

Safety Data Sheet

according to 1907/2006/EC, Article 31

SYNTHETIC HYDROTALCITE BX DHT

SDS No.: 02003, Version No. 2, Effective date: Mar. 12. 2014

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

1.1 Product identifier

- **Trade name:** BX DHT
- **CAS Number:** 11097-59-9

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

- **Application of the substance / the preparation:**

Additive for polymers

1.3 Details of the supplier of the safety data sheet

- **Manufacturer/Supplier:**

Dongguan Baoxu Chemical Technology.,Ltd.

P:+86-0769-22821082 Fax:0769-22821083

Email:info@additivesforpolymer.com Web:www.additivesforpolymer.com

8th Chenwu East Road, Houjie Town, Dongguan City, Guangdong Province, China

- **Further information obtainable from:** R & D Department of GCH Technology Co.,Ltd.

1.4 Emergency telephone number:

Tel: +86 769 22821082

(Office hours: 9:00h~18:00h, Chinese Time)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- **Classification according to Regulation (EC) No 1272/2008:**

The substance is not classified according to the CLP regulation.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC:** Void

2.2 Label elements

- **Labelling according to Regulation (EC) No 1272/2008:** Void

• **Hazard pictograms:** Void

• **Signal word:** Void

• **Hazard statements:** Void

2.3 Other hazards

- **Results of PBT and vPvB assessment**

• **PBT:** Not determined

• **vPvB:** Not determined

SECTION 3: Composition/information on ingredients

3.1 Chemical characterization: Substances

- **CAS No. Description**

11097-59-9 [carbonato(2-)]hexadecahydroxybis(aluminium)hexamagnesium

- **Identification number(s)**

• **EINECS Number:** 234-319-3

SECTION 4: First aid measures

4.1 Description of first aid measures

- **General information:** Take affected persons out of danger area and lay down.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**

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Immediately wash with water and soap and rinse thoroughly.

Generally the product does not irritate the skin.

• **After eye contact:**

Rinse opened eye for several minutes under running water.

Seek medical treatment.

• **After swallowing:**

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

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

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

• **Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture:

Formation of toxic gases is possible during heating or in case of fire.

In case of fire, the following can be released: Carbon monoxide, Carbon dioxide

5.3 Advice for firefighters

• **Protective equipment:**

Wear self-contained respiratory protective device.

• **Additional information:**

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation

Wear protective clothing.

Avoid formation of dust.

Keep away from ignition sources.

6.2 Environmental precautions: No special measures required.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose of the material collected according to regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Prevent formation of dust.

Any unavoidable deposit of dust must be regularly removed.

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No special precautions are necessary if used correctly.

• **Information about fire and explosion protection:**

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

• **Storage:**

• **Requirements to be met by storerooms and receptacles:**

Store only in the original receptacle.

• **Information about storage in one common storage facility:**

Do not store together with acids.

• **Further information about storage conditions:**

Store receptacle in a well ventilated area.

Store in dry conditions.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

• **Ingredients with limit values that require monitoring at the workplace:**

Not required.

8.2 Exposure controls

• **Personal protective equipment:**

• **General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.

Keep away from foodstuffs, beverages and feed.

The usual precautionary measures are to be adhered to when handling chemicals.

• **Respiratory protection:**

Not necessary if room is well-ventilated.

• **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

• **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Butyl rubber, BR

Nitrile rubber, NBR

PVC gloves

• **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• **Eye protection:** Safety glasses

• **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

• **General Information**

• **Appearance:**

Form: Powder

Colour: White

• **Odour:** Odourless

• **Odour threshold:** Not determined.

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• pH-value:	7-9
• Change in condition	
Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	Not determined.
• Flash point:	100 °C
• Flammability (solid, gaseous):	Product is not flammable.
• Ignition temperature:	Not determined.
• Decomposition temperature:	Not determined.
• Self-igniting:	Product is not selfigniting.
• Danger of explosion:	Product does not present an explosion hazard.
• Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
• Oxidizing properties:	No
• Density at 20°C:	0.3-0.5g/cm ³
• Bulk density at 20°C:	100-300 kg/m ³
• Relative density:	Not determined.
• Vapour density:	Not applicable.
• Evaporation rate:	Not applicable.
• Solubility in / Miscibility with water:	Insoluble.
• Partition coefficient (n-octanol/water):	Not determined.
• Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

• **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

10.3 **Possibility of hazardous reactions:** No dangerous reactions known.

10.4 **Conditions to avoid:** No further relevant information available.

10.5 **Incompatible materials:** No further relevant information available.

10.6 **Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

• Acute toxicity:

Oral (LD50)> 10000 mg/kg (Mouse)

• Primary irritant effect:

• **on the skin:** No irritant effect.

• **on the eye:** No irritating effect.

• **Sensitization:** No sensitizing effects known.

• Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

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• CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Ames and Micronucleus Test: Not determined.

SECTION 12: Ecological information

12.1 Toxicity

- **Aquatic toxicity:** No relevant information available.

12.2 Persistence and degradability:

No relevant information available.

- **12.3 Bioaccumulative potential:** No relevant information available.

- **12.4 Mobility in soil:** No relevant information available.

• Ecotoxicological effects:

- **Remark** No relevant information available.

12.5 Results of PBT and vPvB assessment:

- **PBT:** Not determined.

- **vPvB:** Not determined.

- **12.6 Other adverse effects** No relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

- **Recommendation:** Must be specially treated adhering to official regulations.

• Uncleaned packaging:

- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number

- **ADR, IMDG, IATA** Void

14.2 UN proper shipping name

- **ADR, IMDG, IATA** Void

14.3 Transport hazard class(es)

- **ADR, IMDG, IATA**
- **Class** Void

14.4 Packing group

- **ADR, IMDG, IATA** Void

14.5 Environmental hazards:

- **Marine pollutant:** No

- **14.6 Special precautions for user** Not applicable.

- **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

- **Transport/Additional information:** Not dangerous according to the above specifications.

- **UN "Model Regulation":** -

SECTION 15: Regulatory information

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

- **The components of this product are reported in the following inventories:**

TSCA, EINECS, ECL, AICS, NZIoC, IECSC, ENCS, DSL, ECN.

15.2 Chemical safety assessment:

This product is approved by FDA with FCN No. 1026

This product is listed in GB9685-2008.

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JHOSPA Certificate number is 01060.

SECTION 16: Other information

This Safety Data Sheet is the second version, the revision date is Mar. 12. 2014.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.