SHINAGAWA
SPECIALTY CERAMICS

Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Prepared: August 10, 2018 Revision: May 01, 2026

1 Identification

· **Product identifier**

· **Trade name:** SHINDURAPAK™ 756 Red

· **Other means of identification:** No other identifiers

· **Recommended use and restriction on use**
· **Recommended use:** Adhesives
· **Restrictions on use:** No relevant information available.

· **Manufacturer/Supplier:**
Shinagawa Specialty Ceramics Americas, LLC
4702 Route 982
Latrobe, PA 15650
724-539-6000

24 Hour Emergency Number:

INFOTRAC: 1-352-323-3500 (International) 1-800-535-5053 (North America)

2 Hazard(s) identification

· **Classification of the substance or mixture**
The product is not classified as hazardous according to the Globally Harmonized System (GHS).

· **Label elements**
· **GHS label elements** Not regulated.
· **Hazard pictograms:** Not regulated.
· **Signal word:** Not regulated.
· **Hazard statements:** Not regulated.
· **Precautionary statements:** Not regulated.

· **Other hazards** There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Components:**		
7631-86-9	Silicon dioxide	5-10%
64742-46-7	Distillates (petroleum), hydtrotreated middle	5-10%
1332-37-2	Iron oxide	1-5%

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13463-67-7	Titanium dioxide Carc. 2, H351	1-5%
7429-90-5	Aluminium Pyr. Sol. 1, H250; Water-react. 2, H261	1-5%
1333-86-4	Carbon black Carc. 2, H351	0.1-1%
64-19-7	Acetic acid Flam. Liq. 3, H226 Met. Corr.1, H290; Skin Corr. 1A, H314 Acute Tox. 4, H332	<0.1%
108-24-7	Acetic anhydride Flam. Liq. 3, H226 Skin Corr. 1B, H314 Acute Tox. 4, H302; Acute Tox. 4, H332	<0.1%

· **Additional information:**
For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.
For the wording of the listed Hazard Statements, refer to section 16.
Non-classification as a carcinogen is based on non-inhalable form of product. IARC listings for carbon black and TiO_2 note that the substance must be respirable.

4 First-aid measures

· **Description of first aid measures**
· **After inhalation:**
Respiration of particulates is unlikely during normal usage.
Supply fresh air; consult doctor in case of complaints.
· **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation is experienced, consult a doctor.
· **After eye contact:**
Remove contact lenses if worn, if possible.
Rinse eyes open for several minutes under running water. If symptoms persist, consult a doctor.
· **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; immediately call for medical help.
· **Most important symptoms and effects, both acute and delayed:**
Headache
Nausea in case of ingestion.
May cause gastro-intestinal irritation if ingested.
· **Indication of any immediate medical attention and special treatment needed:**
If medical advice is needed, have product container or label at hand.

5 Fire-fighting measures

· **Extinguishing media**
· **Suitable extinguishing agents:**
The product is not flammable.

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Use fire-fighting measures that suit the environment.
· **For safety reasons unsuitable extinguishing agents:** None.
· **Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
· **Advice for firefighters**
· **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation.
Use personal protective equipment as required.
Use respiratory protective device against the effects of fumes/dust/aerosol.
· **Environmental precautions**
Do not allow undiluted products or large quantities of it to reach ground water, water course or sewage system.
· **Methods and material for containment and cleaning up**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Send for recovery or disposal in suitable receptacles.
· **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

· **Handling**
· **Precautions for safe handling:**
Use only in well-ventilated areas.
Open and handle receptacle with care.
Keep out of reach of children.
· **Information about protection against explosions and fires:**
Keep respiratory protective device available.

· **Conditions for safe storage, including any incompatibilities**
· **Requirements to be met by storerooms and receptacles:**
Store in cool, dry conditions in well-sealed receptacles.
· **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from oxidizing agents.
· **Specific end use(s)** No relevant information available.

