MEITITANIUM®

Safety Data Sheet

Issue date 18-Jun-2016 **Revision date** 25-Jun-2016 **Version** 2

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product name SANGONG®EBP

Synonyms ETHYLENE-BIS-STEARAMIDE

Recommended use of the chemical and restrictions on use

Recommended Use Pigment.
Uses advised against For use in industrial installations only

Details of the supplier of the safety data sheet

Supplier Address

Shenzhen Meilinium titanium industry Co.,Ltd
Add: E Building，The first Industry Area, Tangxia Chung Community
Songgang Town, Shenzhen City • China
Tel:+86 755 33869791
Fax:+86 755 33656772

Detection mechanismt China National Analytical Center Guangzhou
For further information, please contac Tel:+86 20 3765880

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E-mail address leo@meilinium.com

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status
This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

Label Elements

EMERGENCY OVERVIEW

None

Appearance	powder	**Physical State** Solid,		**Odor**	None

Precautionary Statements - Prevention
Wash hands thoroughly after handling

Precautionary Statements - Response
Not applicable

Precautionary Statements - Storage
Store in accordance with local regulations

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)
Other Information
Unknown acute toxicity No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms **ETHYLENE-BIS-STEARAMIDE**

Chemical name	CAS No	weight-%	Trade secret
ETHYLENE-BIS-STEARAMIDE	110-30-5	100	*

***The exact percentage (concentration) of composition has been withheld as a trade**

4. FIRST AID MEASURES

FIRST AID MEASURES

Eye Contact **Rinse thoroughly with plenty of water, also under the**

Skin contact **Wash skin with soap and**

Inhalation **Remove to fresh air.**

Ingestion **Rinse mouth.**

Most important symptoms and effects, both acute and delayed

Symptoms **No information available.**

Indication of any immediate medical attention and special treatment needed

Note to physicians **Treat symptomatically.**

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Unsuitable Extinguishing Media **None known based on information**

Avoid creating dust.

Specific hazards arising from the chemical

Explosion data

Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions **Use personal protection recommended in Section 8. Avoid contact with eyes and**

Environmental Precautions

Environmental Precautions **Do not flush into surface water or sanitary sewer**

Methods and material for containment and cleaning up

Methods for Containment **Prevent further leakage or spillage if safe to do**

Methods for cleaning up **so. Pick up and transfer to properly labeled**

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Packaging materials Product may be packaged in normal commercial packaging; paper or plastic material.

Incompatible Materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
ETHYLENE-BIS-STEARAMIDE	TWA: 10 mg/m^3	TWA: 15 mg/m^3 total dust (vacated) TWA: 10 mg/m^3 total dust	IDLH: 5000 mg/m^3

Appropriate engineering controls

Engineering controls Ensure adequate ventilation, especially in confined areas. Extraction to remove dust at its source.

Individual protection measures, such as personal protective equipment

Eye/face Protection Wear safety glasses with side shields (or goggles).

Skin and Body Protection Long sleeved clothing. Protective gloves.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Solid,	**Appearance**	powder
Odor	None	**Color**	white
Odor threshold	No information available		

Property	**Values**	**Remarks •Method**
pH		
Melting point/freezing point	141 °C	
Boiling point / boiling range		
Flash Point		
Evaporation Rate		
Flammability (solid, gas)		
Flammability Limit in Air	285℃	
Upper flammability limit:		
Lower flammability limit:		
Vapor pressure		
Vapor Density		
Specific gravity	0.91g/cm3	
Water solubility	Insoluble in water	
Solubility in other solvents	Insoluble in ether	
Partition coefficient		
Autoignition Temperature		
Decomposition temperature		
Kinematic viscosity		
Dynamic viscosity		

Other Information

VOC content (%) 0%

10. STABILITY AND REACTIVITY

Reactivity None known based on information supplied

Stability Stable under recommended storage conditions

Possibility of hazardous reactions None under normal processing

Hazardous polymerization None under normal processing

Conditions to Avoid Dust formation

Incompatible Materials None known based on information supplied

Hazardous decomposition products None known based on information supplied

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information Information in this section is a summary of the conclusions of the chemical safety assessment conducted under REACH.

