1. PRODUCT AND COMPANY IDENTIFICATION

Product Name  
Potassium antimonyl tartrate sesquihydrate

Cat No.  
AC223800000; AC223800025; AC223800050; AC223801000; AC223805000

Synonyms  
Antimonyl potassium tartrate sesquihydrate

Recommended Use  
Laboratory chemicals

Company  
Fisher Scientific
One Reagent Lane
Fair Lawn, NJ 07410
Tel: (201) 796-7100

Entity / Business Name  
Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410

Emergency Telephone Number  
For information in the US, call: 001-800-ACROS-01
For information in Europe, call: +32 14 57 52 11
Emergency Number, Europe: +32 14 57 52 99
Emergency Number, US: 001-201-796-7100

CHEMTREC Phone Number, US: 001-800-424-9300
CHEMTREC Phone Number, Europe: 001-703-527-3887

2. HAZARDS IDENTIFICATION

WARNING!

Emergency Overview
Harmful by inhalation and if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Appearance  
White

Physical State  
Powder Solid

odor  
odorless

Target Organs  
Liver, Respiratory system, Gastrointestinal tract (GI)

Potential Health Effects

Acute Effects
Principle Routes of Exposure

- **Eyes**: May cause irritation.
- **Skin**: May cause irritation.
- **Inhalation**: Harmful by inhalation.
- **Ingestion**: Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Effects

None known

See Section 11 for additional Toxicological information.

Aggravated Medical Conditions

No information available.

---

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium antimonyl tartarate sesquihydrate</td>
<td>28300-74-5</td>
<td>100</td>
</tr>
</tbody>
</table>

---

### 4. FIRST AID MEASURES

**Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

**Skin Contact**

Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.

**Inhalation**

Move to fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with a respiratory medical device. Immediate medical attention is required.

**Ingestion**

Do not induce vomiting. Call a physician or Poison Control Center immediately.

**Notes to Physician**

Treat symptomatically.

---

### 5. FIRE-FIGHTING MEASURES

**Flash Point**

No information available.

**Method**

No information available.

**Autoignition Temperature**

No information available.

**Explosion Limits**

Upper: No data available
Lower: No data available

**Suitable Extinguishing Media**

Water spray. Carbon dioxide (CO₂). Dry chemical. alcohol-resistant foam.

**Unsuitable Extinguishing Media**

No information available.

**Hazardous Combustion Products**

No information available.

**Sensitivity to mechanical impact**

No information available.
Sensitivity to static discharge
No information available.

Specific Hazards Arising from the Chemical
Keep product and empty container away from heat and sources of ignition

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Environmental Precautions
Should not be released into the environment. Do not flush into surface water or sanitary sewer system.

Methods for Containment and Clean Up
Avoid dust formation. Sweep up or vacuum up spillage and collect in suitable container for disposal. Do not let this chemical enter the environment.

7. HANDLING AND STORAGE

Handling
Wear personal protective equipment. Do not breathe dust. Do not breathe vapors or spray mist. Use only in area provided with appropriate exhaust ventilation. Minimize dust generation and accumulation.

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

NFPA
Health 2  Flammability 1  Instability 0  Physical hazards N/A
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures
Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Exposure Guidelines
This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium antimonyl tartrate</td>
<td>TWA: 0.5 mg/m³</td>
<td>(Vacated) TWA: 0.5 mg/m³</td>
<td>IDLH: 50 mg/m³</td>
</tr>
<tr>
<td>sesquihydrate</td>
<td></td>
<td></td>
<td>TWA: 0.5 mg/m³</td>
</tr>
</tbody>
</table>

NIOSH IDLH: Immediately Dangerous to Life or Health

Personal Protective Equipment

Eye/face Protection
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 and body protection
Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection
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.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Powder Solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White</td>
</tr>
<tr>
<td>odor</td>
<td>odorless</td>
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<tr>
<td>Odor Threshold</td>
<td>No information available.</td>
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<tr>
<td>pH</td>
<td>3-5</td>
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<tr>
<td>Vapor Pressure</td>
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<tr>
<td>Vapor Density</td>
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<tr>
<td>Viscosity</td>
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<td>Boiling Point/Range</td>
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<tr>
<td>Melting Point/Range</td>
<td>100°C / 212°F</td>
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<tr>
<td>Decomposition temperature</td>
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<tr>
<td>Flash Point</td>
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<tr>
<td>Evaporation Rate</td>
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<tr>
<td>Specific Gravity</td>
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<tr>
<td>Solubility</td>
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<td>log Pow</td>
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<tr>
<td>Molecular Weight</td>
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<tr>
<td>Molecular Formula</td>
<td>C₄ H₂ K O₆ Sb . 1.5 H₂ O</td>
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</table>

10. STABILITY AND REACTIVITY

Stability
Stable under normal conditions.

