

Safety Data Sheet**Section 1: Identification****Product identifier****Product Name**

- **O457C2**

Product Code

- O457C2 JP-EN

Product Description

- Abrasive Polishing Compound: yellow to brown paste.

Relevant identified uses of the substance or mixture and uses advised against**Recommended use**

- Abrasive Polishing Compound

Details of the supplier of the safety data sheet**Manufacturer**

- Saint-Gobain Ceramic Materials, Inc.
Innovative Organics
4905 East Hunter Avenue, Anaheim, CA 92807
United States
<http://www.surfaceconditioning.saint-gobain.com/>
SDS.Contact@Saint-Gobain.com

Telephone (General) • 714-701-3900 - (7:30AM - 4:30PM PST)

Emergency telephone number

- CHEMTREC: North America 1-800-424-9300 International 1-703-527-3887.

Section 2: Hazard Identification**UN GHS**

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Classification of the substance or mixture**UN GHS**

- Hazardous to the aquatic environment Chronic 3
Avoid release to the environment.

Label elements**UN GHS**

- Hazard statements** • Harmful to aquatic life with long lasting effects

Precautionary statements

- Prevention** • Wear protective gloves/protective clothing/eye protection/face protection.
Avoid release to the environment.

- Storage/Disposal** • Store in a well-ventilated place. Keep container tightly closed.
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

- GHS Other Information** • If in eyes: this material may cause mechanical irritation.

Other hazards

UN GHS

- According to the Globally Harmonized System for Classification and Labeling (GHS) this product is considered hazardous.

Refer to section 16 - Other Information for full text of H and P phrases.

Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance.

Mixtures

Composition			
Chemical Name	Identifiers	%	Classifications According to Regulation/Directive
Industrial grease mixture		60% TO 95%	UN GHS: Aquatic Chronic 3
Odorless Mineral Spirits	CAS:64742-47-8 EC Number:947-241-2	5% TO 20%	UN GHS: Asp. Tox. 1; STOT SE 3: Narc.; Flam. Liq. 3
Diamond	CAS:7782-40-3 EC Number:231-953-2	0% TO 20%	UN GHS:

This product does not contain any additional significantly hazardous material according to UN GHS. The composition of this product is proprietary.

Key to abbreviations

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

UN = United Nations

Section 4: First-Aid Measures

Description of first aid measures

Inhalation

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Get medical attention immediately if symptoms occur.

Skin

- IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

- Never give anything by mouth to an unconscious person. If swallowed, do NOT induce vomiting unless directed to do so by medical personnel.

Most important symptoms and effects, both acute and delayed

- Skin or eye irritation, stomach ache, nausea, dizziness, diarrhea, vomiting or headache. Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

- Treat symptomatically.

See Section 11 for Toxicological Information.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media • LARGE FIRES: Water spray, fog or alcohol-resistant foam.
SMALL FIRES: Dry chemical, CO₂, water spray or alcohol-resistant foam.

Unsuitable Extinguishing Media • High pressure water stream.

Firefighting Procedures • Keep unauthorized personnel away.
LARGE FIRES: Do not scatter spilled material with high pressure water streams.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • Some may burn, but none ignite readily.

Hazardous Combustion Products • Combustion products may include and are not limited to: Nitrogen oxides, carbon monoxide and carbon dioxide.
Unidentified organic compounds may be formed in fumes and smoke during combustion.

Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions • Do not walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use appropriate Personal Protective Equipment (PPE)

Emergency Procedures • Keep unauthorized personnel away. Keep out of low areas.

Environmental precautions

- Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Containment/Clean-up Measures • Stop leak if you can do it without risk.
Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Other Information

- Caution: spill area may become slippery.

Section 7 - Handling and Storage

Precautions for safe handling

Handling • Use only with adequate ventilation. Wear appropriate personal protective equipment, avoid direct contact. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

Conditions for safe storage, including any incompatibilities

Storage • Keep container tightly closed. Keep from direct sunlight. Store in a cool/low-temperature, well-ventilated place.

Refer to Section 8 - Exposure Controls/Personal Protection.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines • None established.

Exposure controls

Engineering Measures/Controls

- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment

Pictograms



Respiratory

- Under normal conditions, respiratory protection is not necessary. Respiratory protection recommended in misting environments.

Eye/Face

- Wear safety goggles.