Inhalation As a nuisance dust, prolonged exposures above recommended levels may cause adverse effects on the lung.

Eye Contact Not an expected route of exposure.

Skin contact ETHYLENE-BIS-STEARAMIDE does not penetrate either intact or abraded human skin.

Ingestion Not an expected route of exposure.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
ETHYLENE-BIS-STEARAMIDE	> 5000 mg/kg (Rat)	-	> 6,82 mg/L (Rat) 4 h

Information on toxicological Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation ETHYLENE-BIS-STEARAMIDE was not classifiable as a skin corrosive or irritant based on in vivo test results for ETHYLENE-BIS-STEARAMIDE submitted in the European Union (REACH) joint submission registration dossier for the substance.

Serious eye damage/eye irritation ETHYLENE-BIS-STEARAMIDE e was not classifiable as an eye irritant based on in vivo test results for ETHYLENE-BIS-STEARAMIDE submitted in the European Union (REACH) joint submission registration dossier for the substance.

Sensitization No information available.

Germ Cell Mutagenicity ETHYLENE-BIS-STEARAMIDE was negative when tested in vitro in bacterial reverse mutation assays and in mammalian cell gene mutation and clastogenicity assays as well as when tested in vivo.

Carcinogenicity ETHYLENE-BIS-STEARAMIDE e is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence of carcinogenicity in humans and sufficient evidence in experimental animals.

In lifetime inhalation studies of rats, airborne respirable-size ETHYLENE-BIS-STEARAMIDE particles have been shown to cause lung tumors at concentrations associated with substantial particle lung burdens and consequential pulmonary overload and inflammation. However, other laboratory animals such as mice and hamsters did not develop lung tumors under similar testing with ETHYLENE-BIS-STEARAMIDE. Furthermore, human epidemiology studies do not suggest an association between occupational exposure to titanium dioxide and risk for cancer.

Chemical name	ACGIH	IARC	NTP	OSHA
ETHYLENE-BIS-STEARAMIDE	-	-	-	-

Reproductive Toxicity ETHYLENE-BIS-STEARAMIDE was not classifiable as a reproductive hazard based on in vivo t Test resultsfor ETHYLENE-BIS-STEARAMIDE submitted in the European Union (REACH) joint submission registration dossier for the substance.

STOT - single exposure No information available.

STOT - repeated exposure Repeated inhalation exposures in rats to poorly soluble dusts such as ETHYLENE-BIS-STE STEARAMIDE lead to a pattern of pulmonary effects including inflammation and fibrosis that are not observed in other rodent species, nonhuman primates, or humans under similar conditions.Therefore, ETHYLENE-BIS-STEARAMIDE is not classifiable for repeated exposure.

Aspiration Hazard Not applicable.

Numerical measures of toxicity

Unknown acute toxicity No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity ETHYLENE-BIS-STEARAMIDE is of low acute aquatic toxicity.

Persistence and degradability Not readily biodegradable.

Bioaccumulation Material does not bioaccumulate.

Mobility ETHYLENE-BIS-STEARAMIDE is persistent and does not bioaccumulate.

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container.

14. TRANSPORT INFORMATION

DOT
Proper Shipping Name Not regulated

ICAO (air)
Proper Shipping Name Not regulated

IATA
Proper Shipping Name Not regulated

IMDG
Proper Shipping Name Not regulated

RID
Proper Shipping Name Not regulated

ADR
Proper Shipping Name Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

NIZIC Complies

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances **ENCS** - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances **AICS** - Australian Inventory of Chemical Substances
NIZIC - New Zealand Inventory of Chemicals

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

China.

The SDS conforms to the GB/T16483 and GB/T17519 standards

16. OTHER INFORMATION

Issue date	18-Jun-2016
Revision date	25-Jun-2016
Revision note	Product listing updated, New format
Other Information	This product is a pigment intended for industrial use. This product is not intended for consumption, cosmetic, pharmaceutical or medical end use. Cristal will not knowingly sell product for use into these applications

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.

End of Safety Data Sheet

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