

**SHINAGAWA**  
**SPECIALTY CERAMICS**

# SAFETY DATA SHEET

Resin

**Wearpak 700**

Date Prepared : 03/01/2023

SDS No : Wearpak 700

Date Revised:

Revision No:

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Wearpak 700

**GENERAL USE:** Industrial Tile Adhesive

**PRODUCT DESCRIPTION:** Tile Adhesive

**PRODUCT CODE:** Wearpak 700; 99.0012, 99.0014,  
99.0017

### MANUFACTURER

SHINAGAWA Specialty Ceramics  
Americas, LLC.

4702 Route 982

Latrobe, PA 15650

**Customer Service:** 724-539-6000

### 24 HR. EMERGENCY TELEPHONE NUMBERS

INFOTRAC

1-352-323-3500 (International)

1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATIONS

#### Health:

Skin Sensitization, Category 1

Skin Corrosion, Category 1B

Serious Eye Damage, Category 2

Target Organ Toxicity (Repeated exposure), Category 2

### GHS LABEL



Exclamation  
mark



Health  
hazard

**SIGNAL WORD:** WARNING

### HAZARD STATEMENTS

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H373: May cause damage to organs through prolonged or repeated exposure.

### PRECAUTIONARY STATEMENTS

#### Prevention:

P103: Read label before use.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P262: Do not get in eyes, on skin, or on clothing.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P285: In case of inadequate ventilation wear respiratory protection.

#### Response:

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing.

P312: Call a POISON CENTER/doctor/...if you feel unwell.

P363: Wash contaminated clothing before reuse.

#### Storage:

P402+P404: Store in a dry place. Store in a closed container.

### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** Substance may be harmful if swallowed. May cause vomiting. High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis and loss of consciousness). Contact may cause eye irritation. Prolonged or repeated contact may cause skin irritation.

### POTENTIAL HEALTH EFFECTS

**EYES:** Serious eye damage/eye irritation

**SKIN:** Skin corrosion/irritation

**SKIN ABSORPTION:** May be absorbed through skin with prolonged and widespread contact.

**INGESTION:** Harmful if swallowed. May cause vomiting. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. May cause cardiovascular disorder and damage.

**INHALATION:** Prolonged or repeated exposure to fumes or mists may cause irritation.

**MEDICAL CONDITIONS AGGRAVATED:** Breathing problems, skin problems.

**ROUTES OF ENTRY:** Inhalation, ingestion, eyes, skin.

**TARGET ORGAN STATEMENT:** Respiratory system, lungs, skin, eyes.

**COMMENTS:** The health and safety hazards are listed separately for the resin and hardener. The final cured product is considered non-hazardous.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Oxirane, 2,2'-[[1-methylethylidene]bis(4,1-phenyleneoxymethylene)]bis-, Homopolymer	40 - 45	25085-99-8
Dibutylphthalate	5 - 10	84-74-2
Hydrogenated Castor Oil	1 - 5	8001-78-3
Titanium Dioxide	1 - 5	13463-67-7
Silica, Amorphous	0.01 - 1	112926-00-8
Silica, Crystalline	0.01 - 1	14808-60-7

**COMMENTS:** Exact percentages of ingredients are proprietary and are withheld as a trade secret.

### 4. FIRST AID MEASURES

**EYES:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists. Get medical advice/attention.

**SKIN:** Take off contaminated clothing. Wash with soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

**INGESTION:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**INHALATION:** Remove to fresh air. Oxygen or artificial respiration if needed. Call a physician if you feel unwell.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Redness, burning sensation, tearing (watering) of the eyes.

**SKIN:** Substance may cause slight skin irritation.

**INGESTION:** Burning, irritation, upset stomach, intestinal distress.

**INHALATION:** No adverse effects anticipated. Irritation may be caused if product is above room temperature.

**NOTES TO PHYSICIAN:** Treat symptomatically.

**5. FIRE FIGHTING MEASURES**

**EXTINGUISHING MEDIA:** Water spray (fog). Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam.

**EXPLOSION HAZARDS:** None

**FIRE FIGHTING PROCEDURES:** As in any fire, wear self-contained breathing apparatus operated in pressure-demand mode, (NIOSH approved or equivalent) and full protective gear.

