

SECTION 1: Identification of the substance/mixture and of the company**Product Identifier**

Product Name: PowerCure™ BMS

Chemical Name: 4-Benzoyl 4'-Methyldiphenyl Sulfide

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

Relevant applications identified For Industrial Use

Details of the supplier of the safety data sheet**Company**

TinToll Performance Materials Co., Ltd.

4F, Building 01, Xincheng Technology Park, No. 69

Olympic Avenue, Nanjing, China

Email: SDS@Tintoll.com

Emergency Telephone Number: +86-25-8468-0091**SECTION 2: Hazardous identification****Classification of the substance or mixture**

Skin Corrosion/Irritation Category 2

Eye Damage/Irritation Category 2A

Label elements

Pictogram

Signal Word

Warning

Hazard statement(s)

Causes skin irritation

Causes serious eye irritation

Precautionary Statement(s):

[Prevention] Wash hands and face thoroughly after handling. Wear protective gloves, eye protection.

[Response] If on skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice or attention.

Take off contaminated clothing and wash it before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

Hazards not otherwise classified:

[HNOC]

None.

SECTION 3: Composition/information on ingredients

Substances

Synonyms:	4-(p-Tolythio)benzophenone
Formula:	C ₂₀ H ₁₆ OS
Molecular weight:	304.41 g/mol
CAS-No.:	83846-85-9
EC-No.:	281-064-9
Percent:	>98.0%

SECTION 4: First aid measures

Description of first aid measures

If inhaled

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

In case of skin contact

Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

In case of eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

If swallowed

Get medical advice/attention if you feel unwell. Rinse mouth.

Symptoms/effects:

Acute: Redness.

Delayed: No data available

Indication of any immediate medical attention and special treatment needed

No data available

Notes to physician

No data available

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Dry chemical, foam, water spray, carbon dioxide.

Special hazards arising from the substance or mixture

Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume.

Hazardous combustion products

These products include: Carbon oxides Sulfur oxides

Other specific hazards

Closed containers may explode from heat of a fire.

Advice for firefighters

Wear self-contained breathing apparatus if possible.

SECTION 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc

Environmental precautions

Prevent product from entering drains.

Methods and materials for containment and cleaning up

Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

SECTION 7: Handling and storage**Precautions for safe handling**

Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent dispersion of dust. Wash hands and face thoroughly after handling.

Use a local exhaust if dust or aerosol will be generated.

Avoid contact with skin, eyes and clothing.

Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed. Store in a cool and dark place.

Store away from incompatible materials such as oxidizing agents.

Light-sensitive

Packaging material: Comply with laws.

SECTION 8: Exposure Controls/Personal Protection**Appropriate engineering controls:**

Follow safe industrial engineering/laboratory practices when handling any chemical. Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety

shower and eye bath.

Personal protective equipment

Eye/face protection

Safety glasses. A face-shield, if the situation requires.

Skin/body protection

Protective clothing. Protective boots, if the situation requires.

Respiratory protection

Dust respirator. Follow local and national regulations.

Hand protection

Protective gloves.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state	Solid
Form	Crystal - Powder
Color	White - Slightly pale red
Odor	No data available
Melting point/freezing point	83°C (181°F)
Initial boiling point and boiling range	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Flash point	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	No data available
Viscosity	No data available
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Vapor pressure	No data available
Density	No data available
Relative density	No data available
Relative vapor density	No data available
Particle characteristics	No data available
Explosive properties	No data available
Oxidizing properties	No data available

Other safety information

No data available

SECTION 10: Stability And Reactivity

Chemical stability

Stable under proper conditions.

Possibility of hazardous reactions

No special reactivity has been reported.

Incompatible materials

Oxidizing agents

Hazardous decomposition products

Carbon dioxide, Carbon monoxide, Sulfur oxides

SECTION 11: Toxicological Information

Information on toxicological effects

Acute toxicity

Oral: No data available

Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological Effects

Toxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Other adverse effects

No data available

SECTION 13: Disposal considerations

Disposal of product:

Recycle to process if possible. It is the generator's responsibility to comply with Federal, State and Local rules and regulations. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. This section is intended to provide assistance but does not replace these laws, nor does compliance in accordance with this section ensure regulatory compliance according to the law. US EPA guidelines for Identification and Listing of Hazardous Waste are listed in 40 CFR Parts 261. The product should not be allowed to enter the environment, drains, water ways, or the soil.

Disposal of container:

Dispose of as unused product. Do not re-use empty containers.

Other considerations:

Observe all federal, state and local regulations when disposing of the substance.

SECTION 14: Transport Information

UN number

ADR/RID: -

IMDG: -

IATA: -

UN proper shipping name

Version 6.4R	Page 7 / 8	Revision Date 30.05.2023
--------------	------------	--------------------------

ADR/RID:	Not dangerous goods	
IMDG:	Not dangerous goods	
IATA:	Not dangerous goods	
Transport hazard class(es)		
ADR/RID: -	IMDG: -	IATA: -
Packing group		
ADR/RID: -	IMDG: -	IATA: -
Environmental hazards		
ADR/RID: no	IMDG Marine Pollutant: no	IATA: no
Special precautions for user		
no data available		

SECTION 15:Regulatory Information

Toxic Substance Control Act (TSCA 8b.):
 This product is ON the EPA Toxic Substances Control Act (TSCA) inventory.

US Federal Regulations
 CERCLA Hazardous substance and Reportable Quantity:
 SARA 313: Not Listed
 SARA 302: Not Listed

State Regulations
 State Right-to-Know
 Massachusetts Not Listed
 New Jersey Not Listed
 Pennsylvania Not Listed
 California Proposition 65: Not Listed

Other Information
 NFPA Rating: HMIS Classification:
 Health: 2 Health: 2
 Flammability: 0 Flammability: 0
 Instability: 1 Physical: 1
 International Inventories
 Canada: NDSL On NDSL

SECTION 16:Other Information

Further information
 It must be recognized that the physical and chemical properties of any product may not be fully



understood and that new, possibly hazardous products may arise from reactions between chemicals. The information given in this data sheet is based on our present knowledge and shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.