BAYBLEND FR3008 R65 702338

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

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Material number: 86670054

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use:
Production of moulded plastic articles

1.3 Details of the supplier of the safety data sheet

Covestro (Hong Kong) Limited
43/F One Island East, Taikoo Place
18 Westlands Road
Quarry Bay, Hong Kong
HONG KONG
HONG KONG

Tel: +852 28955888
Fax: +852 25768862
e-mail: productsafetyapac@covestro.com

1.4 Emergency telephone number

TRANSPORTATION EMERGENCY:
CALL CHEMTREC: +65 3163 8374 (Regional)
Information Phone: +852 96807276, +852 97255437

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification:

Not a hazardous substance or mixture.

2.2 Label elements

GHS-Labelling
Not a hazardous substance or mixture.

2.3 Other hazards

No information available.

SECTION 3: Composition/information on ingredients

Type of product: Mixture

3.2 Mixtures

Polymer blend based on polycarbonate / acrylonitrile-butadiene-styrene copolymer

Contains no hazardous ingredients according to GHS

SECTION 4: First aid measures

4.1 Description of first aid measures

In case of skin contact: CONTACT WITH THE HOT MELT: Cool immediately with plenty of water. Do not remove product crusts which may have formed neither forcibly nor by applying any solvents to the skin involved. To obtain treatment for possible burns, and appropriate skin care, seek medical advice immediately.

The following information refers to the handling of the product at room temperature. In case of skin contact wash affected areas thoroughly with soap and plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Notes to physician: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Therapeutic measures: No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: sprayed water jet, extinguishing powder, Carbon dioxide (CO2), Foam, Dry chemical

5.2 Special hazards arising from the substance or mixture

Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes.

5.3 Advice for fire-fighters

Firemen must wear self-contained breathing apparatus.

Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Granules - slip hazard!

6.2 Environment related measures

Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Use mechanical handling equipment. Avoid dust formation.

6.4 Reference to other sections

For further disposal measures see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Under recommended processing conditions small amounts of residues of monomers and residual solvent may be emitted. Provided good ventilation and/or local exhaust systems are used, the Workplace Exposure Limit(s) stated in section 8 should not be exceeded.

In case of mechanical processing, dust must be removed by effective exhaust ventilation.

Keep away from foodstuffs, drinks and tobacco. Wash hands before breaks and at end of work and use skin-protecting ointment. Change contaminated clothing.

7.2 Conditions for safe storage, including any incompatibilities

No special storage conditions required.

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

Substance	CAS-No.	Basis	Type	Value	Ceiling Limit Value	Remarks
titanium dioxide	13463-67-7	HK OEL	TWA	4 mg/m3		
titanium dioxide	13463-67-7	HK OEL	TWA	10 mg/m3		

The regulations for the substances listed below must be observed when processing this product, particularly if processing takes place at elevated temperatures. In our experience the provision of effective fresh-air and exhaust ventilation equipment at the points where vapors may be generated will ensure compliance with the tolerance limits quoted below.

Substance	CAS-No.	Basis	Type	Value	Ceiling Limit Value	Remarks
styrene	100-42-5	HK OEL	TWA	20 ppm 85 mg/m3		
styrene	100-42-5	HK OEL	STEL	40 ppm 170 mg/m3		
1,3-butadiene	106-99-0	HK OEL	TWA	2 ppm 4,4 mg/m3		
Ethylbenzene	100-41-4	HK OEL	TWA	100 ppm 434 mg/m3		
Ethylbenzene	100-41-4	HK OEL	STEL	125 ppm 543 mg/m3		
phenol	108-95-2	HK OEL	TWA	5 ppm 19 mg/m3		
chlorobenzene	108-90-7	HK OEL	TWA	10 ppm 46 mg/m3		

8.2 Exposure controls

Respiratory protection
In case of dust formation use respiratory equipment with filter type particle filter P1 according to EN 143.

Hand protection
Suitable materials for safety gloves; EN 374:
Polyvinyl chloride - PVC (>= 0.5 mm)
Contaminated and/or damaged gloves must be changed.

Eye protection
Wear eye/face protection.

