

SAFETY DATA SHEET

Preparation Date: 10/27/2016

Revision Date: 11/19/2018

Revision Number: G1

1. IDENTIFICATION

Product identifier

Product code: AN140
Product Name: ANTIMONY POTASSIUM TARTRATE, POWDER, USP

Other means of identification

Synonyms: Antimonate(2)-, bis(mu-tartrato(4-))di-, dipotassium, trihydrate
 Tartrate de potassium d'antimoine trihydraté (French)
 Tartrate antimonio-potassique [French];
 Potassium antimony tartrate trihydrate
 Tartaric acid, antimony potassium salt, trihydrate

CAS #: 28300-74-5
RTECS # CC6825000
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: Mordant in textile and leather industries.
Uses advised against No information available

Supplier: Spectrum Chemical Mfg. Corp
 14422 South San Pedro St.
 Gardena, CA 90248
 (310) 516-8000

Order Online At: <https://www.spectrumchemical.com>
Emergency telephone number Chemtrec 1-800-424-9300
Contact Person: Martin LaBenz (West Coast)
Contact Person: Ibad Tirmiz (East Coast)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Acute toxicity - Oral	Category 3
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2

Label elements

Product code: AN140

Product name: ANTIMONY
 POTASSIUM TARTRATE, POWDER,
 USP

1 / 13

Danger

Hazard statements

Toxic if swallowed
Harmful if inhaled
Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation
May cause damage to organs through prolonged or repeated exposure



Hazards not otherwise classified (HNOC)

Not Applicable

Other hazards

Toxic to aquatic life with long lasting effects

Precautionary Statements - Prevention

Do not eat, drink or smoke when using this product
Wear protective gloves
Wear eye/face protection
Do not breathe dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wash face, hands and any exposed skin thoroughly after handling

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of water

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash it before reuse

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Rinse mouth

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product code: AN140

Product name: ANTIMONY
POTASSIUM TARTRATE, POWDER,
USP

2 / 13

Components	CAS-No.	Weight %
Antimony Potassium Tartrate	28300-74-5	100

4. FIRST AID MEASURES

First aid measures

- General Advice:** National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. First aider needs to protect himself.
- Skin Contact:** Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention. If skin irritation persists, call a physician.
- Eye Contact:** Flush eyes with water for 15 minutes. Get medical attention if irritation occurs. If symptoms persist, call a physician.
- Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. **WARNING!** It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled or ingested material is toxic, infectious or corrosive. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required.
- Ingestion:** Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Toxic if swallowed. Immediate medical attention is required. Call a physician or Poison Control Center immediately.

Most important symptoms and effects, both acute and delayed

- Symptoms**
- Causes skin irritation
 - Causes eye irritation
 - Irritating to respiratory system
 - Causes digestive (gastrointestinal) tract irritation
 - May cause salivation
 - May cause nausea
 - May cause diarrhea
 - May affect the cardiovascular system
 - May cause central nervous system effects
 - It may affect the kidneys

Indication of any immediate medical attention and special treatment needed

- Notes to Physician:** Treat symptomatically.

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

- Suitable Extinguishing Media:** Dry chemical. Carbon dioxide (CO₂). Water spray mist or foam.
- Unsuitable Extinguishing Media:** No information available.

Product code: AN140

Product name: ANTIMONY
POTASSIUM TARTRATE, POWDER,
USP

3 / 13

Specific hazards arising from the chemical

Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide. Potassium oxides. Antimony/Antimony oxides.

Specific hazards: May be combustible at high temperatures.

Special Protective Actions for Firefighters

Specific Methods: No information available.

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation. Remove all sources of ignition.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

Methods for cleaning up Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions:

Provide sufficient air exchange and/or exhaust in work rooms. Avoid dust formation. Keep away from incompatible materials.

Safe Handling Advice

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not ingest. Do not breathe dust. Avoid dust formation. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials.

Incompatible Materials:

Acids
Halogenated acids

Mineral acids
 Tannic and Gallic acids
 Reducing agents
 Strong oxidizing agents
 carbonates
 Lead salts
 Alkali hydroxides
 Mercury bichloride
 Lime water
 Albumin
 Bases
 Lead
 Silver salts

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WEEL
Antimony Potassium Tartrate	28300-74-5	0.5 mg/m ³ TWA (as Sb)	0.5 mg/m ³ TWA (as Sb)	0.5 mg/m ³ TWA (as Sb)	None

Canada

Components	CAS-No.	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Antimony Potassium Tartrate	28300-74-5	0.5 mg/m ³ TWA (as Sb)	0.5 mg/m ³ TWA (as Sb)	None	None

Australia and Mexico

Components	CAS-No.	Australia	Mexico
Antimony Potassium Tartrate	28300-74-5	0.5 mg/m ³ TWA (as Sb)	0.5 mg/m ³ TWA (as Sb)

Appropriate engineering controls

Engineering measures to reduce exposure:

Ensure adequate ventilation, especially in confined areas. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Goggles or Safety glasses with side-shields.

