

**Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

**Product Name/Catalog ID** SS-1153; SS-1253; SS-1553

**Product Description** 1000 µg/mL Antimony

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Recommended Use** Laboratory chemicals

**Uses advised against** No information available

**1.3. Details of the supplier of the safety data sheet****Company**

Teknolab  
Verkstedveien 29  
1400 Ski  
Norway  
Tel: +47 66 81 34 70  
Fax: +47 66 81 34 71  
e-mail: mail@teknolab.no  
Web: www.spectrascan.no

**1.4. Emergency telephone number**

Chemtrec 1-800-424-9300 (North America)  
Chemtrec +1 703-741-5970 (International)

<b>Europe</b>	<b>See above</b>
<b>Norway</b>	Poisons Information (NO): + 47 22 591300

**Section 2: HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture**

REGULATION (EC) No 1272/2008

**Classification according to EU Directives 67/548/EEC or 1999/45/EC****Symbol(s)**

Not dangerous

**GHS**

<b>Skin corrosion/irritation</b>	Category 2 - (H315)
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For the full text of the R phrases mentioned in this Section, see Section 16

**2.2. Label Elements**

**Product identifier**

**Signal word**

Warning

**Hazard statements**

H315 - Causes skin irritation

**Precautionary Statements - EU (§28, 1272/2008)**

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear protective gloves and eye/face protection

**2.3. Other information**

No information available

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substances**

Chemical Name	EC No	CAS No	Weight-%	Classification according to Directive 67/548/EEC or 1999/45/EC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Reg
Nitric acid	EEC No. Present	7697-37-2	1	C; R35 O; R8	(EUH071) Skin Corr. 1A (H314) Ox. Liq. 2 (H272)	No data avail

For the full text of the R phrases mentioned in this Section, see Section 16

For the full text of the H-Statements mentioned in this Section, see Section 16

## Section 4: FIRST AID MEASURES

**4.1. Description of first-aid measures**

<b>General Advice</b>	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	Move to fresh air.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
<b>Ingestion</b>	Immediate medical attention is required. Do NOT induce vomiting. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person.

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

<b>Most Important Symptoms and Effects</b>	Asthma-like and/ or skin allergy-like symptoms.
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**4.3. Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically
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## Section 5: FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

#### **Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### **Unsuitable Extinguishing Media**

No information available

### 5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors

### 5.3. Advice for firefighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

## Section 6: ACCIDENTAL RELEASE MEASURES

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

#### **Personal Precautions**

Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Use personal protective equipment. Do not get in eyes, on skin, or on clothing.

#### **Advice for emergency responders**

Ensure adequate ventilation.

### 6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so.

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

#### **Methods for Containment**

Prevent further leakage or spillage if safe to do so.

#### **Methods for Cleaning Up**

Take up mechanically and collect in suitable container for disposal.

### 6.4. Reference to other sections

See Section 12: ECOLOGICAL INFORMATION.

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

#### **Technical measures/Precautions**

Ensure adequate ventilation.

#### **Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace. Provide regular cleaning of equipment, work area and clothing.

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

#### **Technical measures/Precautions**

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

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

**Exposure Limits**

Chemical Name	EU	The United Kingdom	France	Spain	Germany	
Nitric acid 7697-37-2	STEL 1 ppm STEL 2.6 mg/m³	STEL: 1 ppm STEL: 2.6 mg/m³	STEL: 1 ppm STEL: 2.6 mg/m³	STEL: 1 ppm STEL: 2.6 mg/m³	TWA: 1 ppm TWA: 2.6 mg/m³	
Component	Italy	Portugal	The Netherlands	Finland	Denmark	
Nitric acid 7697-37-2 ( 1 )	STEL: 1 ppm STEL: 2.6 mg/m³	STEL: 4 ppm TWA: 2 ppm	STEL: 1.3 mg/m³	TWA: 0.5 ppm TWA: 1.3 mg/m³ STEL: 1 ppm STEL: 2.6 mg/m³		
Chemical Name	Sweden	Austria	Switzerland	Poland	Norway	Ireland
Nitric acid 7697-37-2	LLV: 2 ppm LLV: 5 mg/m³ STV: 5 ppm STV: 13 mg/m³	STEL 1 ppm STEL 2.6 mg/m³	STEL: 2 ppm STEL: 5 mg/m³ TWA: 2 ppm TWA: 5 mg/m³	STEL: 2.6 mg/m³ TWA: 1.4 mg/m³	TWA: 2 ppm TWA: 5 mg/m³ STEL: 2 ppm STEL: 5 mg/m³	STEL: 1 ppm STEL: 2.6 mg/m³

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available.

**8.2. Exposure controls**

**Engineering Measures** Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

**Eye/Face Protection**

Tightly fitting safety goggles.

**Hand Protection**

Impervious gloves.

**Skin and Body Protection**

Long sleeved clothing.

**Respiratory Protection**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Environmental Exposure Controls** No information available.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

**Physical state**

Liquid

**Appearance**

clear / colorless

**Odor**

Odorless

**Property****Values**

**pH VALUE**

No data available

**Melting Point/Range**

No data available

**Boiling Point/Range**

100 °C

**Evaporation rate**

No data available

**Flammability (solid, gas)**

No data available

**Vapor Pressure**

No data available

**Vapor density**

No data available

**Relative Density**

No data available

**Specific Gravity**

No data available

**Water Solubility**

Miscible

**Partition coefficient: n-octanol/water**

No data available

**Autoignition temperature**

No data available

**Decomposition temperature**

No data available

**Viscosity**

No data available

**Explosive Properties**

No information available

**Oxidizing Properties**

No information available

**Other information**

**VOC Content**

No information available

## Section 10: STABILITY AND REACTIVITY

**10.1. Reactivity**

No data available.

**10.2. Chemical Stability**

Stable under normal conditions.

**Explosion Data**

Sensitivity to Mechanical Impact     None.

Sensitivity to Static Discharge        None.

**10.3. Possibility of Hazardous Reactions****Hazardous Polymerization**

Hazardous polymerization does not occur.

**Hazardous Reactions**

None under normal processing.

**10.4. Conditions to Avoid**

None known.

**10.5. Incompatible materials**

Reducing agent

**10.6. Hazardous Decomposition Products**

Nitrogen oxides (NO<sub>x</sub>).

## Section 11: TOXICOLOGY INFORMATION

### 11.1. Information on toxicological effects

#### Acute Toxicity

<b>Product Information</b>	Harmful if swallowed.
<b>Inhalation</b>	There is no data available for this product.
<b>Eye Contact</b>	There is no data available for this product.
<b>Skin Contact</b>	There is no data available for this product.
<b>Ingestion</b>	Harmful if swallowed.

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

ATEmix (inhalation-dust/mist) 2,180.00 mg/l  
 ATEmix (inhalation-vapor) 6,700.00 mg/l  
Unknown acute toxicity  
 3 % of the mixture consists of ingredient(s) of unknown toxicity.

<b>Skin corrosion/irritation</b>	No information available.
<b>Eye damage/irritation</b>	No information available.
<b>Sensitization</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Carcinogenic effects</b>	No information available.
<b>Reproductive Toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Contains 3 % of components with unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Nitric acid		72: 96 h Gambusia affinis mg/L LC50	

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

No information available.

Chemical Name	Partition coefficient
Nitric acid	-2.3

**12.4. Mobility in soil****Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

No information available.

**12.6. Other adverse effects.****Section 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods****Waste from Residues/Unused Products**

Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging**

Do not re-use empty containers.

**Other Information**

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

**Section 14: TRANSPORT INFORMATION****IMDG**

<b>14.1. UN-No</b>	UN3264
<b>14.2. Proper shipping name</b>	Corrosive liquid, acidic, inorganic, n.o.s
<b>14.3. Hazard Class</b>	8
<b>14.4. Packing Group</b>	III
<b>Description</b>	Not applicable
<b>14.5. Marine Pollutant</b>	None
<b>14.6. Special Provisions</b>	None
<b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	No information available

**RID**

<b>14.1. UN-No</b>	UN3264
<b>14.2. Proper shipping name</b>	Corrosive liquid, acidic, inorganic, n.o.s
<b>14.3. Hazard Class</b>	8
<b>14.4. Packing Group</b>	III
<b>Description</b>	Not applicable
<b>14.5. Environmental hazard</b>	None
<b>14.6. Special Provisions</b>	None

**ADR**

<b>14.1. UN-No</b>	UN3264
<b>14.2. Proper shipping name</b>	Corrosive liquid, acidic, inorganic, n.o.s
<b>14.3. Hazard Class</b>	8
<b>14.4. Packing Group</b>	III
<b>Description</b>	Not applicable
<b>14.5. Environmental hazard</b>	None
<b>14.6. Special Provisions</b>	None

**ICAO**

<b>14.1. UN-No</b>	UN3264
<b>14.2. Proper Shipping Name</b>	Corrosive liquid, acidic, inorganic, n.o.s
<b>14.3. Hazard Class</b>	8
<b>14.4. Packing Group</b>	III

<b>Description</b>	Not applicable
<b>14.5. Environmental hazard</b>	None
<b>14.6. Special Provisions</b>	None
<b>IATA-DGR</b>	
<b>14.1. UN-No</b>	UN3264
<b>14.2. Proper shipping name</b>	Corrosive liquid, acidic, inorganic, n.o.s
<b>14.3. Hazard Class</b>	8
<b>14.4. Packing Group</b>	III
<b>Description</b>	Not applicable
<b>14.5. Environmental hazard</b>	None
<b>14.6. Special Provisions</b>	None

## Section 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

#### International Inventories

All of the components in the product are on the following inventory lists: U.S.A. (TSCA), Europe (EINECS/ELINCS/NLP), Canada (DSL/NDSL), Philippines (PICCS), Japan (ENCS), China (IECSC), Australia (AICS), Korea (ECL).

<b>TSCA</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>PICCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>AICS</b>	Complies
<b>KECL</b>	Complies

#### Legend

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances

### 15.2. Chemical Safety Assessment

No information available

## Section 16: OTHER INFORMATION

#### Full text of R-phrases referred to under sections 2 and 3

R35 - Causes severe burns  
R8 - Contact with combustible material may cause fire

#### Full text of H-Statements referred to under section 3

H314 - Causes severe skin burns and eye damage  
H272 - May intensify fire; oxidizer

<b>Revision Date</b>	07-Sep-2016
<b>Reason for Revision</b>	Not applicable.

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006



**Disclaimer**

The information provided on this SDS 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 Safety Data Sheet**