

## Safety Data Sheet

Version 2.0  
May. 28th, 2023

### (1) Product and Company Identification

**Trade/Material name:** HB-SW1

**Use of the chemical:** Industrial use as an additive in coatings

**Restricted use of the chemical:** No additional information available

**Supplier:** Heebut Materials LLC  
19125 North Creek Parkway Ste 116  
Bothell, WA 98011

**Emergency phone:** +1 206 898 9477

### (2) Hazards identification

#### 2.1. GHS hazard classification

Not classified

#### Environmental hazards:

Not classified

#### 2.2. Label elements

No labeling applicable

#### 2.5. Other hazards

Other hazards which do not result in classification: None under normal conditions.

#### 2.4. Environmental hazards

No additional information available

### (3) Composition/information on ingredients

**Product form:** Mixture.

Ingredients	Concentration (wt.%)	CAS No.	GHS US Classification
Water	98.6-99	7732-18-5	Not classified
Organic surfactant	0.6-1.0	Trade secret	Not classified
Single walled carbon nanotubes	0.40	NA	Eye Irrit. 2, H319

### (4) First-aid measures

#### 4.1. Description of first-aid measures

**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.

**Skin contact:** Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Wash with plenty of soap and water. Wash skin with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.

**Inhalation:** Remove person to fresh air and keep comfortable for breathing. Get medical attention.

**Ingestion:** Rinse mouth out with water. Do not induce vomiting. Get medical attention. Call a poison center or a doctor if you feel unwell.

#### 4.2. Most important symptoms and effects, both acute and delayed:

Symptoms/effect: No additional information available.

### (5) Fire-fighting measures

**Suitable extinguishing media:** Dry chemical powder, carbon dioxide (CO<sub>2</sub>), Water spray, Dry powder, Foam

**Unsuitable extinguishing media:** None known

**Hazardous decomposition products:** Carbon dioxide, Carbon monoxide

<b>Firefighting instructions:</b>	No additional information available
<b>Protection during firefighting:</b>	Full face mask. Wear NIOSH-approved positive pressure self-contained breathing apparatus (SCBA) if fire is large.

#### **(6) Accidental release measures**

<b>6.1. Personal precautions:</b>	Wear protective equipment. Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.
<b>6.2. Environmental precautions:</b>	Avoid release to the environment. Do not allow to enter surface water or drains. Collect contaminated extinguishing water separately and must not enter the sewage system.
<b>6.3. Methods and materials for containment and clean up</b>	
<b>Methods for cleaning:</b>	No additional information available
<b>For containment:</b>	Clean spills promptly. Ventilate affected area. Stop leak if safe to do so. Collect spillage.
<b>Other information:</b>	Dispose of materials or solid residues at an authorized site

#### **(7) Handling and storage**

<b>7.1. Precautions for safe Handling:</b>	See section 2.3.
<b>7.2. Storage</b>	
<b>Storage conditions:</b>	Store in dry, well-ventilated area. Store at ambient temperature. Keep container tightly closed. Store locked up. Store in a well-ventilated place. Keep cool.
<b>Material used in packaging/containers:</b>	No additional information available
<b>Heat and ignition sources:</b>	Keep away from open flames, hot surfaces, and sources of ignition
<b>Information on mixed storage:</b>	Store away from water (including sewage plant)
<b>Special rules on packaging:</b>	Keep container tightly closed

#### **(8) Exposure controls / Personal protection equipment**

### 8.1. Exposure limit values for carbon nanotubes:

**NIOSH Exposure Limit Value:** 0.01 mg/m<sup>3</sup> (ACGIH)

**Water:** No additional information available

**Organic surfactant:** No additional information available

**8.2. Occupational exposure controls:** Install and operate general and/or local exhaust ventilation systems of sufficient power to maintain airborne concentration below the defined or recommended limit.