Skin and body protection
Wear suitable protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	solid at 20 °C at 1.013 hPa	
Appearance:	granular	
Colour:	grey	
Odour:	odourless	
Odour Threshold:	not established	
pH:	not applicable	
Softening point:	100 - 200 °C	
Boiling point/boiling range:	not established	
Flash point:	not established	
Evaporation rate:	not established	
Flammability:	not established	
Burning number:	not established	
Upper/lower flammability or explosive limits:	not applicable	
Vapour pressure:	not applicable	
Relative vapour density:	not established	
Density:	ca. 1,1 - 1,2 g/cm³	DIN 53479
Bulk density:	600 - 700 kg/m³	
Miscibility with water:	not established	
Water solubility:	practically insoluble	
Surface tension:	not established	
Partition coefficient (n−octanol/water):	not established	
Auto-ignition temperature:	> 390 °C	
Ignition temperature:	> 390 °C	
Decomposition temperature:	>= 380 °C	
Heat of combustion:	not established	
Viscosity, dynamic:	not applicable	
Viscosity, kinematic:	not established	
Explosive properties:	not established	
Dust explosion class:	not established	
Oxidising properties:	not established	

9.2 Other information

The indicated values do not necessarily correspond to the product specification. Please refer to the product information sheet or the technical information sheet for specification data.

SECTION 10: Stability and reactivity

10.1 Reactivity

This information is not available.

10.2 Chemical stability

Fumes evolved by overheating during improperly processing or by burning may be injurious to health.

10.3 Possibility of hazardous reactions

If overheated, the melt may undergo exothermal decomposition in the air (increase in temperature, generation of smoke or fumes).

10.4 Conditions to avoid

This information is not available.

10.5 Incompatible materials

This information is not available.

10.6 Hazardous decomposition products

Caused by smouldering and incomplete combustion toxic fumes mainly consisting of CO and CO2 may be developed.

Under recommended processing conditions small amounts of emissions may occur.

The regulations for the substances listed below must be observed when processing this product, particularly if processing takes place at elevated temperatures.

acrylonitrile
GHS Classification: Flam. Liq. 2 H225 Carc. 1B H350 Acute Tox. 3 Inhalative H331 Acute Tox. 3 Dermal H311 Acute Tox. 3 Oral H301 STOT SE 3 H335 Skin Irrit. 2 H315 Eye Dam. 1 H318 Skin Sens. 1 H317 Aquatic Chronic 2 H411 Repr. 2 H361d

styrene
GHS Classification: Flam. Liq. 3 H226 Acute Tox. 4 Inhalative H332 Eye Irrit. 2 H319 Skin Irrit. 2 H315 Repr. 2 H361d STOT RE 1 Inhalative H372 Asp. Tox. 1 H304 Aquatic Chronic 3 H412 STOT SE 3 H335

1,3-butadiene
GHS Classification: Flam.Gas 1 H220 Carc. 1A H350 Press. Gas Muta. 1B H340

4-Vinylcyclohexene
GHS Classification: Carc. 2 H351 Flam. Liq. 2 H225 Skin Irrit. 2 H315 Asp. Tox. 1 H304 Repr. 2 H361 Aquatic Chronic 3 H412

Ethylbenzene
GHS Classification: Flam. Liq. 2 H225 Acute Tox. 4 Inhalative H332 STOT RE 2 Inhalative H373 Asp. Tox. 1 H304 Aquatic Chronic 3 H412

phenol
GHS Classification: Acute Tox. 3 Oral H301 Acute Tox. 3 Inhalative H331 Acute Tox. 3 Dermal H311 Skin Corr. 1B H314 Eye Dam. 1 H318 Muta. 2 H341 STOT RE 2 H373 Aquatic Acute 2 H401 Aquatic Chronic 2 H411

4-tert-butylphenol
GHS Classification: Skin Irrit. 2 H315 Eye Dam. 1 H318 Repr. 2 H361f Aquatic Chronic 1 H410

chlorobenzene
GHS Classification: Flam. Liq. 3 H226 Acute Tox. 4 Inhalative H332 Skin Irrit. 2 H315 Aquatic Chronic 2 H411

bisphenol A; 4,4'-isopropylidenediphenol
GHS Classification: Eye Dam. 1 H318 Skin Sens. 1 H317 Repr. 2 H361 STOT SE 3 H335 Aquatic Acute 2 H401 Aquatic Chronic 2 H411

triphenylphosphate
GHS Classification: Aquatic Acute 1 H400 Aquatic Chronic 1 H410

SECTION 11: Toxicological information

Toxicological studies on the product are not yet available.