Hands

- Wear appropriate gloves.

Skin/Body

- Wear protective gloves/protective clothing/eye protection/face protection.

General Industrial Hygiene Considerations

- Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls

- Prevent entry into waterways, sewers, basements or confined areas.

Key to abbreviations

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid Paste	Color	Clear Yellow.
Odor	Mild hydrocarbon odor.	Odor Threshold	No data available
General Properties			
Boiling Point	No data available	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	No data available
Specific Gravity/Relative Density	0.9 to 1.2 @ 4 °C(39.2 °F) Water=1	Water Solubility	Insoluble
Viscosity	No data available		
Volatility			
Vapor Pressure	< 0.005 hPa estimated	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability			
Flash Point	>= 200 °C(>= 392 °F) estimated	UEL	10 %
LEL	1 %	Autoignition	> 320 °C(> 608 °F) estimated
Flammability (solid, gas)	Not relevant.		

Environmental

Octanol/Water Partition coefficient	> 6 Kow estimated		
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Section 10: Stability and Reactivity**Reactivity**

- No dangerous reaction known under conditions of normal use.

Chemical stability

- Stable under normal temperatures and pressures.

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- Keep away from heat, sparks and flame. Incompatible materials.

Incompatible materials

- No data available.

Hazardous decomposition products

- Hazardous decomposition may occur during combustion, generating oxides of carbon and nitrogen, .

Section 11 - Toxicological Information**Information on toxicological effects**

Other Material Information • If in eyes: this material may cause mechanical irritation.

GHS Properties	Classification
Acute toxicity	UN GHS • Acute Toxicity - Classification criteria not met; Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met
Skin corrosion/Irritation	UN GHS • Classification criteria not met
Serious eye damage/Irritation	UN GHS • Classification criteria not met
Skin sensitization	UN GHS • Classification criteria not met
Respiratory sensitization	UN GHS • Classification criteria not met
Aspiration Hazard	UN GHS • Classification criteria not met
Carcinogenicity	UN GHS • Classification criteria not met
Germ Cell Mutagenicity	UN GHS • Classification criteria not met
Toxicity for Reproduction	UN GHS • Classification criteria not met
STOT-SE	UN GHS • Classification criteria not met
STOT-RE	UN GHS • Classification criteria not met

Potential Health Effects**Inhalation****Acute (Immediate)**

- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- Under normal conditions of use, no health effects are expected.

Skin**Acute (Immediate)**

- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- Under normal conditions of use, no health effects are expected.

Eye**Acute (Immediate)**

- May cause mechanical irritation. Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- Under normal conditions of use, no health effects are expected.

Ingestion**Acute (Immediate)**

- Under normal conditions of use, no health effects are expected. Swallowing large amounts may cause injury.

Chronic (Delayed)

- Under normal conditions of use, no health effects are expected.

Carcinogenic Effects

- No component of this material in amounts greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC, NTP, or OSHA.

Key to abbreviations

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

Section 12 - Ecological Information

Toxicity

- Technical impossibility to obtain data.

Persistence and degradability

- Not readily biodegradable.

Bioaccumulative potential

- No data available.

Mobility in Soil

- Floats on water. Semi-solid under most environmental conditions.

Results of PBT and vPvB assessment

- The components of this material do not meet the criteria for classification as PBT or vPvB.

Other adverse effects

- No studies have been found.

Other Information

- No data available.

Key to abbreviations

PBT = Persistent Bioaccumulative and Toxic

vPvB = very Persistent and very Bioaccumulative

Section 13 - Disposal Considerations

Waste treatment methods**Product waste**

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

Special precautions for user

- None specified.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- This product is provided only in non-bulk containers.

Other information

- This material is not a regulated hazardous material with respect to the following transportation regulations: United States Department of Transportation (US DOT), International Air Transport Association (IATA), or International Maritime Dangerous Goods (IMDG).