### 8.3 Personal protective equipment

**Personal protective equipment:** Gloves (Nitrile rubber, NBR, thickness > 0.18 mm)

Safety glasses

Protective clothing

**Environmental exposure controls:** Avoid release to the environment.

**Eye protection:** Chemical goggles or safety glasses

**Skin and body protection:** Protective clothing (with elasticated cuffs and closed neck)

**Dust production:** Dust mask with filter type P2.

**Eye protection:** Wear safety glasses conforming to an approved standard, such as NIOSH (US) or EN 166 (EU).

**Skin protection:** Wear protective clothing to prevent contact with skin. The type of clothing must depend on the level of exposure to the product.

## (9) Physical and chemical properties

**Physical state:** Liquid

**Color:** Black

**Odor:** Odorless

**pH:** 8-10

**Melting point:** Not applicable

**Freezing point:** Not applicable

**Boiling point:** No data available

<b>Flash point:</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Flammability:</b>	Nonflammable
<b>Density:</b>	No data available
<b>Solubility:</b>	Not applicable
<b>Partition coefficient</b>	
<b>n-octanol/water (Log Pow):</b>	No data available
<b>Radioactive:</b>	No
<b>Explosive properties:</b>	Product is not explosive
<b>Oxidizing properties:</b>	Non oxidizing

#### **(10) Stability and reactivity**

<b>Chemical stability:</b>	Stable under normal conditions
<b>Reactivity:</b>	Stable under normal conditions
<b>Possibility of hazardous reactions:</b>	None known
<b>Conditions to avoid:</b>	Keep away from open flames, hot surfaces, and sources of ignition
<b>Incompatible materials:</b>	Strong oxidizing agents
<b>Hazardous decomposition products:</b>	Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases
<b>Other properties:</b>	No additional information available

#### **(11) Toxicological information**

##### **11.1. Acute toxicity**

<b>Acute toxicity (oral):</b>	No data available
<b>Acute toxicity (dermal):</b>	Not classified.
<b>Acute toxicity (inhalation):</b>	No data available

**11.2. Skin corrosion/irritation**

**Skin corrosion/irritation:** No data available

**11.3. Serious eye damage/eye irritation**

**Serious eye damage/irritation:** Causes serious eye irritation.

**11.4. Respiratory or skin sensitization**

**Respiratory or skin sensitization:** Not classified

**11.5. Germ cell mutagenicity**

**Germ cell mutagenicity:** Not classified

**11.6. Carcinogenicity**

**Carcinogenicity:** Not classified

**11.7. Reproductive toxicity**

**Reproductive toxicity:** No data available

**(12) Ecological information****12.1. Ecotoxicity**

**Hazardous to the aquatic environment,**

**short-term (acute):** Not classified.

**Hazardous to the aquatic environment,**

**long-term (chronic):** Not classified

**12.2. Persistence and degradability**

**Single wall carbon nanotubes:** Not rapidly degradable

**12.3. Bioaccumulative potential** No Data available

**12.4. Mobility in soil** No additional information

**(13) Disposal considerations**

**Product:** Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste.

**Contaminated container and packaging:** Handle uncleaned containers like the product itself.

#### (14) Transport information

	DOT	TDG	IMDG	IATA
UN Number	Not regulated for transportation			
Shipping name	Not Applicable			
Transport hazard class(es)	Not Applicable			
Packing group	Not Applicable			
Environmental hazards	Not Applicable			

#### Special transport precautions

Special rules on packaging: No Data available

#### (15) Regulatory information

All components of this product are present and listed as active on the united states Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Single-walled carbon nanotubes in this product is subject to a Significant New Use Rule (SNUR) at 40 CFR 721.11179 for PMN P-17-0257.

This product or mixture is not known to contain a toxic chemical in excess of the applicable de minimis concentration as specified in 40 CFR § 372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Re-authorization Act of 1986 and 40CFR part 372.

#### (16) Other information

**Disclaimer:** The above information is based on our best knowledge to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. It is the user's responsibility to take mentioned precaution measures and ensure that this information is complete and sufficient for the use of this product. Furthermore, if the product is used as a component in another product, this SDS information may not be applicable. We do not accept and hereby disclaims liability for, any damages whatsoever in connection with the handling, storage, use or disposal of the product.