

Safety Data Sheet
acc. to OSHA HCS

Printing date 09/08/2022

Version No: 7.05

Reviewed on 09/08/2022

1 Identification· **Product identifier**· **Trade name:** **SONGSORB® 3280 PW**· **CAS Number:**

25973-55-1

· **EC number:**

247-384-8

· **Recommended use:** Plastic additive· **Restrictions on use:** Uses not specified· **Details of the supplier of the safety data sheet**· **Manufacturer/Supplier:**

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83, Jangsaengpo-ro, Nam-gu, Ulsan, Korea
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CH-8500 Frauenfeld
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· **Emergency telephone number:**

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)14-584545
Americas: Call CHEMTREC Day or Night DOMESTIC NORTH AMERICA 1-800-424-9300
INTERNATIONAL, CALL USA 703-527-3887 (collect calls accepted)

2 Hazard(s) identification· **Classification of the substance or mixture**

Specific Target Organ Toxicity - Repeated Exposure 2 H373 May cause damage to the kidneys and the liver through prolonged or repeated exposure. Route of exposure: Oral.

Combustible Dust

May form combustible dust concentrations in the air.

· **Label elements**· **GHS label elements**

The substance is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**

GHS08

· **Signal word** Warning· **Hazard statements**

H373 May cause damage to the kidneys and the liver through prolonged or repeated exposure. Route of exposure: Oral.

May form combustible dust concentrations in the air.

· **Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

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P314 Get medical advice/attention if you feel unwell.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Other hazards**
- **Results of PBT and vPvB assessment**

· **PBT:**

CAS: 25973-55-1 | 2-(2H-benzotriazol-2-yl)-4,6-di-tert-pentylphenol

· **vPvB:**

CAS: 25973-55-1 | 2-(2H-benzotriazol-2-yl)-4,6-di-tert-pentylphenol

*** 3 Composition/information on ingredients**

- **Chemical characterization: Substances**
- **CAS No. Description**
25973-55-1 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol
- **Identification number(s)**
- **EC number: 247-384-8**

4 First-aid measures

- **Description of first aid measures**
- **General information:**
Take affected persons out of danger area and lay down.
In case of irregular breathing or respiratory arrest provide artificial respiration.
- **After inhalation:** Supply fresh air.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**
Rinse opened eye for several minutes under running water.
Remove contact lenses, if present and easy to do. Continue rinsing.
- **After swallowing:** Rinse out mouth and then drink plenty of water.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
In case of fire, the following can be released:
Carbon monoxide
Carbon dioxide
Nitrogen oxides (NO_x)
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Cool endangered receptacles with water spray.

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Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
 - Ensure adequate ventilation.
 - Wear protective clothing.
 - Avoid formation of dust.
 - Keep away from ignition sources.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
 - Pick up mechanically.
 - Dispose of the collected material according to regulations.
- **Reference to other sections**
 - See Section 7 for information on safe handling.
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
 - Prevent formation of dust.
 - Any deposit of dust which cannot be avoided must be regularly removed.
 - Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**
 - Dust can combine with air to form an explosive mixture.
 - Keep ignition sources away - Do not smoke.
 - Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:**
 - Store in cool, dry conditions in well sealed receptacles.
 - Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
 - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - Do not eat, drink, smoke or sniff while working.
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing.
 - Store protective clothing separately.

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The usual precautionary measures for handling chemicals should be followed.

- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:**



Protective gloves

Only use chemical-protective gloves with CE-labeling of category III.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing
- **Limitation and supervision of exposure into the environment** No further relevant information available.

9 Physical and chemical properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
· Form:	Powder
· Color:	Yellowish
· Odor:	Odorless
· Odor threshold:	Not determined.
· pH-value: Not applicable.	
· Change in condition	
· Melting point/Melting range:	81.2 °C (178.2 °F)
· Boiling point/Boiling range:	> 180 °C (> 356 °F)
· Flash point: Not applicable.	
· Flammability (solid, gaseous): Product is not flammable.	
· Ignition temperature: Not determined.	
· Decomposition temperature: Not determined.	
· Danger of explosion: Product is not explosive. However, formation of explosive air/dust mixtures are possible.	
· Explosion limits:	
· Lower:	Not applicable.
· Upper:	Not applicable.
· Oxidizing properties No	
· Vapor pressure at 20 °C (68 °F): 2.573 - 10 hPa (1.9 - 7.5 mm Hg)	
· Density at 20 °C (68 °F): 1.17 g/cm ³ (9.76365 lbs/gal)	
· Relative density Not determined.	
· Vapor density Not applicable.	
· Evaporation rate Not applicable.	

