



Pony Testing International Group

Report No.: E04192025916D

SDS Report

Sample Description

40D/12F NYLON SILVER FIBER

Applicant

SHAOXING ANNOR TEXTILE CO., LTD

Pony Testing International Group

www.ponytest.com



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Safety Data Sheet (SDS)

according to ISO11014:2009

40D/12F NYLON SILVER FIBER

Section 1 - Chemical Product and Company Identification

Sample Name: 40D/12F NYLON SILVER FIBER

Sample Code: AN-S001

Recommended Uses: Conductive, anti-bacterial, anti-static.

Restrictions on use: N/A

Company Identification: SHAOXING ANNOR TEXTILE CO., LTD

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Section 2 - Hazards Identification

EMERGENCY OVERVIEW

Physical and chemical hazards: The product is not suspected to easily cause fire.

Human health hazards: This product should not present a health hazard when used under reasonable conditions.

Environmental hazards: N/A

Specific hazards: N/A

UN Classification: None.

European Labeling in Accordance with EC Directives 1999/45/EC: None.

Important symptoms: See Section 11 for more information.

An outline of an anticipated emergency: In case of accident or if you feel unwell, seek medical advice immediately. See Section 4 for more information.

Section 3 - Composition, Information on Ingredients

General Chemical Description: This chemical product is a mixture.

Composition, Information on Ingredients:

Chemical Name	Percent (by weight)	CAS No.	EC#
Nylon 6	75%	25038-54-4	Unlisted
Silver (Ag)	15%	7440-22-4	231-131-3

Section 4 - First Aid Measures

Inhalation: If inhaled, remove to fresh air. Seek medical aid if cough or other symptoms appear.

Skin: If contact with hot material, cool the burn area by flushing with large amounts of water. DO NOT attempt to remove anything from the burn area. Cover the burn area loosely with a sterile dressing, if available and seek medical attention.

Eyes: Do not allow victim to rub eyes. In case of contact, immediately flush eyes with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid if symptoms occur.

Ingestion: Ingestion of this material is unlikely. If it does occur, watch the person for several days to make sure that partial or complete intestinal blockage does not occur.

Most important acute and delayed symptoms/effects: See Section 11 for more information.

Protection of first-aiders: Use proper personal protective equipment as indicated in Section 8.

Note To Physicians: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

Extinguishing Media: Use agent most appropriate to extinguish surrounding fire.

Specific Hazards: The product is not suspected to easily cause fire.

Specific Extinguishing Methods: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Move containers from fire area if this can be done without risk. Prevent run off from fire control dilution from entering streams or drinking water supply.

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

Section 6 - Accidental Release Measures

Person-related Safety Precautions: Review Section 5 and Section 7 sections before proceeding with clean-up. Use proper personal protective equipment as indicated in Section 8.

Measures for Environmental Protection: Avoid dispersal of spilled material and runoff and contact with soil, water ways, drains and sewers.

Measures for Cleaning/Collecting: Remove all sources of ignition. Collect up, and then place into a suitable container for disposal or recycle.

Section 7 - Handling and Storage

General Information: This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. Smoking should be prohibited in areas where this material is stored.

Handling: Ensure good local exhaust ventilation. Keep away from incompatible substances (see section 10), any sources of ignition or heat (e.g. open flames, smoking, hot surfaces, excess heat). Avoid contact with eyes. Avoid ingestion. The work area should be equipped with the corresponding species and quantity of fire equipment and leakage emergency equipment.

Storage: Store in a cool, dry, well-ventilated area away from incompatible substances (see section 10), any sources of ignition or heat (e.g. open flames, smoking, hot surfaces, excess heat). Inspect regularly for deficiencies such as damage or leaks. Treat carefully, avoid physical damage to containers. Do not allow scrap and cuttings to accumulate and maintain clear aisles with adequate access to all storage areas and exits. The storage area should be equipped with the corresponding species and quantity of fire equipment and leakage emergency equipment.

Section 8 - Exposure Controls, Personal Protection

Exposure Limit:

Composition: CAS# 25038-54-4

- No date available.

Composition: CAS# 7440-22-4

- TLV-TWA 0.1 mg/m³ (ACGIH)
- PEL-TWA 0.01 mg/m³ (OSHA)
- REL-TWA 0.01 mg/m³ (NIOSH, dust)

Engineering Controls: Use adequate ventilation to keep airborne concentrations low. Equipped with safety shower and eyes bath.

Personal Protective Equipment:

- Ø **Respiratory Protection:** No special requirement under normal use. An appropriate respirator or mask should be used whenever workplace conditions warrant a respirator's use. A full face positive pressure supplied-air respirator or a self contained breathing apparatus should be used when fire.
- Ø **Hand Protection:** No special requirement under normal use. It is recommended to wear appropriate protective gloves when there is the risk of greater exposure.
- Ø **Eyes:** No special requirement under normal use.
- Ø **Skin and Body Protection:** No special requirement under normal use. It is recommended to wear appropriate protective clothing when there is the risk of greater exposure.
- Ø **Other Protection:** To maintain good health habits. Smoking should be prohibited in areas where this material is stored.

