



Flame Retardant ABS/PC Compound RESIN

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

Product name : KUMHO HAC-8290NH
Generic name : Flame Retardant ABS/PC ALLOY
Chemical product name : Acrylonitrile - Butadiene – Styrene/Polycarbonate Alloy
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. 052-279-8831 Fax 052-279-8709
Emergency Telephone : 02-6303-3314 (Head Office)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Acrylonitrile / Butadiene / Styrene CAS No. 9003-56-9 10%~60%
Polycarbonate CAS No. 24836-68-3 40%~90%
Triphenyl phosphate CAS No. 115-86-6 1~15 Parts
Antioxydants 0.1~0.4Parts

3. HAZARDS IDENTIFICATION

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



**Flame Retardant ABS/PC Compound 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	: 1.6mm V-0, V-1, V-2 (UL94 Flame Test)
Explosive Limits	: Flash point : Not determined Flame classification : Not determined Flame propagation : Not determined





Flame Retardant ABS/PC Compound RESIN

Lower Explosive Limit (LEL) : Not determined

Upper Explosive Limit (UEL) : Not determined

Autoignition Temperature : 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.





Flame Retardant ABS/PC Compound RESIN

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	: 1.13 – 1.20
Melting point	: 220 – 260
Evaporation rate	: Not applicable
Water reactive	: None

10. STABILITY AND REACTIVITY

Stability	: Stable at normal temperatures and pressures,at over 300 °C release gases
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



**Flame Retardant ABS/PC Compound RESIN**

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
---------------------	--

14. TRANSPORT INFORMATION

This product is not regulated as a hazardous material for transport

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





Flame Retardant ABS/PC Compound RESIN

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.

