended storage conditions

#### **10.3 Possibility of hazardous reactions**

No data available

#### **10.4 Conditions to avoid**

No data available

#### **10.5 Incompatible materials**

Oxidizing agents, acids, highly toxic fumes

#### **10.6 Hazardous decomposition products**

Other decomposition products - No data available

In the event of fire: see Section 5

### **SECTION 11 : TOXICOLOGICAL INFORMATION**

#### **11.1 Information on toxicological effects**

**Acute toxicity**

Inhalation	No data available
Dermal	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available

**Carcinogenicity**

Carcinogenicity - Rat - Inhalation

Tumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration: Tumors.

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogenic by IARC.
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.

Reproductive toxicity	No data available
Specific target organ toxicity (single exposure)	No data available
Specific target organ toxicity (repeated exposure)	No data available
Aspiration hazard	No data available

**Additional information**

RTECS: CC4025000

Nausea, Vomiting, Headache, Dizziness

Stomach - Irregularities - Based on Human Evidence

<b>SECTION 12 : ECOLOGICAL INFORMATION</b>
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**12.1 Toxicity**

Toxicity to fish	mortality NOEC - <i>Cyprinodon variegatus</i> (sheepshead minnow) - 6.2 mg/l - 96.0 h LC50 - <i>Cyprinodon variegatus</i> (sheepshead minnow) - 6.2 - 8.3 mg/l - 96.0 h
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<b>12.2 Persistence and degradability</b>	No data available
<b>12.3 Bioaccumulative potential</b>	No data available
<b>12.4 Mobility in soil</b>	No data available

**12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**12.6 Other adverse effects**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.

<b>SECTION 13 : DISPOSAL CONSIDERATIONS</b>
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**13.1 Waste treatment methods**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

**SECTION 14 : TRANSPORT INFORMATION**

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**SECTION 15 : REGULATORY INFORMATION**

**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 (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

Acute Health Hazard, Chronic Health Hazard

**Massachusetts Right To Know Components**

Antimony (CAS Number: 7440-36-0)

**Pennsylvania Right To Know Components**

Antimony (CAS Number: 7440-36-0)

**New Jersey Right To Know Components**

Antimony (CAS Number: 7440-36-0)

**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**SECTION 16 : OTHER INFORMATION**

**HMIS Rating**

Health Hazard	2
Chronic Health Hazard	*
Flammability	0
Physical Hazard	0

**NFPA Rating**

Health Hazard	2
Fire Hazard	0
Reactivity Hazard	0

**Further information**

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## Preparation information

Created by Aaron Ferer & Sons Co. - Product Safety Department  
Created on June 1, 2015  
Last updated June 11, 2015

### GLOSSARY:

**ACGIH:** American Conference of Governmental Industrial Hygienists  
**CAS:** Chemical Abstract Service Number  
**DOT:** U.S. Department of Transportation  
**IARC:** International Agency for Research on Cancer  
**NTP:** National Toxicology Program  
**OSHA:** Occupational Safety and Health Administration  
**SARA:** Superfund Amendments and Reauthorization Act  
**TLV:** Threshold Limit Value

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## END OF SDS