8 Exposure controls/personal protection

· **Control parameters**

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· **Components with limit values that require monitoring at the workplace:**

7631-86-9 Silicon dioxide

NIOSH REL (USA)	Long-term value: 6 mg/m³
OSHA PEL (USA)	Long-term value: 80 mg/m³

1332-37-2 Iron oxide

REL (USA)	Long-term value: 1 mg/m³ as Fe
TLV (USA)	Long-term value: 1 mg/m³ as Fe
LMPE (Mexico)	Long-term value: 1 mg/m³ como Fe

13463-67-7 Titanium dioxide

PEL (USA)	Long-term value: 15* mg/m³ *total dust
REL (USA)	See Pocket Guide App. A
TLV (USA)	Long-term value: 10 mg/m³
EL (Canada)	Long-term value: 10* 3** mg/m³ *total dust;**respirable fraction; IARC 2B
EV (Canada)	Long-term value: 10 mg/m³ total dust
LMPE (Mexico)	Long-term value: 10 mg/m³ A4

1333-86-4 Carbon black

PEL (USA)	Long-term value: 3.5 mg/m³
REL (USA)	Long-term value: 3.5* mg/m³ *0.1 in presence of PAHs;See Pocket Guide Apps.A+C
TLV (USA)	Long-term value: 3* mg/m³ *inhalable fraction
EL (Canada)	Long-term value: 3 mg/m³ IARC 2B
EV (Canada)	Long-term value: 3.5 mg/m³
LMPE (Mexico)	Long-term value: 3* mg/m³ A3, *fracción inhalable

64-19-7 Acetic acid

PEL (USA)	Long-term value: 25 mg/m³, 10 ppm
REL (USA)	Short-term value: 37 mg/m³, 15 ppm Long-term value: 25 mg/m³, 10 ppm
TLV (USA)	Short-term value: 37 mg/m³, 15 ppm Long-term value: 25 mg/m³, 10 ppm
EL (Canada)	Short-term value: 15 ppm Long-term value: 10 ppm
EV (Canada)	Short-term value: 37 mg/m³, 15 ppm Long-term value: 25 mg/m³, 10 ppm
LMPE (Mexico)	Short-term value: 15 ppm

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	Long-term value: 10 ppm
108-24-7 Acetic anhydride	
PEL (USA)	Long-term value: 20 mg/m³, 5 ppm
REL (USA)	Ceiling limit value: 20 mg/m³, 5 ppm
TLV (USA)	Long-term value: 4 mg/m³, 1 ppm Ceiling limit value: 3 ppm
EL (Canada)	Short-term value: 3 ppm Long-term value: 1 ppm
LMPE (Mexico)	Short-term value: 3 ppm Long-term value: 1 ppm A4

· **Exposure controls**

· **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Do not breathe dust/fume/gas/mist/vapors/spray.
Avoid contact with the eyes and skin.

· **Engineering controls:** Use only outdoors or in a well-ventilated area.

· **Breathing equipment:**
Not required under normal conditions of use.
Wear appropriate NIOSH respirator when ventilation is inadequate and occupational exposure limits are exceeded.
NIOSH or EU approved dust respirator should be used for operations generating dust.

· **Protection of hands:**
Not required under normal conditions of use.
Wear protective gloves to handle contents of damaged or leaking units.
The glove material must be impermeable and resistant to the product/ the substance/ the preparation.

· **Eye protection:** Follow relevant national guidelines concerning the use of protective eyewear.

· **Body protection:** Not required under normal conditions of use.

· **Limitation and supervision of exposure into the environment**
Avoid release to the environment.

· **Risk management measures** No relevant information available.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **Appearance:**	
Form:	Paste
Color:	According to product specification
· **Odor:**	Vinegar-like.
· **Odor threshold:**	Not determined.
· **pH-value:**	Not determined.
· **Melting point/Melting range:**	Not determined.
· **Boiling point/Boiling range:**	Not determined.

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· **Flash point:**	>100 °C (>212 °F) (closed cup)
· **Flammability (solid, gaseous):**	Not applicable.
· **Auto-ignition temperature:**	Not determined.
· **Decomposition temperature:**	Not determined.
· **Danger of explosion:**	Product does not present an explosion hazard.
· **Explosion limits**	
Lower:	Not determined.
Upper:	Not determined.
· **Oxidizing properties:**	Not determined.
· **Vapor pressure:**	Not determined.
· **Density:**	
Relative density:	1.007
Vapor density:	Not determined.
Evaporation rate:	Not determined.
· **Solubility in / Miscibility with**	
Water:	Not miscible or difficult to mix.
· **Partition coefficient (n-octanol/water):**	Not determined.
· **Viscosity**	
Dynamic:	Not determined.
Kinematic:	Not determined.
· **Other information**	No relevant information available.

