



ASA RESIN (XC-220)

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

Product name : XC-220 ASA Polymers
Generic name : ASA Graft Copolymer
Chemical product name : Acrylonitrile – Styrene – Acrylate Co-polymer
CAS no. : 26299-47-8
Supplier's name : Kumho Petrochemical Co.
Supplier's address : 15, 16 FL., KUMHO BLDG. 57, SHINMOONRO
JONGRO-KU, SEOUL, KOREA
Contact : Tel. 042-865-8756 Fax 042-862-5651
Emergency Telephone : 02-6303-3325 (Head Office)

2. COMPOSITION/INFORMATION ON INGREDIENTS

	<u>CAS Number</u>	<u>Contents</u>
Acrylonitrile/Styrene/Acrylate Resin	26299-47-8	97-100%
Antioxidants		0-1%
Wax		0-2%

3. HAZARDS IDENTIFICATION

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



ASA RESIN

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

4. FIRST-AID MEASURES

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

5. FIRE-FIGHTING MEASURES

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	: Not Applicable Flame classification : Not determined Flame propagation : Not determined



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Lower Explosive Limit (LEL) : Not determined

Upper Explosive Limit (UEL) : Not determined

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Not applicable

Environmental precautions : Not applicable

Methods for cleaning up : Not applicable

7. HANDLING AND STORAGE

Handling : Avoid heat

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

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

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

10. STABILITY AND REACTIVITY

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

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

12. ECOLOGICAL INFORMATION

Ecotoxicity	: Not determined
Persistence and degradability	: No degradation

13. DISPOSAL CONSIDERATIONS

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

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

Regulations : Not related

16. OTHER INFORMATION

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.