Section 9 - Physical and Chemical Properties

Physical State: Grey wire.

pH: N/A

Melting Point: N/A

Freezing Point: N/A

Boiling Point: N/A

Flash Point: N/A

Explosion Limits: N/A

Vapor Pressure: N/A

Vapor Density (Air=1): N/A

Density: N/A

Solubility: Insoluble in water.

n-octanol/water partition coefficient as log Pow: N/A

Auto-ignition Temperature: N/A

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Decomposition temperature: N/A

Odour threshold: N/A

Evaporation rate: N/A

Viscosity: N/A

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of hazardous reactions: Has not been reported.

Conditions to Avoid: Excess heat, any source of ignition, incompatible materials.

Incompatibilities with Other Materials: Strong oxidizing agents, strong acids and strong bases.

Hazardous Decomposition Products: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, nitrogen oxide, silver oxide, fumes, and smoke may be generated by thermal decomposition or combustion.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

Toxicological Information:

Composition: CAS# 25038-54-4

- RTECS# TQ9800000
- LC50: 11g/m³/30M (Inhalation, mouse)

Composition: CAS# 7440-22-4

- RTECS# VW3500000
- LD50: 100 mg/kg (Oral, mouse)

Skin irritation/corrosion: No date available.

Eye irritation/corrosion: No date available.

Respiratory or Skin sensitisation: No date available.

Reproductive Cell Mutagenicity: No date available.

Carcinogenicity:

Composition: CAS# 25038-54-4

- IARC: Group 3-Not classifiable as to carcinogenicity to humans.
- Not listed as a carcinogen by ACGIH, NTP, or CA Prop 65.

Composition: CAS# 7440-22-4

- Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Reproductive Toxicity: No date available.

Specific target organ toxicity-Single exposure: No date available.

Specific target organ toxicity-Repeated exposure: No date available.

Aspiration hazard: No date available.

Potential Health Effects:

- Ø **Inhalation:** Inhalation of this product is unlikely.
- Ø **Skin:** No health effects are expected under normal use.
- Ø **Eye:** No health effects are expected under normal use. Contact may cause eyes mechanical irritation.
- Ø **Ingestion:** Ingestion of this product is unlikely.

Section 12 - Ecological Information

Ecological Toxicity: Not available.

Persistence and degradability: Not available.

Bioaccumulative Potential: Not available.

Mobility in Soil: Not available.

Water Pollution Classification, WGK: Not available.

Other adverse effects: Not available.

Other Information: The major composition of this product is polymer which is considered not easily to degradable. Do not allow this material to be released to the environment without proper treatment.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Disposal should be in accordance with applicable regional, national and local laws and regulations.



The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Refer to Section 7-Handling and Storage and Section 8-Exposure Controls/Personal Protection for additional handling information and protection of employees.

Section 14 - Transport Information

Not regulated as a hazardous material for transportation. (UN TDG Rev.16; IATA DGR 52nd edition)

UN: N/A

UN Classification: N/A

UN proper Shipping Name: N/A

Packaging Sign: N/A

Packaging group: N/A

Marine Pollutant (Y/N): No.

Transport in bulk according to MARPOL73/78 Annex II and the IBC Code: N/A

Transport Fashion: By air.

Shipping Notice: N/A

Section 15 - Regulatory Information

Regulatory Information: Reference to the local, national, US, EU, CA and international regulations.

CAS No.	TSCA	Canada	IECSC
25038-54-4	Listed	Listed in DSL	Listed
7440-22-4	Listed	Listed in DSL	Listed

Section 16 - Additional Information

Issue Time: 2011-04-25

Issue Department: Technical department

Data review unit:

Modification record:

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Other Information:

ACGIH: (American Conference of Governmental Industrial Hygienists) ; BCF: (Bioconcentration Factor) ; BOD: (Biochemical oxygen demand) ; CAS: (Chemical Abstracts Service) ; DSL: (the Domestic Substances List of Canada) ; EC: (European Commission) ; EC50: (Median effective concentration) ; IARC: (International Agency for Research on Cancer) ; IATA: (International Air Transport Association) ; IECSC: (Inventory of Existing Chemical Substances in China) ; IMDG: (International Maritime Dangerous Goods) ; LC50: (Lethal concentration, 50 percent kill) ; LD50: (Lethal dose, 50 percent kill) ; NDSL: (the Non-domestic Substances List of Canada) ; NIOSH: (US National Institute for Occupational Safety and Health) ; NOEC: (No observed effect concentration) ; NTP: (US National Toxicology Program) ; OSHA: (US Occupational Safety and Health) ; PC-STEL: (Permissible concentration-time weighted average) ; PC-TWA: (Permissible concentration-short time exposure limit) ; PEL: (Permissible Exposure Level) ; REL: (Recommended Exposure Limit) ; RTECS: (Registry of Toxic Effects of Chemical Substances) ; SADT: (Self Accelerating Decomposition Temperature) ; STEL: (Short Term Exposure Limit) ; TDG: (Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations) ; TLV: (Threshold Limit Value) ; TOD: (Total Organic Carbon) ; TSCA: (Toxic Substances Control Act of USA) ; TWA: (Time Weighted Average) ;