SECTION 1: Identification

1.1. Identification
Product form: Mixtures
Product name: Potassium Antimony Tartrate Solution
Product code: LC18720

1.2. Recommended use and restrictions on use
Use of the substance/mixture: For laboratory and manufacturing use only.
Recommended use: Laboratory chemicals
Restrictions on use: Not for food, drug or household use

1.3. Supplier
LabChem Inc
Jackson's Pointe Commerce Park Building 1000, 1010 Jackson's Pointe Court
Zelienople, PA 16063 - USA
T 412-826-5230 - F 724-473-0647
info@labchem.com - www.labchem.com

1.4. Emergency telephone number
Emergency number: CHEMTREC: 1-800-424-9300 or +1-703-741-5970

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification
Carcinogenicity Category 2 H351 Suspected of causing cancer (Inhalation)
Reproductive toxicity Category 2 H361 Suspected of damaging fertility or the unborn child
Full text of H statements: see section 16

2.2. GHS Label elements, including precautionary statements

GHS-US labeling
Hazard pictograms (GHS-US):

Signal word (GHS-US): Warning
Hazard statements (GHS-US):
H351 - Suspected of causing cancer (Inhalation)
H361 - Suspected of damaging fertility or the unborn child
Precautionary statements (GHS-US):
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P280 - Wear protective gloves, eye protection.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P405 - Store locked up.
P501 - Dispose of contents/container to comply with local, state and federal regulations

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification: None under normal conditions.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures
Not applicable
Potassium Antimony Tartrate Solution
Safety Data Sheet

Full text of hazard classes and H-statements: see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Allow victim to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects: Suspected of causing cancer.

### 4.3. Immediate medical attention and special treatment, if necessary

Obtain medical assistance.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media


Unsuitable extinguishing media: Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

No additional information available

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures: Avoid contact with skin and eyes.

#### 6.1.1. For non-emergency personnel

Protective equipment: Safety glasses. Gloves.

Emergency procedures: Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.
SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Hygiene measures: Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container closed when not in use.

Incompatible products: Strong oxidizers.

Incompatible materials: Sources of ignition. Direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Potassium Antimony Tartrate, Trihydrate (28300-74-5)</th>
<th>ACGIH</th>
<th>NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH TWA (mg/m³)</td>
<td>0.5 mg/m³</td>
<td></td>
</tr>
<tr>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>0.5 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chloroform (67-66-3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH TWA (ppm)</td>
</tr>
<tr>
<td>NIOSH REL (STEL) (mg/m³)</td>
</tr>
<tr>
<td>NIOSH REL (STEL) (ppm)</td>
</tr>
</tbody>
</table>

| Water (7732-18-5) | Not applicable |

8.2. Appropriate engineering controls

Appropriate engineering controls: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

High gas/vapor concentration: gas mask with filter type A. Safety glasses. Gloves.

Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or safety glasses

Respiratory protection:

High gas/vapour concentration: full face mask with filter type A

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid
Potassium Antimony Tartrate Solution
Safety Data Sheet

根据联邦登记 / 卷 77, 号 58 / 星期一，3月 26, 2012 / 规则和规定

<table>
<thead>
<tr>
<th>性质</th>
<th>信息</th>
</tr>
</thead>
<tbody>
<tr>
<td>颜色</td>
<td>无色</td>
</tr>
<tr>
<td>气味</td>
<td>无味</td>
</tr>
<tr>
<td>气味阈值</td>
<td>无数据</td>
</tr>
<tr>
<td>pH</td>
<td>无数据</td>
</tr>
<tr>
<td>熔点</td>
<td>无数据</td>
</tr>
<tr>
<td>冰点</td>
<td>无数据</td>
</tr>
<tr>
<td>沸点</td>
<td>无数据</td>
</tr>
<tr>
<td>闪点</td>
<td>无数据</td>
</tr>
<tr>
<td>相对蒸发速率（丁酸乙酯=1）</td>
<td>无数据</td>
</tr>
<tr>
<td>易燃性（固体、气体）</td>
<td>非易燃</td>
</tr>
<tr>
<td>相对蒸气密度于20 °C</td>
<td>无数据</td>
</tr>
<tr>
<td>相对密度</td>
<td>无数据</td>
</tr>
<tr>
<td>溶解性</td>
<td>溶于水</td>
</tr>
<tr>
<td>溶解度</td>
<td>无数据</td>
</tr>
<tr>
<td>自动着火温度</td>
<td>无数据</td>
</tr>
<tr>
<td>分解温度</td>
<td>无数据</td>
</tr>
<tr>
<td>动态粘度</td>
<td>无数据</td>
</tr>
<tr>
<td>动态粘度</td>
<td>无数据</td>
</tr>
<tr>
<td>爆炸极限</td>
<td>无数据</td>
</tr>
<tr>
<td>爆炸性质</td>
<td>无数据</td>
</tr>
<tr>
<td>氧化性质</td>
<td>无数据</td>
</tr>
<tr>
<td>9.2. 其他信息</td>
<td>无额外信息</td>
</tr>
</tbody>
</table>

