

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Substance: 2-[2-Hydroxy-3,5-di(1,1-dimethylbenzyl)phenyl]-2H-benzotriazole

Trade Names/Synonyms: SONGSORB™ 2340

2-[2-3',5'-Bis(1-methyl-1-phenylethyl)-2'-hydroxyphenyl]benzotriazole;

2-[2-Hydroxy-3,5-di(1,1-dimethylbenzyl)phenyl]-2-benzotriazole;

2-(2H-Benzotriazol-2-yl)-4,6-bis(alpha,alpha-dimethylbenzyl)phenol; C30H29N3O

Chemical Family: Substituted benzotriazole

Manufacturer's Name: Songwon Ind. Co., Ltd

Address: 737-2 Yochon-Dong, Nam-Gu, Ulsan, Korea

E-Mail: info@songwonind.com

Supplier: Songwon International –Americas, Inc.

P.O. Box 1455 Friendswood, Texas 77546 USA

Tel: ++1-877-SONGWON Fax: ++1-713-456-1812

Emergency Telephone No :

North East Asia / South East Asia: call Songwon Ind Tel: ++82-(0)52-273-9841

Europe / Middle East / India / Africa: Call Big Tel: ++32.(0).14.58.45.45

Americas: Call CHEMTREC Day or Night DOMESTIC NORTH AMERICA 1-800-424-9300 INTERNATIONAL, CALL USA 703-527-3887 (collect calls accepted)

Date First Edition: 2006.08.18

Date New Edition: 2007.07.12 (Rev.1)

SECTION 2 COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient Name	CAS No.	EC Number	%	Exposure Limits
2-[2-Hydroxy-3,5-di(1,1-dimethyl benzyl)phenyl]-2H-benzotriazole	70321-86-7	274-570-6	Min. 99	Y (Hazardous) 15 mg/m3 (PNOR) (OSHA PEL TWA) Not established (OSHA PEL STEL) Not established (OSHA PEL CEIL) 10 mg/m3 (PNOS) (ACGIH TLV TWA) Not established (ACGIH TLV STEL) Not established (ACGIH TLV CEIL)
Indented chemicals are components of previous ingredient. PNOR = Particulates Not Otherwise Regulated PNOS = Particulates Not Otherwise Specified				

SECTION 3 HAZARDS IDENTIFICATION

NFPA Ratings (Scale 0-4): Health=1 Fire=1 Reactivity=0

Emergency Overview:

Odorless, slightly yellowish powder.

Dusts can form an explosive mixture with air.

Potential Health Effects:

Inhalation: As with any dust, mechanical irritation is possible to mucous membranes and the respiratory tract.

Skin Contact: Not expected to be a hazard in normal industrial use. May cause slight skin irritation.

Eye Contact: Not expected to be a hazard in normal industrial use. May cause mild eye irritation.

Ingestion: Not expected to be a hazard in normal industrial use.

Carcinogen status:

OSHA: N

NTP: N

IARC: N

SECTION 4 FIRST AID MEASURES

Inhalation:

First Aid- Remove from exposure area to fresh air immediately.

Perform artificial respiration if necessary. Get medical attention immediately.

Skin Contact:

First Aid- Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes).

Get medical attention immediately.

Eye Contact:

First Aid- Wash eyes immediately with large amounts of water for at least 15-20 minutes.

Get medical attention immediately.

Ingestion:

First Aid- If vomiting occurs, keep head lower than hips to help prevent aspiration.

Treat symptomatically and supportively. Get medical attention if needed.

Note To Physician

Antidote: No specific antidote.

SECTION 5 FIRE FIGHTING MEASURES

Fire And Explosion Hazard: Under fire conditions, toxic and irritating fumes may be emitted.

Dust-air mixtures may ignite or explode.

Extinguishing Media:

Dry chemical, carbon dioxide(CO₂), water spray or regular foam.

Firefighting:

Move container from fire area if you can do it without risk.

Do not scatter spilled material with high-pressure water streams.

Wear a self-contained breathing apparatus and protective clothing to prevent skin and eye contact in fire situations.

Use agents suitable for type of surrounding fire. Avoid breathing hazardous vapors, keep upwind.