**FIRE FIGHTING EQUIPMENT:** Carbon Dioxide, dry chemical or foam

**FIRE EXPLOSION:** None Expected.

**SENSITIVE TO STATIC DISCHARGE:** None

**SENSITIVITY TO IMPACT:** None

**6. ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:** Absorb spilled material and place in appropriate container for disposal.

**LARGE SPILL:** Use same methods described for small spills.

**ENVIRONMENTAL PRECAUTIONS**

**WATER SPILL:** Keep out of sewers, streams and waterways.

**SPECIAL PROTECTIVE EQUIPMENT:** Refer to Section 8, Exposure Control/Personal Protection.

**7. HANDLING AND STORAGE**

**GENERAL PROCEDURES:** Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace.

**HANDLING:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Use personal protection recommended in Section 8. Avoid breathing dust or fume. Contaminated work clothing should not be allowed out of the workplace.

**STORAGE:** Keep container tightly closed and in a well-ventilated place. Keep container dry.

**STORAGE TEMPERATURE:** 15°C (60°F) Minimum to 30°C (85°F) Maximum

**SHELF LIFE:** 1 Year

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****EXPOSURE GUIDELINES**

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Hydrogenated Castor Oil	TWA	[1]	[1]	[1]	[1]		
Titanium Dioxide	TWA		15 T		10	NL	NL
	STEL					NL	NL
Silica, Amorphous	TWA	20 mpp	80				
Silica, Crystalline	TWA	250 mpp	10		0.025	NL	NL
	STEL					NL	NL
<b>Footnotes:</b>							
1. Exposure limits not established.							

**ENGINEERING CONTROLS:** Ensure adequate ventilation, especially in confined areas.

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** Wear safety glasses with side shields. Chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent) are recommended.

**SKIN:** Coveralls or work clothes covering skin. Rubber gloves.

**RESPIRATORY:** Not normally needed if used in well ventilated area. In case of insufficient ventilation, wear suitable respiratory equipment.

**PROTECTIVE CLOTHING:** Impervious clothing as necessary to prevent skin contact.

**WORK HYGIENIC PRACTICES:** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**ODOR:** Sweet

**APPEARANCE:** Smooth Thick Paste

**COLOR:** White

**pH:** Not Determined

**PERCENT VOLATILE:** None known.

**FLASH POINT AND METHOD:** > 249°C (480°F)

**Notes:** Closed Container

**AUTOIGNITION TEMPERATURE:** > 249°C (480°F)

**VAPOR PRESSURE:** Not Determined

**VAPOR DENSITY:** Not Determined

**BOILING POINT:** Not Determined

**FREEZING POINT:** Not Determined

**MELTING POINT:** Not Determined

**POUR POINT:** Not Determined

**THERMAL DECOMPOSITION:** Not Determined

**SOLUBILITY IN WATER:** Negligible

**EVAPORATION RATE:** Not Determined

**DENSITY:** Not Determined

**SPECIFIC GRAVITY:** 1.5

**VISCOSITY:** Not Determined

**MOLECULAR WEIGHT:** Not Determined

**10. STABILITY AND REACTIVITY**

**REACTIVITY:** No

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Extreme heat.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Not reactive under normal conditions.

**HAZARDOUS DECOMPOSITION PRODUCTS:** When product burns it may form toxic materials such as carbon dioxide, carbon monoxide, various hydrocarbons, etc.

**INCOMPATIBLE MATERIALS:** Strong oxidizing agents. Acids. Bases. Amines.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE**

Chemical Name	ORAL LD <sub>50</sub>	DERMAL LD <sub>50</sub>	INHALATION LC <sub>50</sub>
Hydrogenated Castor Oil	> 2000 mg/kg bw/day (Rat)	> 2000 mg/kg bw/day (Rat)	> 1.86 mg/L (6h) Rat
Titanium Dioxide	> 10.000 mg/kg (Rat)	> 10.000 mg/kg (Rat)	

**EYE EFFECTS:** Causes serious eye irritation.

**SKIN EFFECTS:** Causes skin irritation. May cause an allergic skin reaction.

**CHRONIC:** Prolonged or repeated contact may cause asthma, skin sensitization and other allergic responses.

#### CARCINOGENICITY

Chemical Name	NTP Status	IARC Status
Titanium Dioxide		2B
Silica, Crystalline	1	1

**Notes:** The materials in this product do not separate from the mixture or in of themselves become airborne, therefore do not present a hazard in normal use.