**SECTION 10: 稳定性和反应性**

**10.1. 反应性**

无额外信息。

**10.2. 化学稳定性**

在正常条件下稳定。

**10.3. 可能的有害反应**

未确定。

**10.4. 避免条件**

避免直接阳光。极端的高温或低温。

**10.5. 不兼容材料**

强氧化剂。

**10.6. 危害分解产物**

锑及其氧化物。一氧化碳。二氧化碳。

**SECTION 11: 毒理学信息**

**11.1. 毒理学信息**

**可能的接触途径**

皮肤和眼睛接触

**急性毒性**

未分类

**氯化物（67-66-3）**

<table>
<thead>
<tr>
<th>性质</th>
<th>信息</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 口服大鼠</td>
<td>115 mg/kg</td>
</tr>
<tr>
<td>ATE US (口服)</td>
<td>115 mg/kg body weight</td>
</tr>
</tbody>
</table>

**氯化物（67-66-3）**

<table>
<thead>
<tr>
<th>性质</th>
<th>信息</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 口服大鼠</td>
<td>695 mg/kg (大鼠; OECD 401: 急性口服毒性; 实验值; 908 mg/kg bodyweight; 大鼠; OECD 401: 急性口服毒性; 实验值; 1117 mg/kg bodyweight; 大鼠)</td>
</tr>
<tr>
<td>LD50 皮肤大鼠</td>
<td>&gt; 20000 mg/kg (大鼠; 无可靠数据; &gt;3980 mg/kg bodyweight; 大鼠)</td>
</tr>
<tr>
<td>ATE US (口服)</td>
<td>695 mg/kg body weight</td>
</tr>
</tbody>
</table>
Potassium Antimony Tartrate Solution
Safety Data Sheet

Chloroform (67-66-3)
ATE US (gases) 700 ppmV/4h
ATE US (vapors) 3 mg/l/4h
ATE US (dust, mist) 0.5 mg/l/4h

Water (7732-18-5)
LD50 oral rat ≥ 90000 mg/kg
ATE US (oral) 90000 mg/kg body weight
Skin corrosion/irritation: Not classified
Serious eye damage/irritation: Not classified
Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Suspected of causing cancer (Inhalation).

Chloroform (67-66-3)
IARC group 2B - Possibly carcinogenic to humans
Reproductive toxicity: Suspected of damaging fertility or the unborn child.
Specific target organ toxicity – single exposure: Not classified
Specific target organ toxicity – repeated exposure: Not classified
Aspiration hazard: Not classified
Potential Adverse human health effects and symptoms: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity
Potassium Antimony Tartrate, Trihydrate (28300-74-5)
EC50 Daphnia 1 9 mg/l (48 h, Daphnia magna)
TLM fish 1 12 - 20 ppm (96 h, Pimephales promelas)

Chloroform (67-66-3)
LC50 fish 1 18.2 ppm (LC50; ASTM; 96 h; Oncorhynchus mykiss; Flow-through system; Fresh water; Experimental value)
EC50 Daphnia 2 152.5 mg/l (EC50; US EPA; 48 h; Daphnia magna; Static system; Salt water; Experimental value)

12.2. Persistence and degradability
Potassium Antimony Tartrate Solution
Persistence and degradability: Not established.
Chloroform (67-66-3)
ThOD 0.33 - 1.35 g O2/g substance
BOD (% of ThOD) 0.015 - 0.06

Water (7732-18-5)
Persistence and degradability: Not established.

12.3. Bioaccumulative potential
Potassium Antimony Tartrate Solution
Bioaccumulative potential: Not established.

Potassium Antimony Tartrate, Trihydrate (28300-74-5)
Bioaccumulative potential: Not bioaccumulative.