11.1 Information on toxicological effects

Acute toxicity, oral
No data available.

Acute toxicity, dermal
No data available.

Acute toxicity, inhalation
No data available.

Primary skin irritation
No data available.

Primary mucosae irritation
No data available.

Sensitisation
No data available.

Subacute, subchronic and prolonged toxicity
No data available.

Carcinogenicity
No data available.

Reproductive toxicity/Fertility
No data available.

Reproductive toxicity/Developmental Toxicity/Teratogenicity
No data available.

Genotoxicity in vitro
No data available.

Genotoxicity in vivo
No data available.

STOT evaluation – one-time exposure
No data available.

STOT evaluation – repeated exposure
No data available.

Aspiration toxicity
No data available.

Additional information
According to our experience and information the product has no harmful effects on health if properly handled.

SECTION 12: Ecological information

Ecotoxicological studies of the product are not available.

Do not allow to escape into waterways, wastewater or soil.

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

The product is practically insoluble in water. In view of its consistency and insolubility in water, no ecological problems are to be expected if the product is properly handled. The product is not readily biodegradable.

SECTION 13: Disposal considerations

Dispose in accordance with applicable international, national and local laws, ordinances and statutes.

13.1 Waste treatment methods

After containers have been emptied as thoroughly as possible (e.g. by pouring, scraping or draining until "drip-dry"), they can be sent to an appropriate collection point set up within the framework of the existing take-back scheme of the chemical industry. Containers must be recycled in compliance with national legislation and environmental regulations.

The product is suitable for mechanical recycling. After appropriate treatment it can be remelted and reprocessed into new moulded articles. Mechanical recycling is only possible if the material has been selectively retrieved and carefully segregated according to type.

No disposal into waste water.

SECTION 14: Transport information

ADR/RID

14.1 UN number or ID number	:	Not dangerous goods
14.2 UN proper shipping name	:	Not dangerous goods
14.3 Transport hazard class(es)	:	Not dangerous goods
14.4 Packing group	:	Not dangerous goods
14.5 Environmental hazards	:	Not dangerous goods

ADN

14.1 UN number or ID number	:	Not dangerous goods
14.2 UN proper shipping name	:	Not dangerous goods
14.3 Transport hazard class(es)	:	Not dangerous goods
14.4 Packing group	:	Not dangerous goods
14.5 Environmental hazards	:	Not dangerous goods

Dangerous goods classification for inland waterways tanker by request only.

IATA

14.1 UN number or ID number	:	Not dangerous goods
14.2 UN proper shipping name	:	Not dangerous goods
14.3 Transport hazard class(es)	:	Not dangerous goods
14.4 Packing group	:	Not dangerous goods
14.5 Environmental hazards	:	Not dangerous goods

IMDG

14.1 UN number or ID number	:	Not dangerous goods
14.2 UN proper shipping name	:	Not dangerous goods
14.3 Transport hazard class(es)	:	Not dangerous goods
14.4 Packing group	:	Not dangerous goods
14.5 Marine pollutant	:	Not dangerous goods

14.6 Special precautions for user

See section 6 - 8.

Additional information : Not dangerous cargo. Keep dry.

14.7 Maritime transport in bulk according to IMO instruments

Product is not transported by us in bulk.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Other regulations
Only China:Compliant with the following local regulations:
Only China: Decree 591 Regulations on the control over safety of hazardous chemicals
Only China: GB/T 16483 Safety data sheet for Chemical products-Content and order of section
Only China: GB 13690 General rule for classification and hazard communication of chemicals
GB 30000.2-29 Safety rules for classification and labelling of chemicals
Only China: GB 15258, General rules for preparation of precautionary label of chemicals

SECTION 16: Other information

Full text of the hazard statements of the GHS classification referred to under sections 2, 3 and 10.

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H340	May cause genetic defects.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.
H361d	Suspected of damaging the unborn child.
H361f	Suspected of damaging fertility.
H372	Causes damage to organs through prolonged or repeated exposure if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure if inhaled.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Further information
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.