



# SAFETY DATA SHEET

Preparation Date: 12/12/2016 Revision Date: 2/2/2017 Revision Number: G2

### 1. IDENTIFICATION

**Product identifier** 

Product code: A1340

Product Name: ARSENIC TRIOXIDE, POWDER, REAGENT, ACS

Other means of identification

**Synonyms:** Arsenic sesquioxide

Arsenic oxide Arsenic(III) oxide Arsenous acid Arsenous anhydride Arsenous oxide

Arsenous oxide anhydride

Arsentrioxide
Arsenicum album
Arsenious acid
Arsenious oxide
Arsenious trioxide

Arsenite Arsenolite

Arsenous acid anhydride

CAS #: 1327-53-3
RTECS # CG3325000
CI#: Not available

Recommended use of the chemical and restrictions on use

**Recommended use:** Chemical intermediate. In pigments. Mordant in printing of textiles.

Uses advised against No information available

<u>Supplier:</u> Spectrum Chemical Mfg. Corp

14422 South San Pedro St. Gardena, CA 90248

(310) 516-8000.

Order Online At: https://www.spectrumchemical.com

Emergency telephone numberChemtrec 1-800-424-9300Contact 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 2
Skin corrosion/irritation	Category 1

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Serious eye damage/eye irritation	Category 1
Germ cell mutagenicity	Category 2
Carcinogenicity	Category 1A
Reproductive toxicity	Category 2

#### Label elements

### Danger

#### Hazard statements

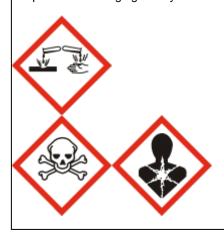
Fatal if swallowed

Causes severe skin burns and eye damage

Suspected of causing genetic defects

May cause cancer

Suspected of damaging fertility or the unborn child



### Hazards not otherwise classified (HNOC)

Not Applicable

#### Other hazards

Not available

## **Precautionary Statements - Prevention**

Obtain special instructions before use

 $\stackrel{\cdot}{\text{Do}}$  not handle until all safety precautions have been read and understood

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Do not breathe dust/fume/gas/mist/vapors/spray

Wear protective gloves/protective clothing/eye protection/face protection

#### **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. Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

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

Rinse mouth

Do NOT induce vomiting

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### **Precautionary Statements - Storage**

Store locked up

### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

Product name: ARSENIC TRIOXIDE, POWDER, REAGENT, ACS

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
Arsenic Trioxide	1327-53-3	0

### 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.

**Skin Contact:** Wash off immediately with soap and plenty of water. Continue flushing with plenty of water

for at least 15 minutes. Remove all contaminated clothes and shoes. Immediate medical

attention is required. Call a physician or Poison Control Centre immediately.

Eye Contact: Flush eyes with water for 15 minutes. Immediate medical attention is required. Call a

physician immediately.

**Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give

oxygen. 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:** Fatal if swallowed. Do not induce vomiting without medical advice. Never give anything by

mouth to an unconscious person. If victim is conscious, give water or milk. Immediate

medical attention is required.

### Most important symptoms and effects, both acute and delayed

**Symptoms** Severe skin and eye irritation or burns. May affect the liver. It may affect the kidneys.

Peripheral neuropathy. Paresthesia (numbness and tingling of the extremities). May affect the cardiovascular system. Hypotension. Hypertension. Cardiac arrhythmias. Weak, rapid pulse or rapid heart rate (Tachycardia). Mee's lines (transverse white lines) in the nails may be seen after acute or chronic exposure. garlic breath. Dehydration. Thirst. Causes digestive (gastrointestinal) tract irritation. May cause abdominal pain, nausea, vomiting, diarrhea. Central nervous system effects. Weakness. Headache. May cause metabolic

diarrhea. Central nervous system effects. Weakness. Headache. May cause metabolic acidosis. May cause anorexia. Irritating to respiratory system. Coughing and wheezing. Dyspnea (Shortness of breath and difficulty breathing). May cause difficulty swallowing. Perforation of the nasal septum if inhaled in excessive quantities. May affect eyes/vision. Skin lesions, thickened skin and/or patchy areas of darkening and loss of pigment.

### 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: The product is not flammable. If it is involved in a fire,

extinguish the fire using an agent suitable for the type of

surrounding fire.

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POWDER, REAGENT, ACS

Unsuitable Extinguishing Media: No information available.

Specific hazards arising from the chemical

Hazardous Combustion Products: No information available.

Specific hazards: No information available.

**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: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. 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 breathing

dust.

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Prevent product from entering

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. Keep away from incompatible materials.

