

MSDS SAM 920-921

Self Adhesive, Bituminous Waterproofing Membrane

1. PRODUCT & COMPANY

Product: Self adhesive, bituminous waterproofing membrane

Description of goods: a self-adhesive, bituminous membrane lined with cross laminated, high density polyethylene film, oriented to give optimum strength to the membrane.

Manufacturer name: Beijing Oriental Yuhong Waterproof Technology Co.,Ltd

Address: Shunping South Road, Yangzhen Zengzhuang Shunyi District of Beijing

Post Code: 101309

Tel: 010-61441089 61442502

Fax No.: 010-61441944

2. CHEMICAL INGREDIENTS

Ingredient	CAS#	Percent (max)
Distillate Solvent Extract	064742-04-7	10-25
Petroleum Asphalt	008052-42-4	50-100
Styrene-Butadiene block copolymer	009003-55-8	10-25

3. DESCRIPTION OF HAZARD

Emergency Overview:

Warning!

Eye contact with rubberized asphalt residue on hands can cause irritation.

Skin contact with rubberized asphalt can cause irritation.

May be harmful if ingested.

May be harmful if absorbed through skin.

May cause teratogenic effects.

May produce local skin tumors.

Removal of release liner may generate a static electrical discharge (spark).

Release liners are slippery. Remove from work area immediately.

HMIS Rating:

Health:	2*
Flammability:	1
Reactivity:	0
Personal Protective Equipment:	B (See Section 8)

Potential Health Effects:

Inhalation: Due to the physical nature of this product, inhalation is unlikely.

If heated, inhalation of vapor causes irritation, sore throat, coughing and breathing difficulty.

Effects include: Nausea, headache, dizziness and irritation.

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Eye Contact: Eye contact with rubberized asphalt residue on hands can cause irritation

Skin Contact: Skin contact causes irritation.

Prolonged skin contact can result in dermatitis.

Contact with petroleum oils in this product, may produce serious toxic effects including skin cancer, liver damage, blood effects and effects on the unborn based on tests with laboratory animals. Animal tests indicate that prolonged and repeated skin contact to the oils in this product may produce local skin tumors.

Individuals with pre-existing skin disorders may be at increased risk for worsening their condition from exposure to this product.

Skin Absorption: Product can be absorbed through the skin upon prolonged contact resulting in systemic effects such as nausea, headache, and general discomfort.

Ingestion: Due to the physical nature of this product, ingestion is unlikely.

If ingested, causes burns to the linings of the mouth, esophagus and stomach.

Effects include: Nausea, vomiting and diarrhea.

Wash hands before eating.

4. EMERGENCY & FIRST AID PROCEDURES

Skin Contact: In case of skin contact, clean fingernails and wash skin with soap and water. If residue remains, clean with waterless hand-cream or abrasive soap. Never use solvents.

If discomfort or irritation persists, consult a physician.

Remove contaminated clothing and wash before reuse.

Eye Contact: Flush eyes with water for at least 15 minutes while holding eyelids open.

Get immediate medical attention.

Ingestion: If swallowed, contact a physician immediately.

Never give anything by mouth to an unconscious person.

The decision to induce vomiting should only be made by a physician.

Inhalation: If symptoms develop, get fresh air. If symptoms persist, consult a physician.

If breathing has stopped, give artificial respiration then oxygen if needed.

Get immediate medical attention.

5. FIRE AND EXPLOSION HAZARD DATA

Flash Point:	>210°C (>410F)
Flash Point Method:	Open Cup
Lower Explosion Limit:	Not Available
Upper Explosion Limit:	Not Available
Auto-Ignition Temperature:	Not Available

NFPA Rating:

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Health:	1
Flammability:	1
Reactivity:	0

Extinguishing Media: In case of fire, use water spray, dry chemical, Carbon dioxide or foam.

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and complete personal protective equipment when potential for exposure to vapors or products of combustion exist. Avoid breathing hazardous vapors or products of combustion, keep upwind. Isolate area and keep unnecessary people away. Prevent run-off from fire control or dilution from entering streams or drinking water supplies.

Unusual Fire and Explosion Hazards: None unless noted below.

Removal of release paper may create a static electric discharge (sparks). Do not remove where sparks may ignite flammable vapors.

6. ACCIDENTAL RELEASE MEASURES

Spills/Leaks: Due to the physical nature of this product, spills are not possible.

7. HANDLING AND STORAGE

Precautionary Measures: Avoid contact with eyes, skin and clothing.