Chloroform (67-66-3)
BCF fish 2 1.4 - 4.7 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 42 days; Cyprinus carpio; Flow-through system; Fresh water; Experimental value)
Potassium Antimony Tartrate Solution
Safety Data Sheet

Chloroform (67-66-3)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Pow</td>
<td>1.97 (Experimental value; 20 °C)</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Low potential for bioaccumulation (BCF &lt; 500).</td>
</tr>
</tbody>
</table>

Water (7732-18-5)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
<td>Not established.</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

Potassium Antimony Tartrate, Trihydrate (28300-74-5)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecology - soil</td>
<td>No (test)data on mobility of the substance available.</td>
</tr>
</tbody>
</table>

Chloroform (67-66-3)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface tension</td>
<td>0.0271 N/m (20 °C)</td>
</tr>
<tr>
<td>Log Koc</td>
<td>Koc,Other; 86.7-367; Experimental value; log Koc; Other; 1.94-2.56; Experimental value</td>
</tr>
<tr>
<td>Ecology - soil</td>
<td>May be harmful to plant growth, blooming and fruit formation.</td>
</tr>
</tbody>
</table>

12.5. Other adverse effects

Other information: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with local, state and federal regulations.

Ecology - waste materials: Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)
In accordance with DOT
Not regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS-No.</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Antimony Tartrate, Trihydrate</td>
<td>28300-74-5</td>
<td>0.27%</td>
</tr>
<tr>
<td>Chloroform</td>
<td>67-66-3</td>
<td>0.5%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>RQ (Reportable quantity, section 304 of EPA's List of Lists)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Antimony Tartrate, Trihydrate</td>
<td>100 lb</td>
</tr>
<tr>
<td>Chloroform</td>
<td>10 lb</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>SARA Section 311/312 Hazard Classes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health hazard</td>
<td>Acute toxicity (any route of exposure)</td>
</tr>
<tr>
<td>Health hazard</td>
<td>Carcinogenicity</td>
</tr>
<tr>
<td>Health hazard</td>
<td>Reproductive toxicity</td>
</tr>
<tr>
<td>Health hazard</td>
<td>Serious eye damage or eye irritation</td>
</tr>
<tr>
<td>Health hazard</td>
<td>Skin corrosion or Irritation</td>
</tr>
<tr>
<td>Health hazard</td>
<td>Specific target organ toxicity (single or repeated exposure)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>SARA Section 313 - Emission Reporting</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.1 %</td>
</tr>
</tbody>
</table>

15.2. International regulations

CANADA
Potassium Antimony Tartrate, Trihydrate (28300-74-5)
Listed on the Canadian DSL (Domestic Substances List)

Chloroform (67-66-3)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations
No additional information available

National regulations
Potassium Antimony Tartrate, Trihydrate (28300-74-5)
Listed on the Canadian IDL (Ingredient Disclosure List)
Chloroform (67-66-3)
Listed on the Canadian IDL (Ingredient Disclosure List)

15.3. US State regulations
This product can expose you to Chloroform, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Chloroform (67-66-3)

<table>
<thead>
<tr>
<th>U.S. - California - Prop 65 - Carcinogens List</th>
<th>U.S. - California - Prop 65 - Developmental Toxicity</th>
<th>U.S. - California - Prop 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Prop 65 - Reproductive Toxicity - Male</th>
<th>No significant risk level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>20 µg/day</td>
</tr>
</tbody>
</table>

SECTION 16: Other information
Revision date : 01/30/2018
Other information : None.

Full text of H-phrases: see section 16:

<table>
<thead>
<tr>
<th>H301</th>
<th>Toxic if swallowed</th>
</tr>
</thead>
<tbody>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H331</td>
<td>Toxic if inhaled</td>
</tr>
<tr>
<td>H351</td>
<td>Suspected of causing cancer</td>
</tr>
<tr>
<td>H361</td>
<td>Suspected of damaging fertility or the unborn child</td>
</tr>
<tr>
<td>H372</td>
<td>Causes damage to organs through prolonged or repeated exposure</td>
</tr>
<tr>
<td>H401</td>
<td>Toxic to aquatic life</td>
</tr>
</tbody>
</table>

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.
# Potassium Antimony Tartrate Solution

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>Hazard Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>2 Moderate Hazard - Temporary or minor injury may occur</td>
</tr>
<tr>
<td>Flammability</td>
<td>0 Minimal Hazard - Materials that will not burn</td>
</tr>
<tr>
<td>Physical</td>
<td>0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.</td>
</tr>
<tr>
<td>Personal protection</td>
<td>G</td>
</tr>
<tr>
<td></td>
<td>G - Safety glasses, Gloves, Vapor respirator</td>
</tr>
</tbody>
</table>

SDS US LabChem

Information in this SDS is from available published sources and is believed to be accurate. No warranty, express or implied, is made and LabChem Inc assumes no liability resulting from the use of this SDS. The user must determine suitability of this information for his application.