

BX-6001 Breathable compound

Safety Data Sheet

Revision date: 01/11/2020
Version: 1.2



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

1.1. Product identifier

Product name : Breathable compound

Product code : BX-6001

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Manufacture of plastics products, including compounding and conversion.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Unique Polymer Co., Ltd

282 Moo 2 Pharaek Sa Mai , Mueang Samut Prakan , Samut Prakan 10280

Tel.(+66)02-116-3138

Website: Unique-polymer.com

1.4. Emergency telephone number

Not applicable

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazardous to the aquatic environment — H412

Chronic Hazard, Category 3

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

there is no labelling obligation.

2.3. Other hazards

No additional information available

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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : In all cases of doubt, or when symptoms persist, seek medical advice.

First-aid measures after inhalation : Remove casualty to fresh air and keep warm and at rest.

First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Following contact with the melted product, quickly cool affected skin area with water. Do not attempt to remove congealed product from skin.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. If eye irritation persists, consult a specialist.

First-aid measures after ingestion : IF SWALLOWED; rinse mouth. DO NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation : Inhalation of dust may cause irritation of the respiratory system.

Symptoms/effects after skin contact : The melted product can cause severe burns.

Symptoms/effects after eye contact : If eye irritation persists: Get medical advice/attention.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry extinguishing powder. Foam. Carbon dioxide (CO₂).

5.2. Special hazards arising from the substance or mixture

Fire hazard : Thermal decomposition can lead to the escape of irritating gases and vapors. Carbon dioxide (CO₂). Carbon monoxide. Gas/ vapors, toxic.

5.3. Advice for firefighters

No additional information available

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Wear suitable protective clothing. Avoid generation of dust. Provide adequate ventilation. High slip hazard because of leaking or spilled product.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Do not allow uncontrolled leakage of product into the environment.

6.3. Methods and material for containment and cleaning up

Remove mechanically, placing in appropriate containers for disposal. Handle contaminated packaging in the same way as the product itself.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid generation of dust. Provide adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges. When using do not eat, drink or smoke. Wash hands before breaks and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

Storage area : Keep container tightly closed and dry.

Special rules on packaging : Keep/Store only in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Not applicable

8.2. Exposure controls

Appropriate engineering controls : If suction of the immediate vicinity is impossible or insufficient, the entire working place must be sufficiently ventilated using appropriate machines.

Hand protection : Wear suitable gloves

Eye protection : Wear eye/face protection

Skin and body protection : Only wear fitting, comfortable and clean protective clothing.

Respiratory protection : In case of inadequate ventilation wear respiratory protection. particulates filter device (DIN EN 143).

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Granules.
Colour	: Milky WHITE
Odour	: No data available
Odour threshold	: No data available
pH	: Not applicable
Relative evaporation rate (butylacetate=1)	: Not applicable
Melting point	: No data available
Freezing point	: No data available
Boiling point	: Decomposes before boiling
Flash point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: Not applicable
Relative vapour density at 20 °C	: Not applicable
Relative density	: No data available
Relative gas density	: not applicable
Solubility	: Water: insoluble
Log Pow	: Not applicable
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosive properties	: Not applicable.
Oxidising properties	: Not applicable.
Explosive limits	: No data available

9.2. Other information

Minimum ignition energy	: Not applicable
SADT	: Not applicable

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SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

10.5. Incompatible materials

Strong acid. strong alkalis. Oxidizing agents.

10.6. Hazardous decomposition products

In case of fire: Carbon monoxide, Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
	pH: not applicable
Serious eye damage/irritation	: Not classified
	pH: not applicable
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

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SECTION 12: Disposal considerations

12.1. Waste treatment methods

Regional legislation (waste) : Comply with local regulations for disposal.

Waste disposal recommendations : Do not empty into drains; dispose of this material and its container in a safe way. Handle contaminated packaging in the same way as the product itself.

SECTION 13: Transport information

In accordance with ADR / RID / IMDG / IATA

13.1. UN number

UN-No. : Not applicable

UN-No. (IMDG) : Not applicable

UN-No. (IATA) : Not applicable

UN-No. (ADN) : Not applicable

UN-No. (RID) : Not applicable

13.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

13.3. Transport hazard class(es)

Not applicable.

13.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

13.5. Environmental hazards

Not applicable.

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13.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

13.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 14: Regulatory information

14.1. Chemical safety assessment

No additional information available

SECTION 15: Other information

Abbreviations and acronyms:

REACH	Registration, Evaluation, Authorization and Restriction of Chemicals Regulation (EC) No 1907/2006
SVHC	Substance of very high concern
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
MARPOL 73/78	International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978. ("MARPOL" is short for marine pollution and 73/78 short for the years 1973 and 1978.)
IBC	The International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
OSHA	Occupational Safety & Health Administration

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TWA	Time Weighted Average
STEL	Occupational Exposure Limits - Short Term Exposure Limits (STELs)
ACGIH	American Conference of Government Industrial Hygienists
TLV	Threshold Limit Value
IARC	International Agency for Research on Cancer

Full text of H- and EUH-statements:

Aquatic Acute 1 Hazardous to the aquatic environment — Acute Hazard, Category 1

Aquatic Chronic 1 Hazardous to the aquatic environment — Chronic Hazard, Category 1

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