

**HDPE TWINES****GARWARE WALL
ROPES LTD**

Material Safety Data Sheet

1. Identification of the substance/preparation and of the Company/Undertaking

Product Name:	HDPE TWINES
Company Identification:	Garware Wall Ropes Ltd, Plot No. C-1, MIDC Wai, Dist.-Satara Pin-412 803, Maharashtra, India
Telephone:	+91 2167 308301
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E-mail:	wai_admin@garwareropes.com
Emergency Telephone Number:	+91 2167 308300
Use of substance / Preparation:	Twines for fishing purpose only.

2. Hazards Identification:

This product is not classified as dangerous for supply & use. The preparation does not meet the criteria for classification in accordance with Directive 1999/45/EC and Directive 1272/2008/EC

3. Composition / Information on Ingredients:

HDPE Granules CAS No.: 9002-88-4; 92 to 100 %

Organic and/or inorganic pigment: 0 to 3 %

Additives: 0 to 5%

HAZARDOUS INGREDIENTS	%WW	CAS NO.	EC NO.	EC CLASSIFICATION
None				

4. First Aid Measures:

4.1 Inhalation:	If symptoms are experienced, move the victim to fresh air. Obtain medical attention if breathing difficulty persists.
4.2 Skin Contact:	If molten material contacts the skin, immediately flush with large amount of water to cool the affected tissues and polymer. Do not attempt to peel the polymer from skin. Obtain immediately emergency medical attention if burns is deep or extensive.
4.3 Eye Contact:	Flush eyes thoroughly with water for several minutes and seek medical attention if discomfort persists.
4.4 Ingestion:	Adverse health effects due to ingestion are not anticipated.
4.5 Further Medical Treatment:	Unlikely to be required but if necessary treat symptomatically.

5. Fire - Fighting Measures:

5.1 Extinguishing Media	As appropriate for surrounding fire. Extinguish preferably with foam, carbon dioxide or dry
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	chemical.
5.2 Unsuitable Extinguishing Media	Do not use water jet or water spray.
5.3 Fire Fighting Protective Equipment	A self-contained breathing apparatus & suitable protective clothing should be worn in fire conditions.
5.4 Hazardous Decomposition Product(s)	Combustion or thermal decomposition will evolve toxic and irritant vapours.
5.5 Other	Can melt and burn in a fire. Molten material tends to flow or drip and will Propagate fire.
6. Accidental Release Measures:	
Accidental dispersion/spill:	Collect material for controlled re-use or waste disposal. No special safety risks or risks to the environment. Refer to section 13 for disposal information.
7. Handling & Storage:	
7.1 Handling	Control dust formation. Do not eat, drink or smoke at the work place. Wash face and hands before eating, drinking or smoking. Will accumulate static charges that may cause an electric spark (ignition source). Take precautionary measures against static discharges.
7.2 Storage	Keep away from direct sources of ignition or heat. Keep in dry, cool, well ventilated area
Storage Temperature:	Ambient.
Storage Life:	Stable at ambient temperature
Specific use:	Twines for fishing purpose only.
8. Exposure Control/ Personal Protection:	
Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures.	
OCCUPATIONAL EXPOSURE LIMITS	
High Density Polyethylene- CAS No- 9002-88-4 - No Occupational Exposure Limit assigned.	
8.1 Respirators	No special requirements. Provide adequate ventilation, including appropriate local extraction if dusts, fumes or vapours are likely to be evolved. Where engineering controls are not fitted or inadequate wear suitable respiratory protective equipment.
8.2 Eye Protection	Suitable eye protection is recommended.
8.3 Gloves	Wear suitable gloves if prolonged skin contact is likely. When dealing with hot material: Insulating gloves EN 407 (Heat).
8.4 Other	Protective working garments (e.g. safety shoes long sleeved protective working garments). Contaminated clothing should be thoroughly cleaned.



