

SECTION 1: IDENTIFICATION**1.1 PRODUCT IDENTIFIER****Product Name:** Shuangshi TPO membrane**Product Code:** Reinforced TPO membrane**1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE****Product Use:** Construction, Roofing

Use this product in accordance with all local, regional, national and international regulations.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET**Name/Address:** Shuangshi New Material Co., Ltd
No.6 Loushan Branch road, Licang district, Qingdao City, China**Telephone Number:** 0532-86395788**Telephone Number:** 86-15763932310**Website:** www.shuangshinewmaterial.com.cn/**SECTION 2: HAZARD(S) IDENTIFICATION****2.1 CLASSIFICATION OF THE****CHEMICAL Hazard class:**

HAZARD	CATEGOR
This material is an article Not Classified	
This material does not meet the criteria for classification to OSHA Hazard Communication Standard 2012 1900.1200 (HCS 2012).	

2.2 LABEL ELEMENTS**Hazard pictogram:** None**Signal word:** None**Hazard statement:** This Article does not meet the criteria for classification to OSHA Hazard Communication Standard 2012 1900.1200 (HCS 2012).**Prevention:** Observe good industrial hygiene practices.**Response:** Wash hands thoroughly after handling.**Storage:** Store away from incompatible materials.**Disposal:** Dispose of contents and container in accordance with all local, regional, national and international regulations.

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2.3 ADDITIONAL INFORMATION

Main symptoms: No symptoms expected.

Hazards not otherwise specified: None Known

0% of the Article consists of ingredient(s) of unknown acute toxicity

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 ARTICLES

Comments:

This Article does not meet the criteria for classification according to OSHA Hazard Communication Standard 2012 (HCS 2012) 1900.1200.

Material	CAS No.	Weight %*
Components below reportable levels	--	100%

SECTION 4: FIRST-AID MEASURES

4.1 DESCRIPTION OF THE FIRST AID MEASURES

General information: Ensure that medical personnel are aware of the materials(s) involved, and take precautions to protect themselves.

Inhalation: First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, move person to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

Skin contact: First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. Wash skin with soap and water. If signs/symptoms develop, get medical attention.

Eye contact: First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If contact with material occurs flush eyes with water. If signs/symptoms develop, get medical attention.

Ingestion: First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, get medical attention.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, get medical attention.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENTS NEEDED

Note to physicians: All treatments should be based on observed signs and symptoms of distress

in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Specific treatments: In case of accident or if you feel unwell, seek medical advice (show the label or SDS where possible).

SECTION 5: FIRE-FIGHTING MEASURES**5.1 EXTINGUISHING MEDIA**

General hazards: No unusual fire or explosion hazard.
Suitable extinguishing media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂)
Unsuitable extinguishing media: Do not use water jet as an extinguisher as this will spread the fire.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR ARTICLE

Specific hazards: During fire, gases hazardous to health may be formed.
Products of combustion: May include, and are not limited to: oxides of carbon.

5.3 Special protective equipment and precautions for fire-fighters (PPE)

Special protective equipment for fire-fighters:
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Special fire-fighting procedures: Keep upwind of fire. Move containers from fire area if you can do it without risk.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY**

PROCEDURES For personal protection, see Section 8 of this SDS.

6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING - UP

Methods for containment: Not applicable.
Methods for cleaning-up: Not applicable.
Large spills: Not applicable.
Small spills: Not applicable.
Environmental precautions: Not applicable.

SECTION 7: HANDLING AND STORAGE**7.1 PRECAUTIONS FOR SAFE HANDLING**

Precautions for Safe handling: Observe good industrial hygiene practices.
General hygiene advice: Ensure that medical personnel are aware of the materials(s) involved, and take precautions to protect themselves.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Safe storage: Store in original, unopened packaging protected from the weather.
Specific use: Construction, Roofing
Technical measures: No specific recommendations.
Incompatible materials: None known.
Safe packaging material: No specific recommendations.
Precautions: Use personal protective recommended in Section 8 of the SDS.
Safe handling advice: Observe good industrial hygiene practices.
Suitable storage conditions: Store away from incompatible materials. No specific recommendations.
Handling-technical Store in original, unopened Provide adequate ventilation.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: Follow standard monitoring procedures.

Exposure limits: No exposure limits/guidelines available for the material or the components.

8.2 EXPOSURE CONTROLS

Engineering measures to reduce exposure: Under normal conditions of use, special ventilation is not required.

8.3 INDIVIDUAL PROTECTIVE MEASURES

General: Use personal protective equipment as required.

Eye protection: Under normal conditions of use, eye protection is not required. If contact is likely, safety glasses with side shields are recommended.

Hand protection: No skin protection is ordinarily required under normal conditions of use.

Respiratory protection: No respiratory protection is required under normal conditions of use.

Skin and body protection: Wear suitable protective clothing.

Hygiene measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

Environmental exposure controls: Follow best practice for site management and disposal of waste.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	In roll
Physical State:	Solid/Article
Flammability (solid, gaseous):	Not Flammable

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2 CHEMICAL STABILITY

Chemical stability: Material is stable under normal conditions.

Materials to avoid: The product is stable and non-reactive under normal conditions of use, storage and transport.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Hazardous reactions: No dangerous reaction known under conditions of normal use.

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10.4 CONDITIONS TO AVOID

Store in a cool, dry, well-ventilated place.

10.5 INCOMPATIBLE MATERIALS

Not applicable

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous decomposition products: No hazardous decomposition products are known.

Hazardous polymerization: Does not occur.

Other information: Not applicable.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity: This material is an article that does not release or otherwise result in exposure to a hazardous chemical under normal use. The information provided below is for components only and is not expected to be applicable to the material as a whole.

LD50/LC50 values relevant to this classification: None

11.2 DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT- AND LONG-TERM EXPOSURE

Skin corrosion/irritation: Not relevant
Serious eye damage/irritation: Not relevant.
Respiratory sensitization: Not relevant.
Skin sensitization: Not relevant.
Symptoms and target organs: Not relevant.
Chronic health effects: No chronic health effects known.
Carcinogenicity: This product is not classified as a carcinogen.
Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive Toxicity: This product is not expected to cause reproductive or developmental effects.
Specific Target Organ Toxicity (STOT):
Single Exposure: Not classified as an STOT - Single Exposure.
Repeated Exposure: Not classified as an STOT - Repeated Exposure.
Aspiration Toxicity: Not relevant.
Other Information: Not applicable.

SECTION 12: ECOLOGICAL INFORMATION

12.1 ECOTOXICITY

Ecotoxicity: Under normal conditions of use, no effects are expected.

12.2 PERSISTENCE AND DEGRADABILITY

Persistence/biodegradability: The product contains substances which are not expected to be readily biodegradable.

12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulation: No data available.

12.4 MOBILITY

Mobility: No data available.
Mobility in soil: No data available.
Mobility in non-soil: No data available.

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12.5 OTHER ADVERSE EFFECTS

Ozone layer: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Disposal method: This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Contaminated packaging: Not relevant.

EU codes: The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Residual waste: Dispose of in accordance with local regulations.

Disposal instructions: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Waste codes: The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Other disposal recommendations: None

SECTION 14: TRANSPORT INFORMATION

DOT

Not classified as Dangerous Goods for Transport

IMO/IMDG

Not classified as Dangerous Goods for Transport

ICAO/IATA

Not classified as Dangerous Goods for Transport

Reportable quantity: Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/ LEGISLATIONS SPECIFIC

FOR THE CHEMICAL US Federal Regulations:

U.S. OSHA (Occupational Safety and Health Administration) Specifically Regulated Substances (29 CFR 1910.1001-1050)

No components of this product are present at concentration greater than or equal to 0.1% and are identified as a carcinogen or potential carcinogen by OSHA.

SARA/CERCLA reporting requirements:

No components of this product are found at concentrations greater than or equal to 0.1% and are subject to the SARA/CERCLA reporting requirements.

State Right-to-Know Regulations

No components of this product are found at concentrations greater than or equal to 0.1% and are subject to state Right-to-Know reporting requirements.

EU - REACH Status:

A registration number is not available for substances in this Article as the substances are exempted from registration or the annual tonnage does not require a registration.

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HAZARD	CATEGOR
This material is an article Not Classified	

CANADA – WHMIS (Workplace Hazardous Materials Information System) Classification (GHS):

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MEXICO (GHS):

HAZARD	CATEGOR
This material is an article Not Classified	

Carcinogen Status: No data available.

SECTION 16: OTHER

INFORMATION HMIS (Hazardous Materials Identification System)

rating:

Health:	0
Flammability:	0
Physical:	0

NFPA 704 (National Fire Protection Association) rating:

Health	0
Fire	0
Reactivity	0

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End of Safety Data Sheet