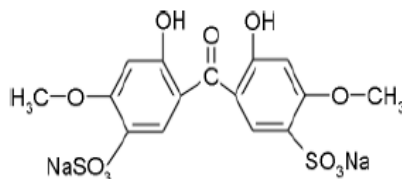


UNIPROMA CHEMICAL CO., LIMITED

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TECHNICAL DATA SHEET



1. Trade name:	Sunsafe-BP9
2. Other name:	2,2'-dihydroxy-4,4'-dimethoxybenzophenone-5,5'-disodium sulfonate
3. Molecular formula:	C ₁₅ H ₁₂ O ₁₅ S ₂ Na ₂
4. Molecular weight:	478
5. CAS no. :	76656-36-5
6. Appearance:	Fine free flowing powder
7. Assay %:	99.0 min
8. Moisture %:	1.0 max
9. Odor:	Similar in character and intensity to standard; very slight solvent odor
10. Color:	4.0 max
11. Identification:	IR
12. Absorptivity UV:	16 - 18
13. Solubility in water (at 25°C):	Clear solution, free from insoluble.
14. Package:	25kgs net per fiber drum.
Application:	
I Ultraviolet absorber.	



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Sunsafe-BP9

Chemical name: 2,2'-dihydroxy-4,4'-dimethoxybenzophenone-5,5'-disodium sulfonate

CAS no.: 76656-36-5

Batch no.: U20061223-1

Manufacturing date: 23 Feb, 2007

Expiry date: 22 Feb, 2008

Quantity: 500kg

Items	Specification	Results
1. Appearance:	Fine free flowing powder	Pass
2. Assay %:	99.0 min	99.4
3. Moisture %:	1.0 max	0.3
4. Odor:	Similar in character and intensity to standard; very slight solvent odor	Pass
5. Color:	4.0 max	2.6
6. Identification:	IR	Pass
7. Absorptivity UV:	16 - 18	17.7
8. Solubility in water (at 25°C):	Clear solution, free from insoluble	Pass
Conclusion:	Pass	



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MATERIAL SAFETY DATA SHEET

Section 1 - Chemical Product and Company Identification

Trade name: Sunsafe-BP9

Product name: 2,2'-dihydroxy-4,4'-dimethoxybenzophenone-5,5'-disodium sulfonate

Company identification:

Uniproma Chemical Co., Limited

2-1101, 259 Greenland Avenue, Huaqiao, Kunshan, Suzhou, Jiangsu, 215332 China.

Tel: 86-21-34224291 34228743

Fax: 86-21-54801476

E-mail: info@uniproma.com

Website: www.uniproma.com

Section 2 - Composition, Information on Ingredients

CAS No.	Product Name	Content %
76656-36-5	2,2'-dihydroxy-4,4'-dimethoxybenzophenone-5,5'-disodium sulfonate	99 min

Hazard Symbols: XN **Risk Phrases:** 22 /36/37/38

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: Warning! Harmful if swallowed. Irritating to eyes, respiratory system and skin

Target Organs: None known. Potential Health Effects

Eye: Causes moderate eye irritation.

Skin: Causes skin irritation.

Ingestion: Harmful if swallowed.

Inhalation: Causes respiratory tract irritation. The toxicological properties of this substance have not been fully investigated..

Chronic: No information found.

Section 4 - First Aid Measures

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Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Get medical aid. Wash mouth out with water.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: No information available.

Section 5 - Fire Fighting Measures

General Information:

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

Extinguishing Media:

Use foam, dry chemical, or carbon dioxide.

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions.

Section 7 - Handling and Storage

Handling:

Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

Storage:

Store in a cool, dry place. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low. Personal Protective Equipment

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Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure

Clothing:

Wear appropriate protective clothing to prevent skin exposure

Respirators:

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9 - Physical and Chemical Properties

Physical State: fine powder.

Odor: Not available.

pH: 6-7 1.0% aq

Vapor Pressure: Not available.

Vapor Density: Not available.

Evaporation Rate: Not available.

Viscosity: Not available.

Boiling Point: Not available.

Freezing/Melting Point: Not available.

Decomposition Temperature: 350° C at 1 Atmospheres.

Solubility in water: 25 G/L (25° C)

Specific Gravity/Density: Not available.

Molecular Formula: C₁₅H₁₂O₁₅S₂Na₂

Molecular Weight: 478.0

Section 10 - Stability and Reactivity

Chemical Stability: stable

Conditions to Avoid: Incompatible materials..

Incompatibilities with Other Materials: Strong oxidizing agents, strong bases.

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Hazardous Decomposition Products: Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS No.:

CAS No.: 76656-36-5

LD50/LC50:

CAS No.: 76656-36-5:

Raise Test,

Rabbit eye: 110 mg Moderate;

Oral rat: LD50 = 9g/kg.

Carcinogenicity:

2,2'-dihydroxy-4,4'-dimethoxybenzophenone-5,5'-disodium sulfonate

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology:

No information available.

Teratogenicity: No information available.

Reproductive Effects: No information available.

Neurotoxicity: No information available.

Mutagen city: No information available.

Other Studies: No data available.

Section 12 - Ecological Information

Elimination: <20g/l difficult to eliminate (OECD test 302B)

inhibition of activated sludge: LC20 >10000 Test rating not found

golden orfe, static: LC50>10000 mg/L; 96 Hr; insignificant Hazard

Bacterial toxicity: LC50 >100000 mg/L; 16 Hr; insignificant Hazard

Chemical oxygen demand: 1940mg/g Test rating not found

Dissolved organic carbon: 254mg/g Test rating not found

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

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RCRA P-Series: None listed.

RCRA U-Series: None listed.

Section 14 - Transport Information

IATA: Not regulated as a hazardous material.

IMO: Not regulated as a hazardous material.

RID/ADR: Not regulated as a hazardous material.

Canadian TDG: No information available.

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 22 Harmful if swallowed.

R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately With plenty of water and seek medical advice.

S 37/39 Wear suitable gloves and eye/face protection.

WGK (Water Danger/Protection)

CAS No.: 76656-36-7: No information available.

United Kingdom Occupational Exposure Limits Canada

CAS No.: 76656-36-7 is listed on Canada's DSL List.

CAS No.: 76656-36-7 is not listed on Canada's Ingredient Disclosure List. Exposure Limits

US FEDERAL

TSC

CAS No.: 76656-36-7 is listed on the TSCA inventory.

Section 16 - Other Information

MSDS Creation Date: 11/25/1996

Last Updated: 1/12/2006

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