Key to abbreviations

NDA = No Data Available

Section 15 - Regulatory Information**Safety, health and environmental regulations/legislation specific for the substance or mixture**

Inventory			
Component	CAS	Japan ENCS	TSCA
Diamond	7782-40-3	No	Yes
Odorless Mineral Spirits	64742-47-8	No	Yes

Japan**Labor****Japan - ISHL Dangerous Substances**

• Diamond	7782-40-3	Not Listed
• Odorless Mineral Spirits	64742-47-8	Flammable substance (listed under Substances whose flash points are ≥ 30 °C and < 65 °C)

Japan - ISHL Designated Carcinogens

• Diamond	7782-40-3	Not Listed
• Odorless Mineral Spirits	64742-47-8	Not Listed

Japan - ISHL Harmful Substances Prohibited for Manufacture

• Diamond	7782-40-3	Not Listed
• Odorless Mineral Spirits	64742-47-8	Not Listed

Japan - ISHL Harmful Substances Requiring Workers to Subject to Medical Exams

• Diamond	7782-40-3	Not Listed
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• Odorless Mineral Spirits	64742-47-8	Not Listed
Japan - ISHL Harmful Substances Subject to Obtaining Permission for Manufacturing		
• Diamond	7782-40-3	Not Listed
• Odorless Mineral Spirits	64742-47-8	Not Listed
Japan - ISHL Harmful Substances Whose Names Are to be Indicated on the Label		
• Diamond	7782-40-3	Not Listed
• Odorless Mineral Spirits	64742-47-8	>=1 % weight (listed under Mineral spirits)
Japan - ISHL Prevention of Lead Poisoning		
• Diamond	7782-40-3	Not Listed
• Odorless Mineral Spirits	64742-47-8	Not Listed
Japan - ISHL Mutagens - Existing Chemicals		
• Diamond	7782-40-3	Not Listed
• Odorless Mineral Spirits	64742-47-8	Not Listed
Japan - ISHL Mutagens - New Chemicals		
• Diamond	7782-40-3	Not Listed
• Odorless Mineral Spirits	64742-47-8	Not Listed
Japan - ISHL Notifiable Substances		
• Diamond	7782-40-3	Not Listed
• Odorless Mineral Spirits	64742-47-8	>=1 % weight [Ordinance Table 2] (listed under Mineral spirits)
Japan - ISHL Prevention of Organic Solvent Poisoning		
• Diamond	7782-40-3	Not Listed
• Odorless Mineral Spirits	64742-47-8	Class 3 Organic Solvent (listed under Mineral spirits)

Environment**Japan - Pollutant Release Transfer Register (PRTR) - Class 1 Substances**

• Diamond	7782-40-3	Not Listed
• Odorless Mineral Spirits	64742-47-8	Not Listed

Japan - Pollutant Release Transfer Register (PRTR) - Class 2 Substances

• Diamond	7782-40-3	Not Listed
• Odorless Mineral Spirits	64742-47-8	Not Listed

Inventory - Japan - Industrial Safety and Health Law Substances (ISHL)

• Diamond	7782-40-3	Not Listed
• Odorless Mineral Spirits	64742-47-8	Not Listed

Other**Japan - Chemical Substance Control Law (CSCL) - Examined Existing Chemical Substances**

• Diamond	7782-40-3	Not Listed
• Odorless Mineral Spirits	64742-47-8	Not Listed

Japan - Fire Service Law - Hazardous Materials

• Diamond	7782-40-3	Not Listed
• Odorless Mineral Spirits	64742-47-8	Group 4 - Flammable liquids III (listed under 2nd Class)

petroleums - insoluble)

Japan - Chemical Substance Control Law (CSCL) - Monitoring Chemical Substances

• Diamond	7782-40-3	Not Listed
• Odorless Mineral Spirits	64742-47-8	Not Listed

Japan - Poisonous and Deleterious Substances

• Diamond	7782-40-3	Not Listed
• Odorless Mineral Spirits	64742-47-8	Not Listed

Japan - Chemical Substance Control Law (CSCL) - Specified Chemical Substances

• Diamond	7782-40-3	Not Listed
• Odorless Mineral Spirits	64742-47-8	Not Listed

Japan - Poisonous and Deleterious Substances - Substances Not Considered Deleterious

• Diamond	7782-40-3	Not Listed
• Odorless Mineral Spirits	64742-47-8	Not Listed

Japan - Poisonous and Deleterious Substances - Substances Not Considered Poisonous

• Diamond	7782-40-3	Not Listed
• Odorless Mineral Spirits	64742-47-8	Not Listed

Section 16 - Other Information**Relevant Phrases (code & full text)**

H412 - Harmful to aquatic life with long lasting effects
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Preparation By

- JM

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Key to abbreviations

NDA = No Data Available

