SHINAGAWA
SPECIALTY CERAMICS

SAFETY DATA SHEET

Hardener

Wearpak 714

Date Prepared : 03/01/2023
SDS No : WearPak 714

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Wearpak 714
GENERAL USE: Industrial Tile Adhesive
PRODUCT DESCRIPTION: High Temperature Tile Adhesive
PRODUCT CODE: Wearpak 714; 99.0149, 0028; 0038

MANUFACTURER

SHINAGAWA Specialty Ceramics
Americas
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:

Acute Toxicity (Oral), Category 4
Skin Corrosion, Category 1B
Eye Irritation, Category 2
Serious Eye Damage, Category 2
Acute Hazards to the Aquatic Environment, Category 1
Chronic Hazards to the Aquatic Environment, Category 1
Skin Sensitization, Category 1
Reproductive Toxicity, Category 2

GHS LABEL

Health hazard | Exclamation mark | Environment | Corrosion

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H361fd: Suspected of damaging fertility. Suspected of damaging the unborn child.
H410: Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Prevention:

P102: Keep out of reach of children.

P202: Do not handle until all safety precautions have been read and understood.
P233: Keep container tightly closed.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P363: Wash contaminated clothing before reuse.

Response:

P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.
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].
P304+P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313: Get medical advice/attention.

Storage:

P404: Store in a closed container.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Grey gritty paste

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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Silica, Crystalline	55 - 60	14808-60-7
4-nonylphenol, Branched	15 - 20	84852-15-3
Ceramic Microspheres	10 - 15	66402-68-4
Benzyl Alcohol	5 - 10	100-51-6
formaldehyde, polymer with benzenamine, hydrogenated	5 - 10	135108-88-2
cyclohexanamine, 4,4'-methylenebis-	5 - 10	1761-71-3
Diethylmethylbenzenediamine	5 - 10	68479-98-1

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: Treat symptoms

SKIN: Treat symptoms

SKIN ABSORPTION: Treat symptoms

INGESTION: Treat symptoms

INHALATION: Treat symptoms

ACUTE EFFECTS: Corrosive to eyes, skin and mucous membranes, which can result in strong irritation, burning and tissue damage. High vapor concentrations can cause severe eye and respiratory tract irritation, coughing and labored breathing. Prolonged or repeated contact may cause asthma, skin sensitization and other allergic responses.

NOTES TO PHYSICIAN: Treat symptomatically.

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 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/m³**	**ppm**	**mg/m³**	**ppm**	**mg/m³**
Silica, Crystalline	**TWA**	250mpp	10		0.025	NL	NL
	STEL					NL	NL

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

Chemical Name	Flash Point (°C)
Benzyl Alcohol	200

ODOR: Ammonia

APPEARANCE: Smooth Thick Paste

COLOR: Tan

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: Slight

EVAPORATION RATE: Not Determined

DENSITY: Not Determined

SPECIFIC GRAVITY: 1.67

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_{50}	DERMAL LD_{50}	INHALATION LC_{50}
4-nonylphenol, Branched	1300 mg/kg (Rat)	3160 mg/kg (Rabbit)	
Benzyl Alcohol	1230	2000	1000

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
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

AQUATIC TOXICITY (ACUTE): Many aquatic species are intolerant to corrosive material such as the unreacted curing agent.

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.

EUROPEAN WASTE CATALOGUE: 08 04 09

GENERAL COMMENTS: 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.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATIO N)

PROPER SHIPPING NAME: Not regulated for transport as a dangerous material.

U.S. SURFACE FREIGHT CLASS: 55

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Not regulated for transport as a dangerous material.

SPECIAL PROVISIONS: No special precautions.

AIR (ICAO/IATA)

SHIPPING NAME: Not regulated for transport as a dangerous material.

VESSEL (IMO/IMDG)

SHIPPING NAME: Not regulated for transport as a dangerous material.

SPECIAL PROVISIONS: No special precautions.

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Not regulated for transport as a dangerous material.

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION

Not classified as hazardous.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Immediate & Delayed

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Silica, Crystalline	14808-60-7
4-nonylphenol, Branched	84852-15-3
Ceramic Microspheres	66402-68-4
Benzyl Alcohol	100-51-6
formaldehyde, polymer with benzenamine, hydrogenated	135108-88-2
cyclohexanamine, 4,4'-methylenebis-	1761-71-3
Diethylmethylbenzenediamine	68479-98-1

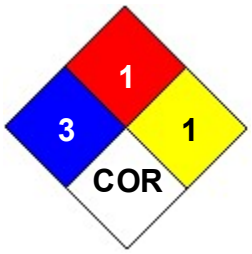
16. OTHER INFORMATIO N

PREPARED BY: Shani Vagnoni-Hull
Date Prepared: 03.01/2023

HMIS RATING

HEALTH	*	3
FLAMMABILITY		1
PHYSICAL HAZARD		1
PERSONAL PROTECTION		*

NFPA CODES



HMIS RATINGS NOTES: * = Section 8

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