

Safety Data Sheet (SDS)

The content and format of this SDS is accordant with 29 CFR 1910.1200 (OSHA standard)

1. Identification

Product details

Product name: Tourniquet

Recommended use of the chemical and restrictions on use: Stop Bleed. Restrictions on use: Do NOT use it in an application which may contaminate food or do harm to human health.

Manufacturer/Supplier: Wuxi Emsrun Technology Co., Ltd

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2. Hazards identification

GHS classification:

Physical hazards: Not classified

Health hazards: Not classified

Environmental hazards: Not classified

Signal Word: Not applicable

Symbol: Not applicable

Hazard Statements:

No relevant classification for this product.

Precautionary Statements:

No special requirements.

Response Precautionary Statements:

No special requirements.

Storage precautionary statements:

No special requirements.

Disposal precautionary statements:

No special requirements.

3. Composition/information on ingredients

Product description: substance (); preparation/mixture (√)

Ingredient (s)	CAS No.	EC No.	% by weight
Nylon	24937-16-4	607-456-5	90
Plastic	--	--	6
Aluminium	7429-90-5	231-072-3	4

4. First aid measures

Persons using this product should consult a physician or other medical professional if an accident involving this product results in injury. Specific first-aid measures are as follows:

Inhalation: No special measures as there is no hazard for normal contact. If discomfort occurs after inhaling dust or fume from processing or thermal decomposition, remove to a place where air is fresh.

Skin Contact: No special measures as there is no hazard for normal contact. Wash with plenty of soap and water.

Eyes Contact: No special measures as there is no hazard for normal contact. If dust from processing enters eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion: It's almost impossible to swallow this product. As for deliberate swallowing, do not induce vomiting without professional instruction, but get medical attention if discomfort occurs.

Acute effect and delayed effect: Acute effect: Not found. Delayed effect: Not found.

Personal protective equipment: Wear protective gloves/protective clothing/eye protection/face protection when necessary.

Indication of immediate medical attention and treatment needed, if necessary: Treat according to symptoms and exposure dose.

5. Fire-fighting measures

Extinguishing Media: Use water fog, foam, dry chemical or CO₂ to extinguish.

Unsuitable Extinguishing Media: High volume water jet. Discharging cylinder shape water from fire hose may lead to spread fire to the surroundings.

Special hazards arising from the chemical: No further relevant information available.

Fire Fighting Method:

For initial fire, use dry powder, carbon dioxide, etc.

For large fire, it is effective to use fire foam, etc. to shut off air supply.

Fire-fighters must wear self-contained breathing apparatus and full protective equipment (e.g. fire-retardant clothing).

Deny unnecessary entry to the place around the fire.

Remove containers from fire area if it can be done without risk.

Cool surrounding facilities, etc. with water spray.

Extinguish fire from upwind, and the fire extinguishing method should be appropriate to the situation in the surroundings.

Special actions for fire-fighters: Firefighters must wear self-contained breathing apparatus and full protective equipment.

Check whether the protective equipment is in good condition before use.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use proper personal protective equipment as indicated in Section 8.

Environmental precautions: Keep cleaning run-offs out of municipal sewers and open bodies of water. Comply with local and national laws and regulations.

Methods and material for containment and cleaning up:

Due to the nature of this product, there are no special measure for collection.

Collect it into a proper container for disposal.

Avoid generating dust during collection and clean-up.

7. Handling and storage

Precautions for safe handling:

Wash hands thoroughly after handling.

Conditions for safe storage, including any incompatibilities: Store it in a well-ventilated, cool and dry store room.

Incompatible substances or mixtures: No relevant information.

Packing material: No relevant information.

8. Exposure controls/personal protection

Occupational Exposure Limits:

Ingredients	OSHA PEL-TWA	ACGIH TLV-TWA
Aluminium (CAS: 7429-90-5)	Total dust: 15 mg/m ³ Respirable fraction: 5 mg/m ³	Respirable fraction: 1 mg/m ³

Engineering Controls: No special requirements.

Personal Protective Equipment (For workers):

Protection of Hands:

Recommend wearing protective gloves for industrial hygienic purpose.



Protection of Eyes:

No special requirements under normal conditions. Wear safety glasses when working in a dusty environment.

Respiratory Protection:

No special requirements under normal conditions. Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms occur.

Protection of Body:

Recommend wearing general working clothing.

General protective and hygienic measures:

Wash hands before breaks and at the end of work.

9. Physical and chemical properties

General Information	
Form	Solid
Color	Many colors
Odor	Odorless
Odor threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available

Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas, etc.)	Non-flammable
Upper/lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Solubility (ies)	No data available
Partition coefficient: n-octanol/Water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

10. Stability and reactivity

Reactivity and Chemical stability: This product is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Possibility of hazardous reactions: No relevant information.

