SHINAGAWA SPECIALTY CERAMICS

SAFETY DATA SHEET

SHINDURAPAK™ 700 - Resin

SDS No: 99.0017-R
Date Prepared: 02/15/2023
Revision: 1

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SHINDURAPAK™ 700 - Resin
GENERAL USE: Industrial Tile Adhesive
PRODUCT DESCRIPTION: Tile Adhesive
PRODUCT CODE: SHINDURAPAK™

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)VelocityEHS

SECTION 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 PICTOGRAMS


GHS07


GHS08


GHS09

SIGNAL WORD: Warning

HAZARD STATEMENTS

- H315: Causes Skin irritation.
- H317: May cause 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/vapors/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 O F 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

SECTION 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
Dibutyl Phthalate	5-10	84-74-2
Hydrogenated Castor Oil	1-5	8001-78-3
Titanium Dioxide	1-5	13463-67-7
Silica, Amorphous	.01-1	112926-00-8
Silica, Crystalline	.01-1	14808-60-7

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

SECTION 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 O F 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.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water spray (fog). Carbon dioxide (CO2). Dry chemical. Foam.
EXPLOSION HAZARDS: None Expected**.**
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 / EXPLOSION HAZARD: None Expected
SENSITIVE TO STATIC DISCHARGE: None
SENSITIVITY TO IMPACT: None

SECTION 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 HAZARD – Contain Spill: Keep out of drains, streams, and waterways**.**
SPECIAL PROTECTIVE EQUIPMENT: Refer to Section 8, Exposure Control/Personal Protection

SECTION 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 away from moisture.

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

SHELF LIFE: 1 Year

SECTION 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/m³**	**ppm**	**mg/m³**	**ppm**	**mg/m³**
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**	250mpp	10		0.025	NL	NL
	STEL					NL	NL
Footnotes: [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 while mixing.
SKIN: Coveralls or work clothes covering skin. Rubber gloves**.**
RESPIRATORY: Use general mechanical ventilation. Use NIOSH approved respirator in enclosed or poorly ventilated areas. Use dust mask when grinding cured epoxy.
PROTECTIVE CLOTHING: Impervious clothing as necessary to prevent skin contact.
WORK HYGIENIC PRACTICES: Handle in accordance with good industrial hygiene and safety practice

SECTION 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: Water Soluble
EVAPORATION RATE: Not Determined
DENSITY: Not Determined
SPECIFIC GRAVITY: 1.5
VISCOSITY: Not Determined
MOLECULAR WEIGHT: Not Determined

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: No
STABILITY: Stable under normal usage conditions.
CONDITIONS TO AVOID: Extreme heat
POSSIBILITY OF HAZARDOUS REACTIONS: Can react with strong oxidizing agents, mineral acids, mineral bases.
HAZARDOUS DECOMPOSITION PRODUCTS: When product burns it may form toxic materials such as carbon dioxide, carbon monoxide, various hydrocarbons, etc.
INCOMPATIBLE MATERIALS: Organic Acids, aliphatic amines, organic bases, sodium, calcium, hypochlorite's, and peroxides

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD_{50}	DERMAL LD_{50}	INHALATION LC_{50}
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)	Not Available

INHALATION EFFECTS: Not a normal route of exposure. May cause respiratory tract irritation.
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.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Not Determined
BIOACCUMULATION/ACCUMULATION: Not Determined

SECTION 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.

SECTION 14: TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

SHIPPING NAME: Environmentally Hazardous Substance, solid, N.O.S. (dibutyl phthalate) 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)

SHIPPING NAME: Environmentally Hazardous Substance, solid, N.O.S. (dibutyl phthalate) Marine Pollutant
UN/NA NUMBER: 3077
PACKING GROUP: III
LABEL: Class 9

AIR (ICAO/IATA)

SHIPPING NAME: Environmentally Hazardous Substance, solid, N.O.S. (dibutyl phthalate) Marine Pollutant
UN/NA NUMBER: 3077
PACKING GROUP: III
LABEL: Class 9

VESSEL (IMO /IMDG)

SHIPPING NAME: Environmentally Hazardous Substance, solid, N.O.S. (dibutyl phthalate) Marine Pollutant
UN/NA NUMBER: 3077
PACKING GROUP: III
LABEL: Class 9
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. (dibutyl phthalate) Marine Pollutant
UN/NA NUMBER: 3077
PRIMARY HAZARD CLASS/DIVISION: 9
PACKING GROUP: III
LABEL: Class 9

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)

SECTION 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 & Delayed

EPCRA SECTION 313 SUPPLIER NOTIFICATION

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

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

Chemical Name	Wt.%	CERCLA RQ (Lb.)
Dibutyl phthalate	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
Dibutyl phthalate	84-74-2
Hydrogenated Castor Oil	8001-78-3
Titanium Dioxide	13463-67-7
Silica, Crystalline	1408-60-7

STATE REGULATIONS

US CALIFORNIA PROPOSITION 65:

WARNING: This product can expose you to chemicals including dibutyl phthalate, which are known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

Chemical Name	Wt.%	Listed
Dibutyl phthalate	5-10	• Cancer • Developmental Toxicity • Female Reproductive • Male Reproductive

CANADA
WHMIS HAZARD SYMBOL AND CLASSIFICATION



Toxic

SECTION 16: OTHER INFORMATION

PREPARED BY: David Closser
REVISION DATE: 05/01/2026

HMIS™ RATING

HEALTH *	1
FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	*

NFPA™ 704 CODES



HMIS RATINGS NOTES: * = Section 8

Approximate HMIS and NFPA Ratings Legend:

0 = Low or None; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe

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.