Conditions to Avoid
Incompatible products. Avoid dust formation.
Incompatible Materials  
Acids, Bases, Strong oxidizing agents

Hazardous Decomposition Products  
Carbon monoxide (CO), Carbon dioxide (CO₂), antimony oxide, antimony

Hazardous Polymerization  
Hazardous polymerization does not occur.

Hazardous Reactions  
None under normal processing.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component Information

<table>
<thead>
<tr>
<th>Component Information</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation (Dust)</th>
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</thead>
<tbody>
<tr>
<td>Potassium antimonyl tartarate sesquihydrate</td>
<td>115 mg/kg (Rat)</td>
<td>Not listed</td>
<td>Not listed</td>
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</table>

Irritation  
No information available.

Toxicologically Synergistic Products  
No information available.

Chronic Toxicity

Carcinogenicity  
There are no known carcinogenic chemicals in this product

Sensitization  
No information available.

Mutagenic Effects  
Mutagenic effects have occurred in microorganisms.

Reproductive Effects  
No information available.

Developmental Effects  
No information available.

Teratogenicity  
No information available.

Other Adverse Effects  
The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information.

Endocrine Disruptor Information  
No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity  
Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. Do not empty into drains.

Persistence and Degradability  
No information available
13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. TRANSPORT INFORMATION

DOT

<table>
<thead>
<tr>
<th>UN-No</th>
<th>UN1551</th>
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<tbody>
<tr>
<td>Proper Shipping Name</td>
<td>ANTIMONY POTASSIUM TARTRATE</td>
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<td>Hazard Class</td>
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<td>Packing Group</td>
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TDG

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IATA

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<td>Packing Group</td>
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</table>

IMDG/IMO

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<tbody>
<tr>
<td>Hazard Class</td>
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<tr>
<td>Packing Group</td>
<td>III</td>
</tr>
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15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Component</th>
<th>TSCA</th>
<th>DSL</th>
<th>NDSL</th>
<th>EINECS</th>
<th>ELINCS</th>
<th>NLP</th>
<th>PICCS</th>
<th>ENCS</th>
<th>AICS</th>
<th>CHINA</th>
<th>KECL</th>
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<tbody>
<tr>
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<td>-</td>
<td>X</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>
Legend:
X - Listed
E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.
F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.
N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.
P - Indicates a commenced PMN substance
R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.
S - Indicates a substance that is identified in a proposed or final Significant New Use Rule
T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.
XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B).
Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.
Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b) Not applicable
SARA 313 Not applicable

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>SARA 313 - Threshold Values %</th>
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<tbody>
<tr>
<td>Potassium antimonyl tartarate sesquihydrate</td>
<td>28300-74-5</td>
<td>100</td>
<td>1.0</td>
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</tbody>
</table>

SARA 311/312 Hazardous Categorization
Acute Health Hazard Yes
Chronic Health Hazard No
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard No

Clean Water Act

<table>
<thead>
<tr>
<th>Component</th>
<th>CWA - Hazardous Substances</th>
<th>CWA - Reportable Quantities</th>
<th>CWA - Toxic Pollutants</th>
<th>CWA - Priority Pollutants</th>
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<tbody>
<tr>
<td>Potassium antimonyl tartarate sesquihydrate</td>
<td>X</td>
<td>-</td>
<td>X</td>
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</tbody>
</table>

Clean Air Act
Not applicable

<table>
<thead>
<tr>
<th>Component</th>
<th>HAPS Data</th>
<th>Class 1 Ozone Depleters</th>
<th>Class 2 Ozone Depleters</th>
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</thead>
<tbody>
<tr>
<td>Potassium antimonyl tartarate sesquihydrate</td>
<td>X</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

OSHA
Not applicable

CERCLA
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

<table>
<thead>
<tr>
<th>Component</th>
<th>Hazardous Substances RQs</th>
<th>CERCLA EHS RQs</th>
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</thead>
<tbody>
<tr>
<td>Potassium antimonyl tartarate sesquihydrate</td>
<td>100 lb</td>
<td>-</td>
</tr>
</tbody>
</table>

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California Proposition 65
This product does not contain any Proposition 65 chemicals.

State Right-to-Know

<table>
<thead>
<tr>
<th>Component</th>
<th>Massachusetts</th>
<th>New Jersey</th>
<th>Pennsylvania</th>
<th>Illinois</th>
<th>Rhode Island</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium antimonyl tartrate sesquihydrate</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

U.S. Department of Transportation
Reportable Quantity (RQ): N
DOT Marine Pollutant N
DOT Severe Marine Pollutant N

U.S. Department of Homeland Security
This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade
No information available

Canada
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
D1B  Toxic materials

16. OTHER INFORMATION

Prepared By
Regulatory Affairs
16. OTHER INFORMATION

Thermo Fisher Scientific
Email: EMSDS.RA@thermofisher.com

Creation Date 03-Dec-2010
Print Date 12-Oct-2012
Revision Summary "***", and red text indicates revision

Disclaimer
The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS