

SILVER NITRATE SOLUTION, 0.05N

SECTION 1: PRODUCT IDENTIFICATION

Product Name: SILVER NITRATE SOLUTION, 0.05N

Product Code: TR 071

CAS#: Not available

CI#: Not available

Synonym: Not available

Chemical Name: Not available

Chemical Formula: Not available

Formula Weight: Not available

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

No components need to be disclosed according to the applicable regulations.

Name: Silver Nitrate

**Toxicological Data on
Ingredients:**

H330, R23; H311, R24; H301, R25; H319, R36; H335, R37; H315, R38.

SECTION 3: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No.1272/2008.

Short-term (acute) aquatic hazard (Category 1), H400

Long-term (chronic) aquatic hazard (Category 1), H410

Potential Acute Health Effects: Hazardous in case of eye contact (irritant)

Carcinogenic Effects: Not available

Mutagenic Effects: Not available

Teratogenic Effects: Not available

Developmental Toxicity: Not available.

SECTION 4: FIRST AID MEASURES

Eye Contact: May cause serious eye irritation, check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. WARM water MUST be used. Get medical attention if irritation occurs.

Skin Contact: May cause skin irritation. Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: May cause skin irritation. Seek medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Seek medical attention.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available

SECTION 5: FIRE FIGHTING MEASURES



Flammability of the Product: May be combustible at high temperature

Flash Points: Not available

Flammable Limits: Not available

Products of Combustion: Carbon monoxide (CO), Carbon dioxide (CO₂), Nitrogen oxides (NO_x)

Fire Hazards in Presence of Various Substances: Slightly flammable to flammable in presence of heat.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available. Explosive in presence of open flames and sparks

Fire Fighting Media and Instructions:

Small Fire: Use dry chemical powder

Large Fire: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Fire is possible at elevated temperatures.

Special Remarks on Explosion Hazards: Not Available

SECTION 6: ACCIDENTAL RELEASE MEASURES

Small Spill: Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves. Absorb on sand or vermiculite and place enclosed containers for disposal. Ventilate area.

Large Spill: Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves. Absorb on sand or vermiculite and place enclosed containers for disposal. Ventilate area.

SECTION 7: HANDLING AND STORAGE

Precautions: Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk; evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Keep away from incompatibles such as oxidizing agents.

Storage: Tightly closed.

Recommended Storage Temperature : 15 - 25°C

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: 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.

Personal Protection: Safety glasses, Lab coat, Dust respirator, Gloves. Be sure to use an approved/certified respirator or equivalent.

Personal Protection in Case of a Large Spill: Splash goggles, Full suit, Dust respirator, Boots, Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance Form	: Aqueous Solution.
Odour	: No data available
Taste	: No data available
Molecular Weight	: No data available
Colour	: Colorless
pH	: No data available
Boiling Point	: No data available
Melting Point	: No data available



Critical Temperature	: Not Available
Relative Density	: Not Available
Vapor Pressure	: Not Available
Vapor Density	: Not Available
Volatility	: Not Available
Odor Threshold	: Not Available
Water/Oil Dist. Coeff.	: Not Available
Ionicity (in Water)	: Not Available
Dispersion Properties	: Not Available
Solubility	: Not Available

SECTION 10: STABILITY AND REACTIVITY DATA

Stability: The product is chemically stable under standard ambient conditions (room temperature)

Instability Temperature: Not available

Conditions of Instability: Violent reactions possible with:

The generally known reaction partners of water.

Incompatibility with various substances: Strong oxidizing agents

Corrosivity: Not available

Special Remarks on Reactivity: Not available

Special Remarks on Corrosivity: Not available

Polymerization: Not available

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Oral: No data available

Inhalation: No data available

Dermal: No data available

Toxicity to Animals:

LD₅₀: Oral - Rat - male and female - 3.804 mg/kg

LC₅₀: Inhalation - Rat - male and female - 4 h - > 0,075 mg/l – aerosol

Chronic Effects on Humans: Not Available

Other Toxic Effects on Humans: Not available

Special Remarks on Toxicity to Animals: Not available

Special Remarks on Chronic Effects on Humans: Not available

Special Remarks on other Toxic Effects on Humans: Not available

SECTION 12: ECOLOGICAL INFORMATION

Eco toxicity: Not available

BOD and COD: Not available

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: Not available

Special Remarks on the Products of Biodegradation: Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.



SECTION 14: TRANSPORT INFORMATION

UN number

ADR/RID: 3082

IMDG:3082

IATA: 3082

UN proper shipping name

ADR/RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

IATA: Environmentally hazardous substance, liquid, n.o.s.

Transport hazard class(es)

ADR/RID: 9

IMDG:9

IATA: 9

Packaging group

ADR/RID: III

IMDG: III

IATA: III

Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

Special precautions for user

No data available

SECTION 15: OTHER REGULATORY INFORMATION

Federal and State Regulations: TSCA 8(b) inventory: Not Available

Other Regulations: Not available

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada)

DSCL (EEC):

This product is not classified according to the EU regulations. Not applicable

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.)

Health: 3

Flammability: 1

Reactivity: 0

Specific hazard: Not Available

Protective Equipment: Gloves, Lab coat, Safety glasses, Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves. Absorb on sand or vermiculite and place enclosed containers for disposal. Ventilate area - be sure to use an approved/certified respirator or equivalent.

SECTION 16: OTHER INFORMATION

References: Full text of H AND R-Statements

H272 May intensify fire; oxidizer.

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.



H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Other Special Considerations:

Take note of Dir 94/33/EC on the protection of young people at work.

The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for user's obligation to investigate and determine the suitability of the information for their particular purpose.