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· Solubility in / Miscibility with Water at 20 °C (68 °F):	<0.000001 g/L
· Partition coefficient (n-octanol/water) at 23 °C (73.4 °F):	>6.5 log POW (OECD Guideline 117) Not determined.
· Viscosity: Dynamic:	Not applicable.
Kinematic:	Not applicable.
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** No decomposition if used and stored according to specifications.
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

* 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:**

Oral	LD50	> 7750 mg/kg (Rat) (OECD Guideline 401)
Dermal	LD50	> 1100 mg/kg (Rabbit) (OECD Guideline 402)

- **Primary irritant effect:**
- **on the skin:** Based on available data, the classification criteria are not met.
- **on the eye:** Based on available data, the classification criteria are not met.
- **Sensitization:** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)** Substance is not listed.
- **NTP (National Toxicology Program)** Substance is not listed.
- **OSHA-Ca (Occupational Safety & Health Administration)** Substance is not listed.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

LC50 (96h) (static)	> 100 mg/L (Fish) (OECD Guideline 203, Danio rerio) nominal
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EC50 (48h)	> 0.106 mg/L (Daphnia) (OECD Guideline 202, Daphnia magna) semi-static, Water Accommodated Fractions (WAFs)
EC50 (72h) (static)	> 0.1 mg/L (Algae) (Desmodesmus subspicatus) Test Methods of New Chemical Substances (Notification No. 1121002) Water Accommodated Fractions (WAFs)
NOEC (72h) (static)	0.1 mg/L (Algae) (Desmodesmus subspicatus) Test Methods of New Chemical Substances (Notification No. 1121002) Water Accommodated Fractions (WAFs)
IC50 (3h) (static)	> 100 mg/L (Bacteria) (OECD Guideline 209, activated sludge) nominal

- **Persistence and degradability**
2 % (28 d, OECD Guideline 301 B)
Heavily biodegradable
- **Behavior in environmental systems:**
- **Bioaccumulative potential**
May be accumulated in organism
1120-2780 BCF (56d, Cyprinus carpio, OECD Guideline 305)
- **Mobility in soil** 5.656 log Koc (calculated)
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Must be specially treated adhering to official regulations.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· UN-Number	
· DOT, ADR/RID/ADN, IMDG, IATA	Void
· UN proper shipping name	
· DOT, ADR/RID/ADN, IMDG, IATA	Void
· Transport hazard class(es)	
· DOT, ADR/RID/ADN, IMDG, IATA	
· Class	Void
· Packing group	
· DOT, ADR/RID/ADN, IMDG, IATA	Void
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.

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· UN "Model Regulation":	Void
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15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.
- **SARA**
- **Section 355 (extremely hazardous substances):** Substance is not listed.
- **Section 313 (Specific toxic chemical listings):** Substance is not listed.
- **TSCA (Toxic Substances Control Act) Inventory:** ACTIVE
- **Hazardous Air Pollutants** Substance is not listed.
- **Proposition 65**
- **Chemicals known to cause cancer:** Substance is not listed.
- **Chemicals known to cause reproductive toxicity for females:** Substance is not listed.
- **Chemicals known to cause reproductive toxicity for males:** Substance is not listed.
- **Chemicals known to cause developmental toxicity:** Substance is not listed.
- **New Jersey Right-to-Know List:** Substance is not listed.
- **New Jersey Special Hazardous Substance List:** Substance is not listed.
- **Pennsylvania Right-to-Know List:** Substance is not listed.
- **Pennsylvania Special Hazardous Substance List:** Substance is not listed.
- **Carcinogenicity categories**
- **EPA (Environmental Protection Agency)** Substance is not listed.
- **TLV (Threshold Limit Value)** Substance is not listed.
- **NIOSH-Ca (National Institute for Occupational Safety and Health)** Substance is not listed.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:**
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- **Contact:**
- **Date of preparation / last revision** 09/08/2022 / 7.04
- **Abbreviations and acronyms:**
ICAO: International Civil Aviation Organisation
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
MARPOL: (from Marine Pollutant) International Convention for the Prevention of Marine Pollution from Ships
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
UN: United Nations (also UNO: United Nations Organization)
NOEC: No Observed Effect Concentration
OECD: Organisation for Economic Co-operation and Development
ASTM: American Society for Testing and Materials
WAF: Water Accommodated Fraction
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation

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IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) – Category 2

*** Data compared to the previous version altered.**

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