



MSDS

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Date: Mar. 14, 2018

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Material Safety Data Sheets

Section 1 - Product and Company Identification

Product Identification: Composite Ti for Stage Effect

Supplier Name: MAGNUM LIGHTING TECHNOLOGY CO.,LTD

Supplier Address: 2/F, Building 9, Qifang Industrial District, Zhongshan City. Guangdong Province, China

Trade Name: Magnum Lighting

Model No.: SP-200, SP-201, SP-202

Contact Person : Mr.Fu

Tel.: 13665900228

Signed for and on behalf of

Tony Qian/Technical Director

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Dongguan BST Testing Co., Ltd.

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Section 2 – Composition/Information on Ingredients

Ingredient Name: Composite Ti for Stage Effect

The difference between the single product and mixture: mixture

Chemical Name:

Constitutes:

Chemical name	In%by weight	CAS No.	Dimension	Molecular Formula
Zirconium(Zr)	20	7440-67-7	200-250um	Zr
Titanium(Ti)	75	7440-32-6		Ti
Titanium dioxide	≤5	13463-67-7	-	TiO ₂

Section 3 - Hazards Identification information

Health Hazards (Acute & Chronic):

Powder can activate our nose and fauces, lead to cough and sore throat.

Environment's effect: None

Physics and chemistry's danger: None

Special harm: None

Main symptoms: None

Classification of substance: None

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Section 4 - First Aid Measures

First Aid:

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: Drink milk or egg white. Induce vomiting, if person is conscious. Seek medical help.

Section 5 - Fire Fighting Measures

Hazardous Characteristics: Dust can explosive when exposed to heat, fire or chemical reaction.

Hazardous Combustion Products: Carbon monoxide (CO), Carbon dioxide (CO₂)

Fire fighting methods: Dry powder, dry sand, water.

Section 6 - Accidental Release Measures

Steps to be taken in case Material is Released or Spilled:

Leave quickly leakage pollution area personnel to safety, and isolation, strictly limiting access. Cut off the fire. Suggest emergency personnel wearing self-sustaining positive pressure type respirator, wear anti-static work clothes. As cut leakage source. Prevent ditch into sewer pipes, such restrictive space. Small spills with sand, vermiculite, or other inert materials absorption. Massive leak: to construct the beach or dig a pit asylum. Covered with foam, reduce steam disasters. Use explosion-proof pump metastasize to the tank or special collector inside, recycling or shipped to the waste disposal sites disposal.

Waste disposal method:

It is recommended to discharge the deodorizer to the end, handing in the abandoned deodorizer to related department unified, dispose of the deodorizer in accordance with approved local, state, and federal requirements. Consult state environment protection agency and/or federal EPA.

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Section 7 - Handling and Storage

- Wearing protective clothing, wear rubber gloves.
- Prevent packaging and container unloading damage.

Precautions to be taken in handling and storing

- Stored in a cool, well-ventilated area.
- Far from fire, heat source.
- Equipped with corresponding varieties and number of fire equipment.

Section 8 - Exposure Controls & Personal Protection

Respiratory Protection:

The higher concentration in the air when filter brand-newly type gas mask, wearing a mask (half).

Ventilation: Not necessary under conditions of normal use.

Protective Gloves: Wear rubber gloves.

Other Protective Clothing or Equipment:

- Wearing protective clothing.
- Maintain good health habits.

Section 9-Physical and Chemical Properties

Appearance and properties: solid

Color: black

PH value: 7.0

Heat resistance (°C): 1000

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Average particle diameter (μm): 2.5

Light resistance (grade): 8

Density (g/cm^3): 4.8-5.6

Decomposition temperature ($^{\circ}\text{C}$): No Material

Relative steam density (air = 1): No Material

Burning hot (kJ/mol): No Material

Section 10 - Stability & Reactivity Data

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

Materials to be avoided: Strong acids, strong oxidizers.

Dangerous reactions No dangerous reactions known.

Dangerous products of decomposition:

When heated to soldering temperatures, the solvents are evaporated and rosin may be thermally degraded to liberate aliphatic aldehydes and acids. Carbon monoxide and carbon dioxide

Section 11 - Toxicological Information

Primary irritant effect:

On the skin: Possible local irritation

On the eye: can cause eye irritation.

Through inhalation: may cause irritation and damage of mucous membranes and respiratory system.

Through ingestion: May be harmful if swallowed.

Sensitization:

Sensitization possible through inhalation.

Sensitization possible through skin contact.

Additional toxicological information:

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The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Irritant

Section 12 - Ecological Information

Ecological Information:

General notes: Do not allow product to reach ground water, water course or sewage system

Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.
- Other adverse effects: No further relevant information available.

Section 13 - Disposal Considerations

Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations

Section 14 - Transport Information

Packaging methods: N/D

Transport Fashion: By air, by sea, by railway, by road.

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Section 15 - Regulatory Information

Work safety and sanitation law, the rule of lead free, Waste clear's rule

Section 16 - Other Information

Other Information: the above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the result of its use, this information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

BST confirmed the ninth item, the above content as reference information only. Please the user according to the demand to judge it usability. BST has no any responsibility.

*** End ***

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