Flash Point: 150 °C (Markusson)

Autoignition Point: Not available

Lower Flammable Limit: No data available

Upper Flammable Limit: No data available

Hazardous Combustion Products: Thermal decomposition products may include toxic oxides of carbon and oxides of nitrogen.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Occupational Spill:

Shut off all sources of ignition. Wearing appropriate personal protective equipment, carefully sweep up material and place in suitable labeled containers for disposal.

Sweep up and place in suitable clean, dry containers for reclamation or later disposal.

Do not flush spilled material into sewer. Keep unnecessary people away.

Personal Precautions: Do not breathe vapor or dust. Remove all sources of ignition. Avoid contact with skin, eyes and clothing.

Environmental Precautions: Do not flush into surface water, sanitary sewer or ground water system.

SECTION 7 HANDLING AND STORAGE

Handling: Use appropriate personal protection equipment.

Avoid eye, skin and clothing contact.

Avoid breathing dust.

Avoid creating a dusting situation.

Keep away from heat, sparks and flame.

Prevent buildup of static electricity.

All equipment should be properly grounded.

Storage: Store in a cool, dry, well-ventilated area away from incompatible materials.

Store away from heat, sparks, and flame.

Keep container tightly closed.

SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits: See Section 2.

Ventilation: Use local exhaust to minimize dusting.

Use mechanical ventilation for general area control.

Eye Protection: Chemical safety glasses with side shields or chemical safety goggles.

Skin And Body Protection: Working clothes, closed footwear.

Respirator Protection: Effective dust mask.

Hand Protection: Protective gloves

Work Hygienic Practices: Wash thoroughly after handling. Wash contaminated clothing before reuse.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Description: Odorless, slightly yellowish powder.

Molecular Weight: 448

Molecular Formula: C₃₀-H₂₉-N₃-O

Boiling Point: Not applicable

Melting Point: 137-141 °C

Vapor Pressure: 2 E-10 mmHg(20°C)

Vapor Density: Not applicable

Specific Gravity: 1.22(25°C)

Water Solubility: Insoluble

Volatility: Max. 0.5%

Octanol/Water Partition Coefficient: Log Pow >6.5

Viscosity: Not available

PH: Not applicable

Odor Threshold: Not available

Evaporation Rate: Not available

SECTION 10 STABILITY AND REACTIVITY

Reactivity: Stable under normal temperatures and pressures.

Conditions To Avoid: High temperatures, heat, open flames, static electricity and other sources of ignition.

Incompatibilities: Strong acids, strong bases and strong oxidising agents.

Hazardous Decomposition: Thermal decomposition products may include toxic oxides of carbon, oxides of nitrogen (NOx).

Polymerization: Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

SECTION 11 TOXICOLOGICAL INFORMATION

Toxicity Data: >2,000 mg/Kg oral-rats LD50 ;
>2,000 mg/Kg dermal-rats LD50

Carcinogen Status: None.

SECTION 12 ECOLOGICAL INFORMATION

Environmental Impact Rating (0-4): No data available

Acute Aquatic Toxicity: >67 mg/L LC50 in fish (Brachydanio rerio)(96H)

>91 mg/L EC50 in Daphnia magna (24H)

>100 mg/L EC50 in algae (Scenedesmus sp.) (72H)

Degradability: Not biodegradable

Log Bioconcentration Factor (BCF): No data available

Log Octanol/Water Partition Coefficient: Log Pow >6.5

SECTION 13 DISPOSAL CONSIDERATIONS

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

SECTION 14 TRANSPORT INFORMATION

U.S. DOT

Proper Shipping Name: Not regulated

AIR - ICAO OR IATA

Proper Shipping Name: Not regulated

WATER – IMDG

Proper Shipping Name: Not regulated

SECTION 15 REGULATORY INFORMATION

TSCA Inventory Status: Y

CERCLA Section 103 (40CFR302.4): N

SARA Section 302 (40CFR355.30): N

SARA Section 304 (40CFR355.40): N

SARA Section 313 (40CFR372.65): N

MATERIAL SAFETY DATA SHEET
SONGSORB™ 2340 PW



OSHA Process Safety (29CFR1910.119): N

California Proposition 65: N

SARA Hazard Categories, SARA Sections 311/312 (40 CFR 370.21)

Acute Hazard: N

Chronic Hazard: Y

Fire Hazard: N

Reactivity Hazard: N

Sudden Release Hazard: N

SECTION 16 OTHER INFORMATION