

Material Safety Data Sheet (91/115 EEC)



Product name: SCIONIC AGT-01

Section 1 : Chemical Product and Company Identification

Product code: FA019
Chemical description: Finishing agent
Product description: Silver nano complex
Responsible department: Product safety department
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Section 2 : Composition and Information on Ingredients

Ingredients
Nano silver
Ethyl Alcohol
Water

Section 3 : Hazards Identification

Potential Acute Health Effects:

Skin Contact: Not expected to be a health hazard to the skin irritation or ulceration.
Eye Contact: If large doses: Hazardous in case of eye contact. Inflammation of the eye is characterized by redness, watering, and irritation.
Ingestion: Harmful if swallowed, Ingestion may cause gastrointestinal irritation.
Inhalation: Hazardous in case of inhalation. Avoid breathing vapors or spray mists.

Section 4 : First Aid Measures

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.
Skin Contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Section 5 : Fire and Explosion Data

Fire extinguishing agents: Carbon dioxide, dry chemical powder, foam or water spray etc.
Personal protection: Self contained breathing apparatus and protective clothing.
Specific Hazards: Emit toxic fume under fire conditions.

Section 6 : Accidental Release Measure

Personal protection:	Goggles, gloves.
Procedure of Personal precautions:	Exercise appropriate precautions to minimize direct contact with skin, eyes, and prevent direct inhalation.
Spill:	Sweep up with spade and transfer to a dry, clean, lidded container for disposal. Avoid inhalation. Ventilate area. Wash spill site after material pickup is complete.

Section 7 : Handling an Storage

Precautions:	Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.
Incompatibilities:	Strong Oxidizing Agent , Strong Acid
Storage:	Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep away from heat and ignition source.

Section 8 : Exposure Controls/ Personal Protection

General Hygiene	Wash contaminated clothes, shoes before reuse.
Personal Protection:	Splash goggles. Be sure to use an approved/certified respirator or equivalent. Gloves.
General Hygiene:	Wash contaminated clothes, shoes before reuse.

Section 9 : Physical and Chemical Property

Physical state and appearance:	Clear liquid
Odor:	Weak characteristic
Color:	Colorless to slightly yellow
pH at 100%Solution:	10.0 - 13.0
Flash Point:	95 °C (closed cup)
Vapor Pressure:	<1 (air =1)
Solubility:	Soluble in water.

Section 10 : Stability and Reactivity Data

Stability:	Stable under normal temperatures and pressures.
Conditions to avoid:	Extreme temperatures.
Hazardous polymerization:	Will not polymerize.
Hazardous decomposition products:	Metal oxide fume, Carbon dioxide, Carbon monoxide, Silicon oxide, Ammonia.
Incompatibilities:	Silver is incompatible with acetylene, ammonia, strong hydrogen peroxide solutions, strong acids, oxalic acid, tartaric acid, bromoazide, chlorine trifluoride, and ethyleneimine.

Section 11 : Toxicological Information

Toxicity to Animals:	
Acute oral toxicity (LD50): mg/kg (Mouse)	3,650
Primary irritation:Rabbit (Skin)	Not available.
(Eye)	Not available.
Chronic Effects on Humans:	Not available.
Carcinogenicity:	None of the components in this material is listed by NTP, OSHA and IARC.

Section 12 : Ecological Information

Ecotoxicity:	This substance may be hazardous to the environment; special attention should be given to aquatic organisms.
BOD₅ (mgO₂/g):	Not available.
COD (mgO₂/g):	Not available.
TOC (%):	Not available.

Section 13 : Disposal Considerations

Waste Disposal:	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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Section 14 : Transport Information

DOT	Non-Hazardous for transportation : not a DOT controlled material (USA)
UN number	Not regulated.

Section 15 : Other Regulatory Information

Symbol and classification:	Xi Irritant.
R phrases:	
S phrases:	

Section 16 : Other Information

References:	Not available.
Other Special Considerations:	Not available.
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