

Safety Data Sheet

MasterProtect HB 200 medium also THOROCOAT 200 MEDIUM

Revision date : 2015/05/14
Version: 3.0

Page: 1/10
(30605562/SDS_GEN_US/EN)

1. Identification

Product identifier used on the label

MasterProtect HB 200 medium also THOROCOAT 200 MEDIUM

Recommended use of the chemical and restriction on use

Recommended use*: for industrial and professional users

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:

BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Synonyms: Not Available

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

STOT RE	2	Specific target organ toxicity — repeated exposure
Aquatic Acute	3	Hazardous to the aquatic environment - acute
Aquatic Chronic	3	Hazardous to the aquatic environment - chronic

Label elements

Safety Data Sheet

MasterProtect HB 200 medium also THOROCOAT 200 MEDIUM

Revision date : 2015/05/14
Version: 3.0

Page: 2/10
(30605562/SDS_GEN_US/EN)

Pictogram:



Signal Word:
Warning

Hazard Statement:

H373 May cause damage to organs (Kidney) through prolonged or repeated exposure.
H402 Harmful to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P273 Avoid release to the environment.
P260 Do not breathe dust/gas/mist/vapours.

Precautionary Statements (Response):

P311 Call a POISON CENTER or doctor/physician.

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection point.

Hazards not otherwise classified

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

Labeling of special preparations (GHS):

Product contains the following components and may cause an allergic skin reaction: 2-octyl-4-isothiazol-3-ones

The substance may cause sensitization of the skin in particularly sensitive individuals. Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
1317-65-3	>= 10.0 - < 25.0 %	Limestone
13463-67-7	>= 7.0 - < 15.0 %	Titanium dioxide
12001-26-2	>= 1.0 - < 5.0 %	Mica-group minerals
107-21-1	>= 1.0 - < 3.0 %	ethylene glycol
26530-20-1	>= 0.0 - <= 0.1 %	2-octyl-4-isothiazol-3-ones

4. First-Aid Measures

Description of first aid measures

Safety Data Sheet

MasterProtect HB 200 medium also THOROCOAT 200

MEDIUM

Revision date : 2015/05/14
Version: 3.0

Page: 3/10
(30605562/SDS_GEN_US/EN)

General advice:

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

If on skin:

Wash thoroughly with soap and water.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

If swallowed:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Hazards: No applicable information available.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:
water jet

Special hazards arising from the substance or mixture

Hazards during fire-fighting:
carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

Advice for fire-fighters

Protective equipment for fire-fighting:
Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.

Safety Data Sheet

MasterProtect HB 200 medium also THOROCOAT 200 MEDIUM

Revision date : 2015/05/14
Version: 3.0

Page: 4/10
(30605562/SDS_GEN_US/EN)

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Do not breathe vapour/aerosol/spray mists. Wear eye/face protection. If exposed to high vapour concentration, leave area immediately. Use personal protective clothing. Handle in accordance with good building materials hygiene and safety practice.

Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed.
For large amounts: Pump off product.

7. Handling and Storage

Precautions for safe handling

Avoid aerosol formation. Avoid inhalation of mists/vapours. Avoid skin contact. No special measures necessary provided product is used correctly.

Conditions for safe storage, including any incompatibilities

No applicable information available.

Suitable materials for containers: tinned carbon steel (Tinplate)

Further information on storage conditions: Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight.

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

ethylene glycol	OSHA PEL ACGIH TLV	CLV 50 ppm 125 mg/m ³ ; TLV value 100 mg/m ³ aerosol ; Ceiling Limit
Limestone	OSHA PEL	PEL 5 mg/m ³ Respirable fraction ; PEL 15 mg/m ³ Total dust ; TWA value 15 mg/m ³ Total dust ; TWA value 5 mg/m ³ Respirable fraction ;
Mica-group minerals	OSHA PEL ACGIH TLV	TWA value 20 millions of particles per cubic foot of air ; TWA value 3 mg/m ³ Respirable dust ; TWA value 20 millions of particles per cubic foot of air ; TWA value 3 mg/m ³ Respirable fraction ;

Safety Data Sheet

MasterProtect HB 200 medium also THOROCOAT 200 MEDIUM

Revision date : 2015/05/14
Version: 3.0

Page: 5/10
(30605562/SDS_GEN_US/EN)

Titanium dioxide	OSHA PEL	PEL 15 mg/m3 Total dust ; TWA value 10 mg/m3 Total dust ;
	ACGIH TLV	TWA value 10 mg/m3 ;

Advice on system design:

No applicable information available.

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) respirator as necessary.

Hand protection:

Wear chemical resistant protective gloves., Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Safety glasses with side-shields.

Body protection:

Impermeable protective clothing

General safety and hygiene measures:

Do not inhale gases/vapours/aerosols. Avoid contact with the skin, eyes and clothing. Avoid exposure - obtain special instructions before use. Handle in accordance with good building materials hygiene and safety practice. Wearing of closed work clothing is recommended. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

9. Physical and Chemical Properties

Form:	liquid	
Odour:	sweetish, slight odour	
Odour threshold:		No applicable information available.
Colour:	various colours	
pH value:		The product has not been tested.
Melting point:		No applicable information available.
Boiling point:	192.78 - 205.00 °C	
Sublimation point:		No applicable information available.
Flash point:	> 93.34 °C	
Flammability:	not highly flammable	
Lower explosion limit:	3.2 %(V)	
Upper explosion limit:	15.3 %(V)	
Vapour pressure:		No applicable information available.
Density:	1.35 - 1.47 g/cm3	(20 °C)
Relative density:		No applicable information available.
Vapour density:		Heavier than air.
Partitioning coefficient n-octanol/water (log Pow):		The value has not been determined because the substance is inorganic.
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:		No applicable information available.

