

Version 1.0

First Issue date: 11/10/2022

Revision date: 01/02/2023

SDS record number: CSSS-TCO-010-153198

**1. Identification**

<b>Product name</b>	300A, 300H, 310TR, 310CTR, 320A, 326A, 330EF, 340EF, 330I, 335T, 335N, 350, 350A, 350F, 350HM, 350HW, 350CHW, 326PI, 340PI
<b>Synonyms</b>	-
<b>CAS #</b>	See section 3
<b>Product code</b>	-
<b>Product use</b>	ABS Compounding.
<b>Manufacturer/Supplier</b>	
<b>Supplier(Manufacturer):</b>	Korea Kumho Petrochemical Co., Ltd.
<b>Address:</b>	260-257, Cheoyong-ro, Nam-Gu, Ulsan, 44785, Korea
<b>Contact person(E-mail):</b>	-
<b>Telephone:</b>	+82-52-279-8852
<b>Fax:</b>	+82-52-279-8840
<b>Emergency telephone Number:</b>	1-858-987-0023

**2. Hazard(s) identification**

<b>GHS classification</b>	
<b>Physical hazards</b>	Not classified
<b>Health hazards</b>	Not classified
<b>Environmental hazards</b>	Not classified
<b>GHS label elements</b>	
<b>Hazard Pictograms</b>	No hazard pictogram is used.
<b>Signal word</b>	No signal word is used.
<b>Hazard statement</b>	Not applicable.
<b>Precautionary statement</b>	
<b>Prevention</b>	Not applicable.
<b>Response</b>	Not applicable.
<b>Storage</b>	Not applicable.
<b>Disposal</b>	Not applicable.
<b>Other hazards</b>	Not available.

**3. Composition / information on ingredients**

<b>Components</b>	<b>CAS#</b>	<b>Percent</b>
2-Propenenitrile polymer with ethenylbenzene;	9003-54-7	99~100%
Acrylonitrile-styrene copolymer		

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#### 4. First-aid Measures

##### First aid procedures

<b>Eye contact</b>	Immediately flush eyes with plenty of water at least 15minutes. If irritation persists, get a doctor's examination.
<b>Skin contact</b>	Wash the contaminated skin area with running water. Remove contaminated clothes and shoes. If irritation persists, get a doctor's examination.
<b>Inhalation</b>	Intake the water to clean the throat and blow nose to remove the dust. Remove exposed person to fresh air. Take Artificial respiration if not breathing. Give oxygen, if breathing is difficult. Get medical attention.
<b>Ingestion</b>	Rinse mouth with water. Immediately give large amounts of water to drink for help ease the irritation. Get medical aid if irritation or symptoms occur.

##### Notes to physician

Treat symptoms.

#### 5. Fire-fighting measures

##### Flammable properties

Not available.

##### Extinguishing media

###### Suitable extinguishing media

Powder foam, carbon dioxide, water or foam. Large fire : Water spray, regular foam.

###### Unsuitable extinguishing media

Do not use direct water.

##### Firefighting equipment/instructions

Wear appropriate personal protective equipment (see section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION). Avoid inhalation of smoke or gas when fire fighting. Move container from fire area if it can be done without risk. Cool containers with water until well after fire is out. Stay upwind and keep out of low areas. Avoid inhalation of substance itself or combustion.

##### Hazardous combustion products

Generate pyrolysis such as carbon dioxide, carbon monoxide and styrene when combustion.

#### 6. Accidental release measures

##### Personal precautions

Perform in accordance with 「 See section 8 . EXPOSURE CONTROLS / PERSONAL PROTECTION 」 . Put on appropriate personal protective equipment. Use a way to minimize dust. Avoid contact with eyes and skin. Avoid inhalation of substance itself or combustion. Evacuation against the wind. Keep unauthorized personnel out. Avoid contact with heat, sparks, flame or other ignition sources.

##### Environmental precautions

Avoid dispersal of spilt material and runoff and contact with waterways, drains and sewers. If large spills, advise emergency services.

##### Methods for cleaning up

For small spills: Remove all sources of ignition. Suppression occurrence of dust. Appropriate container for disposal of spilled material collected. Ventilate leak areas and clearing leak area.

For large spills: Remove all sources of ignition. Suppression occurrence of dust. Avoid entering to sewers or water system. For disposal of spilled material

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in appropriate containers collected and clear surface. Appropriate container for disposal of spilled material collected.

## 7. Handling and storage

### Handling

Handle in a well-ventilated place. Avoid contact with heat, sparks, flame or other ignition sources. Remove all sources of ignition. Use all the equipment after the ground. Wash thoroughly after handling.