### Safe Handling Advice

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not ingest. Do not breathe dust. 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:**

Metals Acids

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### National occupational exposure limits

#### **United States**

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WHEEL
Arsenic Trioxide	1327-53-3	None	None	0.01 mg/m³ TWA (as AS) (inorganic Arsenic compounds)	None

### Canada

Components	CAS-No.	Canada - Alberta	Canada - British	Canada - Ontario	Canada - Quebec
			Columbia		
Arsenic Trioxide	1327-53-3	0.01 mg/m <sup>3</sup> TWA (as	0.01 mg/m <sup>3</sup> TWA (as	0.01 mg/m <sup>3</sup> TWA; 0.05	None
		AS) (inorganic Arsenic	AS) (inorganic Arsenic	mg/m³ STEL (as AS)	
		compounds)	compounds)	(inorganic Arsenic	
		,	,	compounds)	

### **Australia and Mexico**

Components	CAS-No.	Australia	Mexico
Arsenic Trioxide	1327-53-3	confirmed carcinogen	= 0.5 mg/m <sup>3</sup> TWA

### Appropriate engineering controls

Engineering measures to reduce exposure: Ensure adequate ventilation. Provide exhaust ventilation or

other engineering controls to keep the airborne

concentrations of vapors and mist below their respective

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threshold limit value.

### Individual protection measures, such as personal protective equipment

### **Personal Protective Equipment**

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

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

**Respiratory protection:** Wear respirator with dust filter.

**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:** Appearance: Color: Solid Powder. Crystalline powder. Lumps. White.

Odor:TasteFormula:Odorless.Tasteless.As2O3

Molecular/Formula weight:Flammability:Flashpoint (°C/°F):197.84No information availableNo information available.

Product code: A1340 Product name: ARSENIC TRIOXIDE,

Flash Point Tested according to:

Not available

Autoignition Temperature (°C/°F):

No information available

Lower Explosion Limit (%): No information available

Decomposition temperature(°C/°F):

**Upper Explosion Limit (%):** 

No information available

Melting point/range(°C/°F):

312.3°C/594.1°F

**Bulk density:** 

Boiling point/range(°C/°F):

460-465 °C/860-869 °F

No information available

Density (g/cm3): No information available

No information available

Specific gravity:

3.74-3.865

No information available

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

No information available

Partition coefficient

(n-octanol/water): No information available **Viscosity:** 

No information available

Miscibility:

Solubility:

Partially soluble in cold water

Partially soluble in hot water

Very slightly soluble in diethyl ether Practically insoluble in Chloroform Practically insoluble in alcohol

Soluble in Glycerin

## 10. STABILITY AND REACTIVITY

## Reactivity

Dissolves in alkali to form arsenites

Forms toxic volatile halides when in contact with halide acids

A vigorous reaction occurs between Oxygen Difluoride, Aluminum Chloride and Arsenic Trioxide. Chlorine Trifluoride + Arsenic Trioxide produces a violent reaction without flame. Can generate Arsine, which is an extremely poisonous gas, when arsenic compounds contact acid, alkalies ,or water in the presence of an active metal (zinc, aluminum, manganese, sodium, iron, etc.) Incompatible with tannic acid, infusion of Chincona & other vegetable astringent infusions & decoctions, iron(in solution)

Chemical stability

Hygroscopic. Moisture Sensitive. Stable at normal conditions. Stability:

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Heat. Incompatible materials. Conditions to avoid:

**Incompatible Materials:** Metals Acids

Oxidizing agents

Hazardous decomposition

products:

When heated to decomposition it emits very toxic fumes. Arsenic oxides. Arsenic.

Other Information

Corrosivity: No information available

Special Remarks on Corrosivity: No information available

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### 11. TOXICOLOGICAL INFORMATION

## Information on likely routes of exposure

### **Principal Routes of Exposure:**

Ingestion. Inhalation. Skin.

### **Acute Toxicity**

### **Component Information**

Arsenic Trioxide
CAS-No. 1327-53-3

LD50/oral/rat = 20 mg/kg Oral LD50 Rat (LOLI)

14.6-36.7 (European Chemical Bureau IUCLID dataset)

**LD50/oral/mouse** = 20 mg/kg (RTECS)

**LD50/dermal/rabbit** = No information available

**LD50/dermal/rat** = No information available

**LC50/inhalation/rat** = No information available

LC50/inhalation/mouse = No infomation available
Other LD50 or LC50information = No information available

**Product Information** 

LD50/oral/rat =

VALUE- Acute Tox Oral = 20 mg/kg

LD50/oral/mouse =

Value - Acute Tox Oral = 20 mg/kg

LD50/dermal/rabbit

**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 severe irritation and burns.

**Eye Contact:** Causes severe eye irritation and possible burns. Causes conjunctivitis. Possible

eye damage.

**Inhalation** Irritating to respiratory system. Symptoms may include coughing and shortness of

breath. May cause delayed pulmonary edema. May cause bronchitis. May cause

nosebleeds, hoarseness, and/or sore throat.

Ingestion Fatal if swallowed. Causes digestive (gastrointestinal) tract irritation. Causes

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nausea, vomiting, hypermotility, diarrhea, garlic odor of breath. May cause abdominal pain. May cause thirst. May cause dehydration. May affect liver. May affect urinary system (kidneys). May cause metabolic acidosis. May cause electrolyte imbalance. May affect the cardiovascular system (hypotension or hypertension, tachycardia, dysrhythmias). May affect the cardiovascular system (cardiac arrhythmias). May affect behavior/central nervous system (convulsions, tremors, confusion). May affect behavior/central nervous system (dizziness, headache). May affect behavior/central nervous system (fatigue, weakness). May affect behavior/central nervous system (fatigue, weakness).

**Aspiration hazard** 

No information available.

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

**Chronic Toxicity** 

Chronic exposure to arsenic or arsenic compounds by dermal contact can cause dermatitis or painful ulceration of the skin, lips. The wrists, as are the genitalia (if personal hygiene is poor) are common sites. It can also cause hyperkeratosis (thickening of the skin), depigmentation (patchy areas of darkening and loss of pigment)and some persons may develop Mees' lines (white lines on the nails). Chronic exposure to arsenic or arsenic compounds by inhalation may cause irritation and conjunctivitis of the eyes, lacrimation hoarseness of the voice, laryngitis. irritation of the lips, nasal irritation (irritation of the nostrils), mucous membrane irritation, possible perforation of the nasal septum, and other symptoms similar to chronic ingestion. Chronic inhalation of arsenic and arsenic compounds is the most common cause of occupational poisoning. Chronic ingestion of arsenic or arsenic compounds can cause nausea, vomiting, anorexia, a garlic-like odor of the breath, and sweat and may affect the kidneys (renal tubular disorder/necrosis, anuria, hematuria, proteinuria, renal failure), liver (hepatomegaly, jaundice). It may also affect the blood/bone marrow (pancytopenia, isolated leukopenia, aplastic anemia, acute myelogenous leukemia), and cause alopecia (hair loss), dermatitis, skin disorders such as melanosis, depigmentation, keratosis, hyperkeratosis, Mees' lines and dimness of vision, double vision, and hyperglycemia.

**Sensitization:** No information available.

Mutagenic Effects: Suspected of causing genetic defects

Mutations in microorganisms

Cytogenic Analysis: human lymphocyte DNA Damage - human lymphocyte Micronucleus Test - Human Embryo

Carcinogenic effects: May cause cancer.

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Arsenic Trioxide		(Carcinogenic to Humans )- Supplement 7 [1987] Arsenic	A1 - Confirmed Human Carcinogen (Arsenic inorganic compounds)	Not listed	Present	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

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Reproductive toxicity Suspected of damaging fertility or the unborn child

Reproductive Effects: Experiments have shown reproductive toxicity effects on laboratory animals

**Developmental Effects:** May cause adverse developmental effects

Teratogenic Effects: No information available

Specific Target Organ Toxicity

**STOT - single exposure**STOT - repeated exposure
No information available.
No information available.

Target Organs: Skin. Liver. Respiratory system. Peripheral nervous system. Kidneys.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** 

**Ecotoxicity effects:** Aquatic environment.

Arsenic Trioxide - 1327-53-3

Freshwater Fish Species Data: 18.8-21.4 mg/L LC50 Oncorhynchus mykiss 96 h flow-through 1

1000 mg/L LC50 Oncorhynchus mykiss 96 h static 1

135 mg/L LC50 Pimephales promelas 96 h 1

Water Flea Data: 0.96 mg/L LC50 Daphnia magna 96 h

3.9 - 4.5 mg/L EC50 Daphnia magna 24 h

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
Arsenic Trioxide	1327-53-3	None	None	P012	None

### 14. TRANSPORT INFORMATION

DOT

**UN-No:** UN1561

Proper Shipping Name: Arsenic trioxide

Hazard Class: 6.1

Subsidiary Class No information available

Packing group:

Product code: A1340 Product name: ARSENIC TRIOXIDE,

**Emergency Response Guide 151** 

Number

Marine Pollutant

DOT RQ (lbs):

Special Provisions

No data available
No information available
IB8, IP2, IP4, T3, TP33

Symbol(s): [DOT]: (R4) - Identifies a material that is a hazardous substance that has a

reportable quantity (RQ) of 1000 pounds (454 Kilograms).

**Description:** UN1561, Arsenic trioxide, 6.1, II

TDG (Canada)

UN-No: UN1561
Proper Shipping Name: Arsenic trioxide

Hazard Class: 6.1

Subsidiary Risk: No information available

Packing Group:

Marine Pollutant No Information available

**Description:** UN1561, Arsenic trioxide, 6.1, II

ADR

UN-No: UN1561
Proper Shipping Name: Arsenic trioxide

Hazard Class: 6.1 Packing Group:

Subsidiary Risk: No information available

**Description:** UN1561, Arsenic trioxide, 6.1, II

IMO / IMDG

UN-No: UN1561
Proper Shipping Name: Arsenic trioxide

Hazard Class: 6.1

Subsidiary Risk: No information available

Packing Group:

Marine Pollutant No information available

EMS: F-A

**Description** UN1561, Arsenic trioxide, 6.1, II

RID

UN-No: UN1561
Proper Shipping Name: Arsenic trioxide

Hazard Class: 6.1

Subsidiary Risk: No information available

Packing Group:

**Description:** UN1561, Arsenic trioxide, 6.1, II

**ICAO** 

UN-No: UN1561
Proper Shipping Name: Arsenic trioxide

Hazard Class: 6.1

Subsidiary Risk: No information available

Packing Group:

**Description:** UN1561, Arsenic trioxide, 6.1, II

**IATA** 

UN-No: UN1561
Proper Shipping Name: Arsenic trioxide

Hazard Class: 6.1

Subsidiary Risk: No information available

Packing Group: II ERG Code: 6L

Special Provisions Description:

No information available

UN1561, Arsenic trioxide, 6.1, II

## 15. REGULATORY INFORMATION

#### International Inventories

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Arsenic Trioxide	1327-53-3	Present	Present KE-09858	Present	Present (9)-2400 (1)-35	Present	Present	Present 215-481-4

### **U.S. Regulations**

Arsenic Trioxide

Massachusetts RTK: Present

New Jersey RTK Hazardous Substance List: 0161

New Jersey (EHS) List: 0161 100 lb TPQ

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

Pennsylvania RTK: Environmental hazard

Special hazardous substance

Environmental hazard

Pennsylvania RTK - Environmental Hazard List Present

Pennsylvania RTK - Special Hazardous Substances Present

Minnesota - Hazardous Substance List: Present (inorganic Arsenic compounds)

New York Release Reporting - List of Hazardous Substances:

= 1 lb RQ

Louisana Reportable Quantity List for Pollutants: Listed 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:

WARNING: This product contains a chemical known to the State of California to cause cancer. (See table below)

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

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm (See table below)

Components	CAS-No.	Carcinogen		Reproductive	Female Reproductive Toxicity:
Arsenic Trioxide			Developmental toxicity (Arsenic inorganic oxides)		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
Arsenic Trioxide	1327-53-3		100 lb lower TPQ 10000 lb upper TPQ 1	None	Inorganic Arsenic compounds	0.1%

### U.S. TSCA

Components	CAS-No.	TSCA Section 5(a)2 - Chemicals	TSCA 8(d) -Health and Safety
		With Significant New Use Rules	Reporting

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		(SNURS)	
Arsenic Trioxide	1327-53-3	Not Applicable	Not Applicable

#### Canada

#### WHMIS hazard class:

D1A Very toxic materials D2A Very toxic materials

ComponentsWHIMHAZArsenic TrioxideD1A D2A

### **Canada Controlled Products Regulation:**

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Components	WHMIS Ingredient Disclosure List -
Arsenic Trioxide	0.1 %

### Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Arsenic Trioxide	1327-53-3	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Arsenic Trioxide	1327-53-3	Not listed
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject
		to Mandatory Reporting
Arsenic Trioxide	1327-53-3	Not listed

### **EU Classification**

#### R-phrase(s)

R28 - Very toxic if swallowed.

R34 - Causes burns.

R45 - May cause cancer.

R50 - Very toxic to aquatic organisms.

R53 - May cause long-term adverse effects in the aquatic environment.

### S -phrase(s)

S53 - Avoid exposure - obtain special instructions before use.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S60 - This material and its container must be disposed of as hazardous waste.

S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.

Components	CAS-No.	Classification	Concentration Limits:	Safety Phrases
Arsenic Trioxide		T+; R28 C; R34 Carc.Cat.1; R45 N; R50-53	No information	S53 S45 S60 S61

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

## Indication of danger:

C - Corrosive.

T+ - Very toxic.

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### **16. OTHER INFORMATION**

Preparation Date: 12/12/2016
Revision Date: 2/2/2017
Prepared by: Sonia Owen

Disclaimer:

Product code: A1340

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** 

**Product name:** ARSENIC TRIOXIDE, POWDER, REAGENT, ACS