Conditions to Avoid: High temperature.

Incompatible materials: No relevant information.

Hazardous decomposition products: No relevant information.

11. Toxicological information

Product Toxicity Data:

Ingredient (s)	CAS No.	LD₅₀/LC₅₀ (Median lethal dose)
Nylon	24937-16-4	No data available
Aluminium	7429-90-5	Acute toxicity (oral) LD ₅₀ > 15900 mg/kg (rat) Data source: ECHA
Classification of the whole product:		Not classified

Skin corrosion/irritation	No classification for this product.
Serious eye damage/eye irritation	No classification for this product.
Respiratory sensitizer	No classification for this product.
Skin sensitizer	No classification for this product.
Germ cell mutagenicity	No classification for this product.
Carcinogenicity	No classification for this product.
Reproductive Toxicity	No classification for this product.
Specific target organ toxicity, single exposure:	No classification for this product.
Specific target organ toxicity, repeated exposure:	No classification for this product.
Aspiration hazard	No classification for this product.

12. Ecological information

- Ecotoxicity:** No data available for the whole product.
- Persistence and degradability:** No data available.
- Bioaccumulative potential:** No data available.
- Mobility in Soil:** When it is in solid status, it can hardly move in soil.
- Other adverse effects:** No relevant information.

13. Disposal considerations

Waste treatment methods:

- It is recommended to recycle and reuse it.
- Any disposal practice must be in compliance with country, local, state, and federal laws and regulations.
- Generally this product will not contaminate the packaging, so the packaging can be disposed of as non-hazardous waste.

14. Transport Information

DOT/Air-Transportation- IATA/ICAO/Sea-Transportation-IMO/IMDG:

- UN proper shipping name:** Not regulated.
- Transport hazard class(es):** Not applicable
- UN number:** Not applicable
- Packing Group:** Not applicable
- Packing Group Symbol:** Not applicable
- Marine Pollutant (Yes/No):** No
- EMS NO.:** Not applicable
- Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable

Special precautions:

Check whether the package is completed or sealed before transporting; make sure no damage of packages and prevent goods from falling down during transporting; the transport vehicle should be equipped with facilities for fire-fighting and accidental release handling; do NOT transport this product together with incompatible substances; stay away from fire and areas of high temperature during stopovers.

15. Regulatory information

United States:

- Section 355 (extremely hazardous substances):** Not listed.
- SARA 313:** Aluminium (CAS: 7429-90-5) is listed (Only if it is a fume or dust form).

Clean Water Act:

Chemical Name	CWA - Reportable Quantities	CWA - Hazardous Substances	CWA - Priority Pollutants	CWA - Toxic Pollutants
Not applicable	Not available	Not available	Not available	Not available

Toxic Substances Control Act (TSCA):

Ingredient (s)	CAS No.	TSCA Inventory
Nylon	24937-16-4	Not listed
Aluminium	7429-90-5	Listed

Carcinogenicity categories: Not listed by EPA, NTP, ACGIH and IARC.

Other relevant laws and regulations:

Canada Domestic Substances List (DSL) and Canada Non-domestic Substance List (NDSL): Aluminium (CAS: 7429-90-5) is listed.

Candidate List of Substances of very high concern (SVHC) according to ECHA: Not listed.

REACH Regulation Annex XVII Regulation List: Not listed.

REACH Regulation Annex XIV Authorization List: Not listed.

Germany – WGK: Not classified.

(EC) 1272/2008 Annex VI Table 3.1:

Ingredient(s)	EC No. 1272/2008 Classification	
	CLASS. CODE	HAZARD CODE
Aluminium (CAS: 7429-90-5) (Aluminium powder (stabilized))	Flam. Sol. 1	H228
	Water-react. 2	H261

Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out.

16. Other information

DISCLAIMER:

All the information of this SDS is true and effective, and only for reference. Our company will not control the way how people use it, neither will we be responsible for any consequence. The users shall decide how to properly use the product or adopt certain production way for some special purpose. The above-mentioned precautionary measures are helpful to avoid damage to the property or life safety during the operation or use of this product.

References:

GHS Annex II

GHS SDS Instruction

ANSI Z400.1/Z129.1-2010

OSHA Hazard Communication Standard (HCS) 2012

Full description of some acronyms:

CAS-Chemical Abstracts Service

EINECS-European Inventory of Existing Commercial Chemical Substances

IMO-International Maritime Organization

IMDG-International Maritime Dangerous Goods

IATA-International Air Transport Association

ICAO-International Civil Aviation Organization

TSCA-Toxic Substances Control Act

OSHA-Occupational Safety and Health Administration
ACGIH- American Conference of Governmental Industrial Hygienists

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