### Storage

Keep in original container and tightly closed. Store in a cool, dry, location and avoid heat. Avoid contact with incompatible materials.

## 8. Exposure controls / personal protection

### Control parameters:

#### Occupational exposure limits

This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit.

#### Biological limit values

No biological exposure limits noted for the ingredient(s).

#### Appropriate engineering controls:

Use in a well-ventilated area.

#### Individual protection measures, such as personal protective equipment:

##### Eye / face protection

Wear primary eye protection such as splash resistant safety goggles with a secondary protection face shield. Provide an emergency eye wash station and quick drench shower in the immediate work area.

##### Skin protection

Wear chemical resistant protected gloves if there is hazard potential for direct skin contact. Wear heat resistant protected gloves to withstand the temperature of molten product. Wear chemical resistant protected clothing if there is hazard potential for direct contact.

##### Respiratory protection

Respiratory protection may be needed. Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use.

- Dust, mist, fume-purifying respiratory protection.
- Any air-purifying respirator with a corpuscle filter of high efficiency.
- Any respiratory protection with a electro motion fan(for dust, mist, fume-purifying).
- ※ For Unknown Concentration or Immediately Dangerous to Life or Health.
- Self-contained breathing apparatus(pressure-demand or other positive-pressure mode in combination).
- Supplied-air respirator with full face piece.

##### General hygiene considerations

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.

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## 9. Physical and chemical properties

### Appearance

Physical state	Solid
Form	Pellet
Color	Colorless
Odor	Odorless
Odor threshold	Not available
pH	Not available
Vapor pressure	Not available
Melting point/Freezing point	180-220 °C
initial boiling point and boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Explosion limits	Not available
Vapor density	Not available
Relative density	Not available
Solubility (water)	Insoluble
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Specific gravity	Not available
Relative Density	1.06-1.07
Flammability limits in air, upper, %by volume	Not available
Flammability limits in air, lower, % by volume	Not available
VOC	Not available
Percent volatile	Not available
Other data	
Viscosity	Not available

## 10. Stability and reactivity

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Incompatible materials. Avoid contact with heat, sparks, flame or other ignition sources.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon monoxide, carbon dioxide.
Possibility of hazardous reactions	No dangerous reactions known.

## 11. Toxicological information

### Toxicokinetics, metabolism and distribution:

Non-human toxicological data:	Not available
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**Information on toxicological effects:**

<b>Acute toxicity:</b>	
<b>LD50(Oral, Rat):</b>	Not available
<b>LD50(Dermal, Rat):</b>	Not available
<b>LC50(Inhalation, Rat):</b>	Not available
<b>Skin corrosion/Irritation:</b>	Not classified.
<b>Serious eye damage/irritation:</b>	Not classified
<b>Respiratory or skin sensitization:</b>	Not classified
<b>Germ cell mutagenicity:</b>	Not classified
<b>Carcinogenicity:</b>	Not classified
<b>Reproductive toxicity:</b>	Not classified
<b>STOT- single exposure:</b>	Not classified
<b>STOT-repeated exposure:</b>	Not classified
<b>Aspiration hazard:</b>	Not classified

**12. Ecological information**

**Toxicity:**

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

<b>Persistence and degradability:</b>	Not available.
<b>Bioaccumulative potential:</b>	Not available.
<b>Mobility in soil:</b>	Not available.
<b>Results of PBT&amp;vPvB assessment:</b>	Not available. No known significant effects or critical hazards.

**Other adverse effects:**

**13. Disposal considerations**

**Disposal instructions** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**14. Transport information**

**DOT**

<b>Basic shipping requirements:</b>	
<b>UN number</b>	Not regulated
<b>Proper shipping name</b>	Not regulated
<b>Hazard class</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>Environmental hazards</b>	No

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**IATA**

<b>UN number</b>	Not regulated
<b>UN proper shipping name</b>	Not regulated
<b>Transport hazard class(es)</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>Environmental hazards</b>	No

**IMDG**

<b>UN number</b>	Not regulated
<b>UN proper shipping name</b>	Not regulated
<b>Transport hazard class(es)</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>Environmental hazards</b>	No

**15. Regulatory information**

**US federal regulations**

**Toxic Substances Control Act (TSCA)**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical**

No

**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)**

Not regulated.

**16. Other information, including date of preparation or last revision**

**HMIS® ratings** Health: 0

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**NFPA ratings**

Flammability: 1  
Physical hazard: 0  
Health: 0  
Flammability: 1  
Instability: 0

**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available.

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