10 Stability and reactivity

· **Reactivity:** No relevant information available.
· **Chemical stability:** Stable under normal temperatures and pressures.
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
· **Possibility of hazardous reactions**
Toxic fumes may be released if heated above the decomposition point.
· **Conditions to avoid** Excessive heat and contact with oxidizers.
· **Incompatible materials** Oxidizing agents
· **Hazardous decomposition products**
Carbon monoxide and carbon dioxide
Toxic metal oxide smoke

11 Toxicological information

· **Information on toxicological effects**
· **Acute toxicity:** Based on available data, the classification criteria are not met.
· **LD/LC50 values that are relevant for classification:** None.

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· **Primary irritant effect:**
· **On the skin:** Based on available data, the classification criteria are not met.
· **On the eye:** Based on available data, the classification criteria are not met.
· **Sensitization:** Based on available data, the classification criteria are not met.
· **IARC (International Agency for Research on Cancer):**
Reference to titanium dioxide is based on unbound respirable particles and is not applicable to the product as supplied.

13463-67-7	Titanium dioxide	2B
1333-86-4	Carbon black	2B

· **NTP (National Toxicology Program):**

None of the ingredients are listed.

· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

· **Probable route(s) of exposure:**
Ingestion.
Eye contact.
Skin contact.
· **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
· **Carcinogenicity:**
Contains known or suspect carcinogens when inhaled. Product is in non-inhalable form and is nonclassifiable as a carcinogen.
· **Reproductive toxicity:** Based on available data, the classification criteria are not met.
· **STOT-single exposure:** Based on available data, the classification criteria are not met.
· **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
· **Aspiration hazard:** Based on available data, the classification criteria are not met.

12 Ecological information

· **Toxicity**
· **Aquatic toxicity** No relevant information available.
· **Persistence and degradability** No relevant information available.
· **Bioaccumulative potential:** No relevant information available.
· **Mobility in soil:** No relevant information available.
· **Additional ecological information**
· **General notes:**
Avoid release to the environment.
Do not allow undiluted products or large quantities of it to reach ground water, water course or sewage system.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects** No relevant information available.

13 Disposal considerations

· **Waste treatment methods**

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Trade name: SHINDURAPAK™ 756 Red

· **Recommendation:**
Smaller quantities can be disposed of with household waste.
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

· **Uncleaned packagings**
· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **UN-Number**	
· **DOT, ADR, IMDG, IATA**	Not regulated.
· **UN proper shipping name**	
· **DOT, ADR, IMDG, IATA**	Not regulated.
· **Transport hazard class(es)**	
· **DOT, ADR, IMDG, IATA**	
· **Class**	Not regulated.
· **Packing group**	
· **DOT, ADR, IMDG, IATA**	Not regulated.
· **Environmental hazards**	
· **Marine pollutant:**	No
· **Special precautions for user**	Not applicable.
· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **United States (USA)**
· **SARA**

· **Section 302 (extremely hazardous substances):**	
None of the ingredients are listed.	
· **Section 355 (extremely hazardous substances):**	
None of the ingredients are listed.	
· **Section 313 (Specific toxic chemical listings):**	
7429-90-5	Aluminium
· **TSCA (Toxic Substances Control Act)**	
All ingredients are listed.	

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· **Proposition 65 (California)**
· **Chemicals known to cause cancer:**
Reference to chemical component(s) listed below are based on unbound respirable particles and are not generally applicable to product as supplied.

13463-67-7	Titanium dioxide
1333-86-4	Carbon black

· **Chemicals known to cause developmental toxicity for females:**
None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity for males:**
None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**
None of the ingredients are listed.

· **EPA (Environmental Protection Agency):**
None of the ingredients are listed.

· **IARC (International Agency for Research on Cancer):**
Reference to chemical component(s) listed below are based on unbound respirable particles and are not generally applicable to product as supplied.

13463-67-7	Titanium dioxide	2B
1333-86-4	Carbon black	2B

· **Canadian Domestic Substances List (DSL) (Substances not listed.):**
All ingredients are listed.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Abbreviations and acronyms:**
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistant, Bio-accumulable, Toxic
vPvB: very Persistent and very Bioaccumulative
OSHA: Occupational Safety & Health Administration
Flam. Liq. 3: Flammable liquids – Category 3
Pyr. Sol. 1: Pyrophoric solids – Category 1
Water-react. 2: Substances and mixtures which in contact with water emit flammable gases – Category 2
Met. Corr.1: Corrosive to metals – Category 1
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Carc. 2: Carcinogenicity – Category 2
· **Sources**
Website, European Chemicals Agency (echa.europa.eu)
Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)

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Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6
Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.
Safety Data Sheets, Individual Manufacturers

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