Skin and body protection: Long sleeved clothing
 Chemical resistant apron
 Gloves

Product code: AN140

Product name: ANTIMONY
 POTASSIUM TARTRATE, POWDER,
 USP

5 / 13

Respiratory protection: Wear respirator with dust filter. or. Effective dust mask. Use a dust respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentration of dust (dust clouds) , inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.

Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid	Appearance: Powder.	Color: White.
Odor: Odorless.	Taste Sweetish. Metallic.	Formula: C8-H4-K2-O12-Sb2.3H2O
Molecular/Formula weight (g/mole): 667.87	Flammability: No information available	Flashpoint (°C/°F): No information available.
Flash Point Tested according to: Not available	Autoignition Temperature (°C/°F): No information available	Lower Explosion Limit (%): No information available
Upper Explosion Limit (%): No information available	Melting point/range(°C/°F): 100°C (212°F)	Decomposition temperature(°C/°F): No information available
Boiling point/range(°C/°F): No information available	Bulk density: 1.3	Density (g/cm3): 2.6
Specific gravity: 2.6	pH: 4 at 20°C (68°F)	Vapor pressure @ 20°C (kPa): No information available
Evaporation rate: No information available	Vapor density: No information available	VOC content (g/L): No information available
Odor threshold (ppm): No information available	Partition coefficient (n-octanol/water): No information available	Viscosity: No information available
Miscibility: No information available	Solubility: Insoluble in Alcohol Soluble in Water Solubility in Water: 9 g/100 ml @ 25 °C Soluble in Glycerol	

10. STABILITY AND REACTIVITY

Reactivity

Reactive with strong oxidizing agents

Chemical stability

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Heat. Avoid dust formation. Incompatible materials.

Product code: AN140

Product name: ANTIMONY
POTASSIUM TARTRATE, POWDER,
USP

6 / 13

Incompatible Materials: Acids
Halogenated acids
Mineral acids
Tannic and Gallic acids
Reducing agents
Strong oxidizing agents
carbonates
Lead salts
Alkali hydroxides
Mercury bichloride
Lime water
Albumin
Bases
Lead
Silver salts

Hazardous decomposition products: Carbon monoxide. Carbon dioxide. When heated to decomposition it emits toxic fumes. Oxides of potassium. Antimony. Antimony oxide.

Other Information
Corrosivity: No information available

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:
Skin. Eyes. Ingestion. Inhalation.

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document
Component Information

Antimony Potassium Tartrate
CAS-No. 28300-74-5

LD50/oral/rat = 115 mg/kg Oral LD50 Rat
LD50/oral/mouse = 600 mg/kg
LD50/dermal/rabbit = No information available
LD50/dermal/rat = No information available
LC50/inhalation/rat = No information available
LC50/inhalation/mouse = No information available
Other LD50 or LC50 information = 115 mg/kg oral LD50 [Rabbit]

Product Information

LD50/oral/rat =
VALUE- Acute Tox Oral = 115 mg/kg

LD50/oral/mouse =
Value - Acute Tox Oral = 600 mg/kg

LD50/dermal/rabbit

Product code: AN140

Product name: ANTIMONY
POTASSIUM TARTRATE, POWDER,
USP

7 / 13

VALUE-Acute Tox Dermal = No information available

LD50/dermal/rat

VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat

VALUE-Vapor = No information available

VALUE-Gas = No information available

VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse

VALUE-Vapor = No information available

VALUE - Gas = No information available

VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: Causes skin irritation.

Eye Contact: Causes eye irritation.

Inhalation Harmful by inhalation. Irritating to respiratory system. Symptoms may include coughing and shortness of breath.

Ingestion Toxic if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause abdominal pain. May cause salivation. May cause ulcerations in the esophagus and stomach. May cause muscle weakness. May affect liver. May affect urinary system (kidneys). May cause mydriasis (dilated pupils). May affect the cardiovascular system (hypotension). May affect respiration (dyspnea - difficulty breathing and shortness of breath; hyperventilation). May affect the cardiovascular system (slow heart rate (bradycardia)). May affect cardiovascular system (hypotension, cardiac arrhythmias). May cause hemolytic anemia. May affect behavior/central nervous system (dizziness, headache). May affect behavior/central nervous system (somnolence). May affect behavior/central nervous system (hallucinations, distorted perceptions, irritability, loss of sleep).

Aspiration hazard No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity Chronic exposure may affect the liver, kidneys, and blood. Prolonged or repeated ingestion may affect the cardiovascular system. Prolonged or repeated ingestion may cause weight loss.

Sensitization: No information available.

Mutagenic Effects: May affect genetic material

Carcinogenic effects: Not considered carcinogenic.