Safety Data Sheet

MasterProtect HB 200 medium also THOROCOAT 200 MEDIUM

Revision date : 2015/05/14
Version: 3.0

Page: 6/10
(30605562/SDS_GEN_US/EN)

Viscosity, kinematic:	No applicable information available.
Solubility in water:	partly soluble
Solubility (quantitative):	No applicable information available.
Solubility (qualitative):	No applicable information available.
Evaporation rate:	No applicable information available.
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

The product is stable if stored and handled as prescribed/indicated.

Conditions to avoid

See MSDS section 7 - Handling and storage.

Incompatible materials

strong acids, strong bases, strong oxidizing agents, strong reducing agents

Hazardous decomposition products

Decomposition products:

irritant gases/vapours, carbon oxides

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Based on available Data, the classification criteria are not met.

Oral

No applicable information available.

Inhalation

Safety Data Sheet

MasterProtect HB 200 medium also THOROCOAT 200

MEDIUM

Revision date : 2015/05/14
Version: 3.0

Page: 7/10
(30605562/SDS_GEN_US/EN)

No applicable information available.

Dermal

No applicable information available.

Assessment other acute effects

No applicable information available.

Irritation / corrosion

Assessment of irritating effects: No irritation is expected under intended use and appropriate handling. Based on available Data, the classification criteria are not met.

Sensitization

Assessment of sensitization: The product contains 2-n-octyl-4-isothiazolin-3-one (CAS-No.: 26530-20-1). The substance may cause sensitization of the skin in particularly sensitive individuals. Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: This product contains crystalline silica (quartz). Prolonged or repeated inhalation of respirable crystalline silica may result in silicosis.

Genetic toxicity

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Carcinogenicity

Assessment of carcinogenicity: Contains a known carcinogen. This product contains crystalline silica (quartz).

Information on: crystalline silica

*Assessment of carcinogenicity: In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. In long-term animal studies in which the substance was given by inhalation in high doses, a carcinogenic effect was observed. The substance and its compounds in the form of respirable dusts/aerosols classified by the German MAK commission as a category 1 carcinogen (substances that cause cancer to humans). A carcinogenic effect cannot safely be ruled out. The inhalation uptake of the alveolar fraction of the fine dust may cause damage to the lungs. The International Agency for Research on Cancer (IARC) has classified this substance as a Group 1 (known) human carcinogen.
NTP listed carcinogen*

Information on: Titanium dioxide

Assessment of carcinogenicity: IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). In long-term studies in rats in which the substance was given by inhalation, a carcinogenic effect was observed. Tumors were only observed in rats after chronic inhalative exposure to high concentrations which caused sustained lung inflammation. In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. Dermal exposure is not expected to be carcinogenic.

Reproductive toxicity

Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Safety Data Sheet

MasterProtect HB 200 medium also THOROCOAT 200 MEDIUM

Revision date : 2015/05/14
Version: 3.0

Page: 8/10
(30605562/SDS_GEN_US/EN)

Teratogenicity

Assessment of teratogenicity: Contains a suspect teratogen.

Information on: ethylene glycol

Assessment of teratogenicity: In animal studies the substance caused malformations when given at high doses.

However, the relevance of this result for humans is unclear.

Other Information

The product has not been tested. The statement has been derived from the properties of the individual components.

Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

Acutely harmful for aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Persistence and degradability

Assessment biodegradation and elimination (H₂O)

Inherently biodegradable. The insoluble fraction can be removed by mechanical means in suitable waste water treatment plants.

The polymer component of the product is poorly biodegradable.

Bioaccumulative potential

Assessment bioaccumulation potential

Discharge into the environment must be avoided.

Mobility in soil

Assessment transport between environmental compartments

No data available.

Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

Safety Data Sheet

MasterProtect HB 200 medium also THOROCOAT 200 MEDIUM

Revision date : 2015/05/14
Version: 3.0

Page: 9/10
(30605562/SDS_GEN_US/EN)

13. Disposal considerations

Waste disposal of substance:

Dispose of in accordance with national, state and local regulations. Residues should be disposed of in the same manner as the substance/product. Do not discharge into drains/surface waters/groundwater.

Container disposal:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. Transport Information

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Chronic;

EPCRA 313:

<u>CAS Number</u>	<u>Chemical name</u>
107-21-1	ethylene glycol

<u>CERCLA RQ</u>	<u>CAS Number</u>	<u>Chemical name</u>
5000 LBS	107-21-1	ethylene glycol
1000 LBS	1336-21-6	Ammonium hydroxide
100 LBS	7664-41-7	ammonia

State regulations

CA Prop. 65:

WARNING: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

Safety Data Sheet

MasterProtect HB 200 medium also THOROCOAT 200

MEDIUM

Revision date : 2015/05/14
Version: 3.0

Page: 10/10
(30605562/SDS_GEN_US/EN)

NFPA Hazard codes:

Health : 1 Fire: 1 Reactivity: 0 Special:

16. Other Information

SDS Prepared by:

BASF NA Product Regulations
SDS Prepared on: 2015/05/14

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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