# Safety Data Sheet

Issue date 08-Jul-2014	Revision date 08-Jul-2014	Version 1
1. Identification	of the Substance/Preparation and of the Com	pany/Undertaking
Product identifier Product name	BTD-11S2	
Recommended use of the chemi Recommended use Uses advised against	ical and restrictions on use Cosmetic additive. No information available	
Details of the supplier of the safe Manufacturer address Kobo Products, Inc. 3474 South Clinton Avenue South Plainfield, NJ 07080 USA	<u>ety data sheet</u>	
Emergency telephone number Company phone number Emergency telephone	1-908-757-0033 Chemtrec 1-800-424-9300	
	2 Hozardo Identification	
	2. Hazards Identification	
Classification This chemical is considered hazard Carcinogenicity	dous by the 2012 OSHA Hazard Communication Standard (2	29 CFR 1910.1200) ategory 2
This chemical is considered hazard	dous by the 2012 OSHA Hazard Communication Standard (2	·
This chemical is considered hazard Carcinogenicity Label elements	dous by the 2012 OSHA Hazard Communication Standard (2	·
This chemical is considered hazard	dous by the 2012 OSHA Hazard Communication Standard (2	·

**Precautionary statements - prevention** Use personal protective equipment as required

### Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

### Precautionary statements - disposal

**KOBO** 

Dispose of contents/container to an approved waste disposal plant

### Hazards not otherwise classified (HNOC)

None known

### Other Information

No information available

# 3. Composition/information on Ingredients

Chemical name	CAS No	Weight-%
Titanium dioxide	13463-67-7	97.5-99.0
Triethoxycaprylylsilane	2943-75-1	0.5-2.5

4. First aid measures		
First aid measures		
General advice	If symptoms persist, call a physician.	
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.	
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.	
Inhalation	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration.	
Ingestion	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.	
Self-protection of the first aider	Use personal protective equipment as required.	
Most important symptoms and effects, both acute and delayed		
Symptoms	No known effects under normal use conditions.	
Indication of any immediate medical attention and special treatment needed		
Note to physicians	Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed.	

# 5. Fire-fighting measures

<u>Suitable extinguishing media</u> Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### Unsuitable extinguishing media No information available.

# Specific hazards arising from the chemical

None in particular.

Explosion data Sensitivity to mechanical impact None. Sensitivity to static discharge None.

Protective equipment and precautions for firefighters Use personal protective equipment as required.

# 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	Use personal protective equipment as required. Wash thoroughly after handling. Avoid contact with eyes.	
For emergency responders	Use personal protective equipment as required.	
Environmental precautions	Collect spillage. Do not allow into any sewer, on the ground or into any body of water.	
Methods and material for containment and cleaning up		
Methods for containment	Prevent further leakage or spillage if safe to do so.	
Methods for cleaning up	Avoid creating dust. Sweep up and shovel into suitable containers for disposal.	
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.	

7. Handling and Storage		
Precautions for safe handling		
Advice on safe handling	Use only in well-ventilated areas. Avoid contact with skin and eyes. Use personal protective equipment as required.	
Conditions for safe storage, including any incompatibilities		
Storage conditions	Keep container tightly closed in a dry and well-ventilated place. Store at ambient conditions.	
Incompatible materials	Incompatible with strong acids and bases.	

7 Handling and Storage

# 8. Exposure Controls/Personal Protection

# Control parameters

### Exposure guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 10 mg/m <sup>3</sup> total	IDLH: 5000 mg/m <sup>3</sup>
		dust	

# Appropriate engineering controls

<u></u>		
Engineering controls	Ensure adequate ventilation, especially in confined areas.	
Individual protection measures, suc	ch as personal protective equipment	
Eye/face protection	Wear safety glasses with side shields (or goggles).	
Skin and body protection	Wear protective gloves and protective clothing.	
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.	
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before reuse.	

# 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

Physical state Appearance Color	Solid Powder White	Odor Odor threshold	Characteristic No information available
Property pH Melting point/freezing point Boiling point / boiling range Flash point Evaporation rate Flammability (solid, gas) Flammability limit in air Upper flammability limit Lower flammability limit Lower flammability limit Vapor pressure Vapor density Specific gravity Water solubility Solubility in other solvents Partition coefficient Autoignition temperature Decomposition temperature Kinematic viscosity Dynamic viscosity Explosive properties Oxidizing properties	<u>Values</u> Insoluble in water	Remarks •   No information available   No information available	
<u>Other Information</u> Softening point Molecular weight VOC content (%) Density Bulk density	No information available No information available No information available No information available No information available		

# 10. Stability and Reactivity

### Reactivity No data available

<u>Chemical stability</u> Stable under normal conditions.

# Possibility of hazardous reactions

None under normal processing.

### Hazardous polymerization

Hazardous polymerization does not occur.

# Conditions to avoid None known.

Incompatible materials Strong oxidizing agents. Strong acids.

### Hazardous decomposition products

None under normal use conditions.

# **11. Toxicological Information**

### Information on likely routes of exposure

**Product information** 

Inhalation	No data available.
Eye contact	No data available.
Skin contact	No data available.
Ingestion	No data available.

### Component information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
Triethoxycaprylylsilane 2943-75-1	= 10060 µL/kg(Rat)	= 5910 µL/kg (Rabbit)	-

### Information on toxicological effects

Symptoms

No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No information available. Serious eye damage/eye irritation No information available. No information available. Irritation Corrosivity No information available. Sensitization No information available. Germ cell mutagenicity No information available. This product contains one or more substances which are classified by IARC as Carcinogenicity carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B).

Chemical name	ACGIH	IARC	NTP	OSHA
Titanium dioxide 13463-67-7		Group 2B		Х

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor) X - Present productive toxicity No information available.

Reproductive toxicityNo information available.Developmental toxicityNo information available.TeratogenicityNo information available.STOT - single exposureNo information available.STOT - repeated exposureNo information available.Aspiration hazardNo information available.

# 12. Ecological Information

### Ecotoxicity

None known

Persistence and degradability Not readily biodegradable.	
<b>Bioaccumulation</b> No information available.	
Other adverse effects	No information available
	13. Disposal Considerations
Waste treatment methods	
Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.
	14. Transport Information

DOT	Not regulated
ICAO (air)	Not regulated
IATA	Not regulated
IMDG	Not regulated
<u>RID</u>	Not regulated
ADR	Not regulated

### 15. Regulatory information

International inventories	
TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend: TSCA - United States Toxic Substances Control Act Section 8(b) Inventory DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### US Federal Regulations

### <u>SARA 313</u>

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories	
Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

# US State Regulations

### California Proposition 65

This product contains chemicals known to the state of California to cause birth defects or other reproductive harm

Chemical name	California Proposition 65
Titanium dioxide - 13463-67-7	Carcinogen

### U.S. State Right-to-Know Regulations

This product may contain substances regulated by state right-to-know regulations

Chemical name New Jersey		Massachusetts	Pennsylvania
Titanium dioxide	Х	Х	Х
13463-67-7			

16. Other information						
<u>NFPA</u>	Health Hazards 1	flammability 0	Instability 0	Physical and chemical properties -		
<u>HMIS</u>	Health Hazards 1	flammability 0	Physical Hazards 0	PERSONAL PROTECTION E		
Issue date Revision date Revision note	08-Jul-2014 08-Jul-2014					

**Disclaimer** 

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

### End of Safety Data Sheet