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Antimony Potassium Tartrate	28300-74-5	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity No data is available
Reproductive Effects: No information available
Developmental Effects: No information available
Teratogenic Effects: No information available

Specific Target Organ Toxicity

STOT - single exposure No information available.
STOT - repeated exposure No information available.
Target Organs: Liver. Kidneys. Respiratory system. Lungs. Eyes. Skin. Cardiovascular system.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: No data available.
Persistence and degradability: No information available
Bioaccumulative potential: No information available.
Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:
Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:
Empty containers should be taken for local recycling, recovery or waste disposal

Components	CAS-No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Antimony Potassium Tartrate	28300-74-5	None	None	None	None

14. TRANSPORT INFORMATION

DOT
UN-No: UN1551
Proper Shipping Name: Antimony potassium tartrate
Hazard Class: 6.1
Subsidiary Class No information available
Packing group: III
Emergency Response Guide Number 151

Product code: AN140

Product name: ANTIMONY
POTASSIUM TARTRATE, POWDER,
USP

Marine Pollutant No data available
DOT RQ (lbs): No information available
Special Provisions IB8, IP3, T1, TP33
Symbol(s): No information available
Description: UN1551, Antimony potassium tartrate, 6.1, III

TDG (Canada)

UN-No: UN1551
Proper Shipping Name: Antimony potassium tartrate
Hazard Class: 6.1
Subsidiary Risk: No information available
Packing Group: III
Marine Pollutant No Information available
Description: UN1551, Antimony potassium tartrate, 6.1, III

ADR

UN-No: UN1551
Proper Shipping Name: Antimony potassium tartrate
Hazard Class: 6.1
Packing Group: III
Subsidiary Risk: No information available
Description: UN1551, Antimony potassium tartrate, 6.1, III

IMO / IMDG

UN-No: UN1551
Proper Shipping Name: Antimony potassium tartrate
Hazard Class: 6.1
Subsidiary Risk: No information available
Packing Group: III
Marine Pollutant No information available
EMS: F-A
Description UN1551, Antimony potassium tartrate, 6.1, III

RID

UN-No: UN1551
Proper Shipping Name: Antimony potassium tartrate
Hazard Class: 6.1
Subsidiary Risk: 6.1
Packing Group: III
Description: UN1551, Antimony potassium tartrate, 6.1, III

ICAO

UN-No: UN1551
Proper Shipping Name: Antimony potassium tartrate
Hazard Class: 6.1
Subsidiary Risk: No information available
Packing Group: III
Description: UN1551, Antimony potassium tartrate, 6.1, III

IATA

UN-No: UN1551
Proper Shipping Name: Antimony potassium tartrate
Hazard Class: 6.1
Subsidiary Risk: No information available
Packing Group: III
ERG Code: 6L
Special Provisions No information available
Description: UN1551, Antimony potassium tartrate, 6.1, III

Product code: AN140

Product name: ANTIMONY
POTASSIUM TARTRATE, POWDER,
USP

15. REGULATORY INFORMATION

International Inventories

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
<i>Antimony Potassium Tartrate</i>	28300-74-5	Not Listed	Not present	Present	Not present	Present	Present	Not present

U.S. Regulations

Antimony Potassium Tartrate

Massachusetts RTK: Present

New Jersey RTK Hazardous Substance List: 0145

New Jersey - Discharge Prevention - List of Hazardous Substances: Present

Pennsylvania RTK: Environmental hazard

Pennsylvania RTK - Environmental Hazard List Present

Minnesota - Hazardous Substance List: Present (as Antimony compounds)

New York Release Reporting - List of Hazardous Substances:

100 lb RQ

Louisiana Reportable Quantity List for Pollutants: 100lbfinal RQ

45.4kgfinal RQ

California Directors List of Hazardous Substances: Present

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Antimony Potassium Tartrate	28300-74-5	Not Listed	Not Listed	Not Listed	Not Listed

CERCLA/SARA

Components	CAS-No.	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
<i>Antimony Potassium Tartrate</i>	28300-74-5	100 lb final RQ 45.4 kg final RQ	None	None	None	None

U.S. TSCA

Components	CAS-No.	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Antimony Potassium Tartrate	28300-74-5	Not Applicable	Not Applicable

Canada

WHMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information:

Product code: AN140

Product name: ANTIMONY
POTASSIUM TARTRATE, POWDER,
USP

11 / 13

Component
Antimony Potassium Tartrate
28300-74-5 (100)

WHMIS 2015 Hazard Classification
Acute toxicity - Oral - Category 3: H301 Toxic if swallowed.

Canada Hazardous Products Regulation This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

Components	WHMIS Ingredient Disclosure List -
Antimony Potassium Tartrate	1% (as Antimony compounds)

Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Antimony Potassium Tartrate	28300-74-5	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Antimony Potassium Tartrate	28300-74-5	Not listed
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Antimony Potassium Tartrate	28300-74-5	Not listed

EU Classification

EU GHS - SV - CLP 1272/2008

Components	CAS-No.	EU GHS - SV - CLP (1272/2008)
Antimony Potassium Tartrate	28300-74-5	No Information

EU - CLP (1272/2008)

R-phrases(s)

R20 - Harmful by inhalation.
R25 - Toxic if swallowed.
R36/38 - Irritating to eyes and skin.

S -phrase(s)

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37 - Wear suitable gloves.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Components	CAS-No.	Classification	Concentration Limits:	Safety Phrases
Antimony Potassium Tartrate	28300-74-5		No information	

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

Xn - Harmful.
Xi - Irritant.
T - Toxic



16. OTHER INFORMATION

Preparation Date: 10/27/2016
Revision Date: 11/19/2018
Prepared by: Roumann Pangilinan

Disclaimer: All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet