

Material Safety Data Sheet

Hi-Tensile Reclaimed Rubber

May 2021



SECTION 1: Product & Company Identification

Product Name:	Hi-Tensile Reclaimed Rubber
Product Use:	Tyre, Tread, Hose Pipes, Conveyor Belts etc.
Manufacturer Name:	Tinna Rubber and Infrastructure Limited
Address:	No-6 Sultanpur, Mandi Road, New Delhi-30
General Phone Number:	011- 4951 8570 / 8530
General Fax Number:	011-26807073
MSDS Issue Date:	10th October, 2020
MSDS Revision Date:	12th November 2020

Section 2: Composition/Information on Ingredients

Chemical	Concentration	CAS No.
Polymer Content	48-52%	9006-04-6
Naphthenic Oil	0-2%	64742-52-5
Rest Carbon Black	26-32%	1333-86-4
Precipitated Silica	0-3%	7631-86-9
Zinc Oxide	< 2.5%	1314-13-2
Stearic Acid	1%	57-11-4
MC Wax	1-2%	8002-74-2

Note L: The Classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 "Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions - Dimethyl sulphoxide extraction refractive index method", Institute of Petroleum London. This note applies only to certain complex oil-derived substances in part 3. Based on available data, the classification criteria are not met.

Section 3: Hazards Identification

This Product is not hazardous to health & environment but a little care is required due to Zinc oxide.

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.

Skin Contact: Wash skin gently with soap and water to remove dust. If irritation occurs and/or persists, seek medical attention.

Inhalation: Remove to fresh air. Drink water to clear throat. Blow nose to remove dust.

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 excessive heat or 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

Conditions of Flammability: Will burn when exposed to excessive heat or flame.

Extinguishing Media: Carbon dioxide, water, foam and dry chemical.

Flashpoint: Not Applicable

Auto ignition Temperature: 370-450 deg. C

Protective Equipment: All extinguishing media permitted, water recommended. Full emergency equipment with self-contained breathing apparatus must be worn. During combustion, irritating and/or toxic gases and aerosols from decomposition products may be present. Fight fire from up-wind.

Sensitivity To Impact or Static Discharge: Not sensitive

Hazardous Combustion Products: Unidentified hydrocarbons in smoke, oxides of sulphur and carbon.

Section 6: Accidental Release Measures

Personnel Precautions: Use proper personal protective equipment as listed in section 8.

Spill Cleanup Measures: Release of powdered rubber into the environment may cause particulate to form an explosive mixture in air. If release of ground rubber results in the formation of dust, remove all sources of heat and ignition. Provide immediate and plentiful ventilation. Contain spilled material for disposal or recycling. If sweeping is necessary, use dust suppression such as water. Do not dry sweep dust accumulation or use compressed air for cleanup. Material may be reused in process if clean, otherwise collect in approved containers and dispose according to the requirements in section 13.

Section 7: Handling and Storage

Handling: No Special Precautions Necessary

Storage: Store in a cool dry place below 60 C away from sources of heat or ignition.

Section 8: Exposure Controls, Personal Protection Exposure Guidelines

Engineering Controls: Use general or local exhaust ventilation to maintain exposure below the exposure limits. If heated during processing, provide adequate non-sparking ventilation to minimize fumes in the workplace.

Personal Protective Equipment: As supplied, the extender oil is bound in a polymer matrix and exposure to skin would only be trace quantities or less. If prolonged contact is involved, care should be taken to minimize exposure by preventing contact with skin. Wear loose fitting clothing that covers exposed areas. Frequent washing of exposed areas is recommended. Eye protection is required such as safety glasses with side shields. The wearing of contact lenses is not recommended. Footwear as required by worksite rules, but impervious. Have a safety shower and eyewash station readily available in the immediate work area.

Respiratory Protection: 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 Properties

Physical State: Tacky, solid & Soft

Odour And Appearance: Reclaimed Rubber & Black

Odour Threshold: Not determined

Boiling Point: Not applicable

Evaporation Rate: Not applicable

Melting Point: Not available

Freezing Point: Not applicable

Vapur Density: Not applicable

Vapor Pressure: Not applicable

PH: Not applicable

Flash Point: Not Applicable

Volatility (% by volume): Not applicable

Coefficient of Water to Oil distribution: Insoluble in water, partially soluble in acetone

Section 10: Stability and Reactivity

Chemical Stability: Yes

Hazardous Polymerization: Will not occur

Conditions of Chemical Instability: Avoid strong oxidizing agents.

Incompatible Substances: Avoid strong oxidizing agents.

Special Decomposition Products: Decompose above 200 C store at temperature below 60 C in the presence of carbon monoxide, carbon dioxide.

Section 11: Toxicological Information

No data available particularly for this product. However, evidence after many uses suggest that it does not require classification under EC law.

Section 12: Ecological Information

Eco toxicity: Not Available

No hazardous: Solid material insoluble in water. Biological degradation resistant

Section 13: Disposal Considerations

Waste Disposal: Place used and contaminated material and packaging into suitable containers. Review and follow all local, and national regulations before disposal.

Section 14: Transport Information

Not classified as hazardous according to ADR, RID/IMDG/IMDG/ICAO/ADN.

Section 15: Regulatory Information

EC label: Not classified

Section 16: Additional Information

Disclaimer: This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly supplied this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the plant office whose address is at the top of this data sheet.

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