HDPE TWINES

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9. Physical/Chemical Properties:				
Form:	Solid	Specific Gravity (H2O = 1)		Low: 0.92, High: 0.97
Boiling Point	N/A	Decomposition Temperature:		>300° C
Vapor Pressure (mm Hg)	N/A	Melting Point		Low: 100° C High: 120° C
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)		N/A
Solubility in Water (at 30° C):	Insoluble	Ph value:		N/A
Odor:	Odorless	Oxidizing properties		None
Flash Point (Method Used):	>300° C	Flammability:	LFL: N/A	UFL: N/A
Explosive Properties:		Not explosive. Unlikely to represent a dust hazard under normal handling conditions.		
10. Stability & Reactivity:				
10.1 Chemical Stability		Stable under normal conditions. Decomposes at temperatures above 300°C		
10.2 Conditions to avoid		Heat and direct sunlight.		
10.3 Materials to avoid		Direct contact with open flames, self-igniting and explosive materials.		
10.4 Hazardous Decomposition Product(s)		Carbon monoxide, Carbon dioxide, Hydrocarbons and Acrid smoke		
11. Toxicological Information:				
Low toxicity under normal conditions of handling and use				
11.1 Ingestion		Low oral toxicity. High Density Polyethylene: LD50 (rat): >5000 mg/kg		
11.2 Inhalation		Low acute toxicity. Dusts and vapours or fumes evolved during thermal processing may cause irritation to the respiratory system.		
11.3 Skin Contact		No evidence of irritant effects from normal handling and use.		
11.4 Eye Contact		Dust may have irritant effect on eyes. Permanent damage is unlikely.		
11.5 Long Term Exposure		Chronic effects are unlikely.		
12. Ecological Information:				
12.1 Environmental fate & distribution: Solid insoluble in water. Floats on water. The product has low mobility in soil.				
12.2 Persistence and Degradation: The product is non-biodegradable.				
12.3 Toxicity: Low toxicity to aquatic organisms.				
12.4 Effect on Effluent Treatment: Unlikely to affect biological treatment processes.				



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13. Disposal Considerations:
13.1 Regulatory information: Do not allow entering drains, sewers or watercourses. Disposal should be in accordance with local, state or national legislation.
13.2 Recommended: For unused & uncontaminated product, including packing material preferred options are sending to a licensed recycler, reclaimer, incinerator or other thermal distribution device.
14. Transport Information:
International Transport Regulations: Not classified as dangerous for transport UN No.: Road/Rail (ADR/RID): Not applicable. Class/Packing Group: Not applicable. IMDG Class: Not applicable. ICAO/IATA Class: Not applicable.
15. Regulatory Information:
EC Classification: Not classified as dangerous for supply/use. Hazard Symbol: Not applicable. Risk Phrases: Not applicable. Safety Phrases: Not applicable.
16. Other Information:
<p>This Material Safety Data Sheet was prepared in accordance with Directive 2001/58/EC and EC Regulation (EC) No.1907/2006. This Material Safety Data Sheet and the health, safety and environmental information it contains are intended to provide a summary of our knowledge and guidance regarding use of the designated Product. Its contents are offered in good faith as accurate and complete as of the date specified below, but without guarantee. The data herein applies only to the Product sold by entities of the Garware Wall Ropes LTD group and not to products sold by others. It relates only to the Product and does not relate to its use in combination with any other product or material or in any process. Local laws and regulations and conditions of use and suitability of the product for particular uses are beyond the control of Garware; all risks of use, storage, handling, transportation and disposal of the Product are therefore assumed by the user and Garware expressly disclaims all warranties of every kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the Product. Garware shall not be responsible for any damage or injury resulting from abnormal use of the Product, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the Product.</p> <p>Appropriate warnings and safe handling procedures should be provided to all handlers and users. In the case of a user in the European Union, as per Article 34 of REACH Regulation (EC) No. 1907/2006, user shall communicate to Garware any new information on hazardous properties of the Product and/or new information relevant to risk management measures for the identified uses. Alteration or re-publication of this document in whole or part is strictly prohibited.</p> <p>Date of issue: Jan 2018</p>