Practice good personal hygiene to avoid ingestion.

Use only with adequate ventilation.

Wash clothing before reuse.

Slippery when wet or covered with frost.

Do not apply where membrane odors may penetrate living areas.

To avoid skin contact, use gloves or barrier creams. Promptly cleanse hands with waterless hand cleaner, clean fingernails and wash with soap and water after handling.

Release liners are slippery. Remove from work area immediately after membrane application.

Consistent with good roofing practice, always wear fall protection when working on roof decks.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT EXPOSURE GUIDELINES

Employers should consult local Provincial regulatory limits for exposure guidelines, which may vary locally.

Engineering Controls: Not generally required.

Personal Protective Equipment:

Respiratory Protection: Respiratory protection is not generally required. If exposure limits are exceeded, wear approved respiratory protection.

Skin Protection: Use oil impervious gloves to avoid prolonged or repeated contact with rubberized

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asphalt residue.

Eye Protection: Not required for normal use.

Work/Hygienic Practices: Use good personal hygiene practices.

Avoid rubbing eyes while handling. Due to the physical nature of this product, ingestion is unlikely. Incidental ingestion of residue on hands can be avoided by using good personal hygiene practices. This product contains compounds subject to exposure guidelines and/or identified as carcinogens. (See Sections 8 and 11). However, due to the physical nature of this product, these compounds are unlikely to reach exposure limits unless airborne dust or spray mist is created. To avoid skin contact, wear recommended gloves (see skin protection recommendation) and wash with soap and water after handling. Intermittent or occasional skin contact with petroleum asphalt is not expected to have serious health effects as long as good personal hygiene measures are taken. Promptly cleanse with waterless hand cleaner, clean fingernails and wash with soap and water after handling. All employees working with this product must exercise good and prudent personal hygiene practices.

Liquid may be irritating to the skin and may be capable of causing allergic skin reactions.

9. Physical & Chemical Data

Physical State: Appearance/Odor:	Solid sheet A black, rubberized asphalt adhesive layer on a grey/black plastic sheet with a paper or plastic release sheet. Petroleum odor.
Odor Threshold: (ppm)	Unknown
pH:	Not Applicable
Vapor Pressure: (Mm Hg)	Not Applicable
Vapor Density: (Air = 1)	Not Applicable
Solubility In Water: Specific Gravity: (Water = 1)	Negligible 1.0 - 1.1
Evaporation Rate: (Butyl Acetate = 1)	Not Applicable
Boiling Point:	Not Applicable
Viscosity:	Not Available
Bulk Density: (Pounds/Cubic Foot)(Pcf)	~70
% Volatiles (gr/L): (70°F) 21°C	Negligible

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable
Conditions To Avoid:	Heat, Oxidizing materials, Strong oxidizers and Water.
Hazardous Polymerization:	Will not polymerize.
Hazardous Decomposition	Carbon dioxide, Carbon monoxide, Sulfur oxides and Low
Products:	molecular weight hydrocarbons.

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11. TOXICOLOGICAL INFORMATION

Animal tests indicate that prolonged and repeated skin contact with the asphalt in this product may produce local skin tumors.

Mutagenicity:	Not applicable.
Teratogenicity:	Petroleum oils in this product have caused effects on the unborn based on tests with laboratory animals.
Reproductive Toxicity:	Not applicable.

12. ECOLOGICAL INFORMATION

Environmental Fate: No data available for product.

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Ecotoxicity: No data available for product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Procedures: Consult all regulations (federal, state, provincial, local) or a qualified waste disposal firm when characterizing waste for disposal. According to EPA (40 CFR § 261), waste of this product is not defined as hazardous. Dispose of waste in accordance with all applicable regulations.

14. TRANSPORTATION INFORMATION

Proper Shipping Name:	Not Applicable
UN/NA Number:	Not Applicable
Domestic Hazard Class:	Nonhazardous
Surface Freight Classification:	Asphalt Mixture, N.O.I.B.N.
Label/Placard Required:	Not Applicable

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16. LAW INFORMATION

National law

《Hazard Chemicals Safety Statute》 (Enforced from 16th March, 2002) which stipulated the procedures such as production , stock, transportation, discharge of hazard chemicals.

17. OTHER DATA

This MSDS only fit the appointed substance; maybe not fit the condition which mixes with other materials. All the data is on the basis of the knowledge and experience in existence, This MSDS only be used in depicting safety rules of products and not assure the product's character.