

# MSDS

## Tyre Reclaim Rubber/ Ethylene Propylene Rubber

### Section 1 : Product & Company Identification

**Product Name:** TYRE Reclaimed Rubber and EPDM

**Manufacturer:** Yantai Antai Rubber CO., LTD

**Telephone:** 86-532-88700000

### Section 2 : Composition / Information on Ingredients

Composition one : 70%

Name: Environment-friendly refined tyre reclaimed

- Polymers content: about 50-60%
- Carbon Black: 20-25%
- Filler: 8-12%

Composition two: 30%

Name: EPDM

- Ethylene-ethylidenenorbornene-propylene terpolymer: 35%
- Ethylene-propylene copolymer : 35%
- Polyalkylbenzene: 15%
- Carbon black: 15%

### Section 3 : Hazards Identification

**Dangerous Level:** Burnable solid.

**Health Hazards:** The product is not hazardous to health or the environment according to EC criteria.

### Section 4 : First AID Measures

**Eye Contact:** Do not rub eyes, which may cause particles to scratch the eye. Immediately flush contaminated eye(s) with lukewarm, gently running water for at least 5-15 minutes while holding the eye lid(s) open. Take care not to rinse Contaminated water into non-affected eye. Neutral saline solution may be used for flushing if available. If eye irritation persists, transport victim to medical facility.

**Ingestion:** Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or is convulsing. Since the effect if ingestion of rubber has not been determined, only seek immediate medical help if large quantities have been ingested.

**Other First Aid:** If ignited by open flame, this product will burn causing the release of toxic and irritating smoke. Smoke may contain noxious compounds and acrid compounds of sulphur. During

fire conditions, smoke is irritating to the eyes and respiratory tract. Powder or dust may form explosive concentrations when mixed in sufficient quantities of air.

## Section 5 : Fire Fighting Measures

**Hazardous characteristics:** flammable and have risk when met a fire

**Flashpoint:** Not Applicable

**Auto ignition temperature:** Unknown

**Special Protective Equipment:** Wear full protective equipment with self-contained breathing apparatus.

## Section 6 : Spill Contingency

**Emergency measures:** Shovel up and place in a container for salvage or disposal.

## Section 7 : Handling and Storage

**Handling:** Handling Precautions: operators wear masks, gloves and other PPE, no other special operating requirements.

**Storage:** keep it away from acid, alkali, oil and other substances affecting the quality of product.

## Section 8 : Exposure Controls / Personal Protection

**Ventilation:** Ventilation or exhaust systems may be required to minimizing exposures.

**Respiratory Protection:** It may be required to minimize exposures to vapors or gases.

**Eye Protection:** Is required such as wearing glasses with side shields. The wearing of contact lenses is not recommended.

**Hand Protection:** Use gloves and avoid contact with skin.

**Other Protection:** It suggested that a source of clean water is to be available in work for flushing eyes and skin. Under normal conditions of use, respiratory protection is not necessary. If dusting is an Occurrence during processing, then use of a particulate respirator is recommended.

## Section 9 : Physical and Chemical Property

**Uses:** mainly used for the goods inside and outside the tire, bridge bearings, belt, water stop, shoes, hose, cable skin both inside and outside and other kinds of rubber products which human body is not in direct contact.

**Solubility:** insoluble in water, soluble in alcohol, ether, acetone, chloroform and other organic solvents.

## Section 10 : Stability and Reactivity

- Stability: State
- Mix Prohibited Materials: strong acid, alkali, organic
- Polymerization Hazard: The non-aggregate.
- Conditions Avoided: fire, heat.
- Decomposition Products: carbon monoxide, carbon dioxide.

## Section 11 : Toxicological Information

- Acute toxicity:

- LD50: not available.
- LC50: not available.
- Stimulate resistance: not available.
- Mutagenicity: not available.
- To Cancer: not available.

## Section 12 : Ecological Information

- Ecotoxicity: not available.
- Biodegradation: not available.
- Non-biodegradable: not available
- Other harmful effects: harmful to the environment, special attention should be on surface water, soil, air pollution.

## Section 13 : Disposal Consideration

- **Waste Disposal:**
- Waste characteristics:
- Hazardous waste ( ) Industrial solid waste (✓)
- Waste Disposal Method: suggested mixing recycled.
- Waste Note: No special requirements

## Section 14 : Transport Information

- UN No.: Not available
- Packaging Flag: flammable solids.
- Packing Type: Bag
- Packing: According to customer requirements, no special requirements, the company uses plastic film packaging

## Section 15 : Regulatory Information

Not available