



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Supplier's details:

Supplier: Global Resources International, Inc.
Address (USA) : 4142 Industry Way Flowery Branch, GA 30542
Tel: (678) 866-0550
Fax: (678) 866-0551
Address (China): 1805 North Honggao Rd. Xiuzhou Industry Zone,
Jiaxing, Zhejiang, 314001
Tel: (86)573-83916501
Fax: (86)573-83926520
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Product Name: GRI PVA FABRIC
Classification: Polyvinyl alcohol

Chemical Name Polyvinyl Alcohol
100%
Chemical Formula $(C_2H_4O)_n$
Registration No.: 6-682
CAS. Number: 9002-89-5
UN Number: Not Registered

3. HAZARDS IDENTIFICATION

Physical and Chemical Hazard: Non-hazardous solid
Adverse Human Health Hazard: Not harmful when used as prescribed

4. FIRST AID MEASURES

Eye Contact: Rinse thoroughly with water
Skin Contact: Rinse thoroughly with water
Inhalation: N/A
Ingestion: If fabric is swallowed induce vomiting, contact a physician

5. FIRE-FIGHTING MEASURES

Specific Hazards with regard to fire-fighting measures: In case of fire, use water spray, foam, dry chemical powder or carbon dioxide.

Extinguishing media: Water, foam, dry chemical powder, carbon dioxide

Special protective equipment for fire-fighters: Wear suitable protective equipment for firefighting as black smoke and carbon monoxide gas is generated by heat and incomplete combustion. Quickly relocate movable containers to a safe place. Wear suitable protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	No special precautions required
Environmental precautions:	Properly disposed material does not present an environmental hazard.
Method for cleaning up	Gather up, by sweeping or vacuuming and dispose.

7. HANDLING AND STORAGE

Handling:	Handle the film with care, do not use hooks, knives, or drag the material
Storage condition	Store the product in clean, nontoxic, moisture-proof inner packaging. Keep away from direct heat sources. Recommended storage temperature: 5°C~50°C, humidity: 25%~75%.
Precautions for storage place	No special precautions required.
Precautions	Avoid accidental contact with hot water as the product is hot water soluble.

8. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White Fabric
Boiling Point:	Not Applicable
Melting Point:	150-230°C
Density:	1.1~1.3
Specific Heat:	1.9×10E3J/kg·°C (0.45kcal/kg·°C)
Combustion Heat:	1.1×10E5J/mol (5700kcal/kg)
Solubility in Water:	Soluble

9. EXPOSURE CONTROLS / PERSONAL PROTECTION

Flash Point:	>200°C
Auto ignition Temperature:	>400°C
Explosion Limit:	Not Applicable
Flammability:	Slight
Spontaneous Combustibility:	Not Applicable
Self-Reactivity:	Not Applicable

10. STABILITY AND REACTIVITY

Conditions to avoid: Keep away from heat, moisture, water and sources of ignition.

Materials to avoid: Free radical generators, Peroxides, Strong oxidizing agents.

Further information: The product is stable in normal temperature conditions.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	(A)LD ₅₀ (Rat, Oral)>2,000mg/kg; LD ₅₀ (Rat, Dermal)>2,000mg/kg (B)LD ₅₀ (Rat, Oral) 27,500mg/kg
Chronic:	(A) Recognized hypertrophy of the rat heart, kidney and liver
Carcinogenic:	Not available
Mutagenic:	Not available

12. ECOLOGICAL INFORMATION

Biodegradability: Degraded by activated sludge with Pseudomonas 0-3

13. DISPOSAL PROCEDURE

May be disposed as regular waste unless contaminated with hazardous materials. If dissolved can be degraded by activated sludge with Pseudomonas 0-3.

14. TRANSPORT INFORMATION

Do not handle the film with sharp objects. Do not drop or drag material. Ensure film is not exposed to rain or snow.

15. RULES AND REGULATION

Not classified as hazardous material.

16. OTHER INFORMATION

Since the user's working conditions are not known by us. The information supplied on this safety data sheet is based on our current level of knowledge and community regulations. The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties.