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**SAN RESIN**

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

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Product name : KUMHO SAN-335  
Generic name : SAN(Styrene-Acrylonirile Copolymer)  
Chemical product name : Styrene-Acrylonitrile Copolymer  
CAS No. : 9003-54-7  
Supplier's name : Korea Kumho Petrochemical Co., Ltd.  
Supplier's address : 15, 16Fl. Kumho Bldg., 57, Shinmun-Ro  
Chongnno-Ku, Seoul 110-061 Korea  
Contact : Tel. 052-279-8813 Fax 052-279-8709  
Emergency Telephone : 02-6303-3314 ( Head Office )

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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

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Styrene CAS No. 100-42-5  
Acrylonitrile CAS No. 107-13-1  
Wax CAS No. 110-30-5

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**3. HAZARDS IDENTIFICATION**

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Physical/chemical hazards : Not classified as dangerous substance  
Environmental hazards : See section 11 and 12  
Symptom(s) of  
(over )exposure

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Inhalation	: Irritation
Ingestion	: No hazards
Skin contact	: No effects
Eye contact	: Irritation

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**4. FIRST-AID MEASURES**

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Ingestion	: Rinse mouth with water to remove dust, and drink Plenty of water to help reduce the irritation
Inhalation	: Remove to fresh air. Drink water to clear throat, And blow nose to remove dust.
Skin contact	: Wash off in flowing water or shower
Eye contact	: Flush eyes with large amounts of water for 5 ~ 15 Minutes. If irritation persists, contact a physician

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**5. FIRE-FIGHTING MEASURES**

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Summary	: Normal fire fighting procedures should be followed To avoid inhalation of smoke and gases
Unusual Fire/Explosion Hazards :	
Extinguishing Media	: Carbon dioxide, dry chemical, or foam
Flammable Properties and	
Explosive Limits	: Flash point : 350
	Flame classification : Not determined
	Flame propagation : Not determined





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Lower Explosive Limit ( LEL ) : Not determined

Upper Explosive Limit ( UEL ) : Not determined

Autoignition Temperature : 455

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**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions : Not applicable  
Environmental precautions : Not applicable  
Methods for cleaning up : Not applicable

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**7. HANDLING AND STORAGE**

Handling : Avoid heat  
Storage : Store in a dry, cool place, away from excessive heat

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Summary : Protective equipment should be provided as  
Necessary to prevent irritation to the respiratory  
Tract, eyes and skin.  
Eyes : Safety goggles, Dust-goggles or full-face dust-mask  
Skin and body : Usual working clothing  
Hands : Cotton gloves  
Respiratory : A respirator should be used if ventilation is  
Unavailable.





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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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Appearance	: Pellets
Odor	: No odor
Boiling point	: Not applicable
Vapor pressure	: Not applicable
Vapor density	: Not applicable
Solubility in water	: Insoluble
Specific gravity	: 1.04 – 1.07
Melting point	: 180 – 200
Evaporation rate	: Not applicable
Water reactive	: None

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**10. STABILITY AND REACTIVITY**

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Stability	: Stable at normal temperatures and pressures
Reactivity	: Not reactive
Conditions to avoid	: Heat, flame and other sources of ignition
Materials to avoid	: Oxidizing agents
Hazardous decomposition Products	: Burning may produce carbon dioxide and carbon monoxide

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**11. TOXICOLOGICAL INFORMATION**

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LD50 : Not determined  
LC50 : Not determined  
Eye irritation : Not determined  
Skin irritation : Not determined  
Chronic toxicity : Not determined

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**12. ECOLOGICAL INFORMATION**

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Ecotoxicity : Not determined  
Persistence and degradability : No degradation

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**13. DISPOSAL CONSIDERATIONS**

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Methods of disposal : Bury in landfill or burn in adequate incinerator,  
In accordance with national and local regulations

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**14. TRANSPORT INFORMATION**

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This product is not regulated as a hazardous material for transport

Sea : Free for any transport  
Air : Free for any transport

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**15. REGULATORY INFORMATION**

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Regulations : Not related

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**16. OTHER INFORMATION**

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Special precautions to be taken in handling and storage : Practice reasonable care and Caution in the handling of this product. Avoid breathing dust if generated.