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Not Determined

**BIOACCUMULATION/ACCUMULATION:** Not Determined

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of this product in accordance with all applicable local, state and federal regulations.

**PRODUCT DISPOSAL:** Combine resin and curative. The final cured material is considered nonhazardous. Landfill sealed containers with stabilized and solidified liquids in an approved area. May be incinerated at an appropriate facility. Unreacted components are a special waste. Check local, state and national/federal regulations and comply with the most stringent requirement.

**EMPTY CONTAINER:** Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Environmentally Hazardous Substance, Solid, N.O.S. (Dibutylphthalate) Marine Pollutant

**PRIMARY HAZARD CLASS/DIVISION:** 9

**UN/NA NUMBER:** 3077

**PACKING GROUP:** III

**U.S. SURFACE FREIGHT CLASS:** 55

**BULK FREIGHT CLASS:** Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

**LABEL:** Class 9

**MARINE POLLUTANT #1:** This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO.

### ROAD AND RAIL (ADR/RID)

**PROPER SHIPPING NAME:** Environmentally Hazardous Substance, Solid, N.O.S. (Dibutylphthalate) Marine Pollutant

**UN NUMBER:** 3077

**HAZARD CLASS:** 9

**PACKING GROUP:** III

### AIR (ICAO/IATA)

**SHIPPING NAME:** Environmentally Hazardous Substance, Solid, N.O.S. (Dibutylphthalate) Marine Pollutant

UN/NA NUMBER: 3077

PRIMARY HAZARD CLASS/DIVISION: 9

PACKING GROUP: III

**VESSEL (IMO/IMDG)**

SHIPPING NAME: Environmentally Hazardous Substance, Solid, N.O.S. (Dibutylphthalate) Marine Pollutant

UN/NA NUMBER: 3077

PRIMARY HAZARD CLASS/DIVISION: 9

PACKING GROUP: III

MARINE POLLUTANT #1: This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO.

**CANADA TRANSPORT OF DANGEROUS GOODS**

SHIPPING NAME: Environmentally Hazardous Substance, Solid, N.O.S. (Dibutylphthalate) Marine Pollutant

UN/NA NUMBER: 3077

PRIMARY HAZARD CLASS/DIVISION: 9

PACKING GROUP: III

**COMMENTS:** US DOT: ERG NO. 154 May be shipped as Limited Quantities in packaging having a rated capacity gross weight of 66 lb. or less and in inner packages not over 5 kg (49 CFR 173.154 (b,2))

**15. REGULATORY INFORMATION****UNITED STATES****DOT LABEL SYMBOL AND HAZARD CLASSIFICATION**

Class 9

Marine  
Pollutant**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

311/312 HAZARD CATEGORIES: Immediate &amp; Delayed

**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

Chemical Name	Wt.%	CAS
Dibutylphthalate	5 - 10	84-74-2

**CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)**

Chemical Name	Wt.%	CERCLA RQ
Dibutylphthalate	5 - 10	10

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, Homopolymer	25085-99-8
Dibutylphthalate	84-74-2
Hydrogenated Castor Oil	8001-78-3
Titanium Dioxide	13463-67-7
Silica, Crystalline	14808-60-7

**CALIFORNIA PROPOSITION 65:** WARNING: Contains chemical(s) known by the State of California to cause cancer.

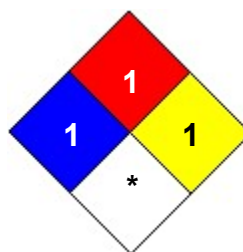
Chemical Name	Wt. %	Listed
Dibutylphthalate	5 - 10	<ul style="list-style-type: none"> <li>• Cancer</li> <li>• Developmental Toxicity</li> <li>• Female Reproductive</li> <li>• Male Reproductive</li> </ul>

**CANADA****WHMIS HAZARD SYMBOL AND CLASSIFICATION**

Toxic

**16. OTHER INFORMATION****PREPARED BY:** Shani Vagnoni-Hull**Date:** 03/01/2023**REVISION SUMMARY:** NA**NFPA CODES****HMIS RATING**

<b>HEALTH</b>	*	<b>1</b>
<b>FLAMMABILITY</b>		<b>1</b>
<b>PHYSICAL HAZARD</b>		<b>1</b>
<b>PERSONAL PROTECTION</b>		*

**COMMENTS:** \* = Section 8

**MANUFACTURER DISCLAIMER:** The information provided in this 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.