

SAFETY DATA SHEET

M41782 - North America - EN



OXYVINYLS® SUPER H-2®

SDS No.: M41782

Rev. Date: 26-Oct-2020

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company Identification:	Oxy Vinyls, LP 14555 Dallas Parkway, Suite 400 Dallas, Texas 75254-4300
24 Hour Emergency Telephone Number:	1-800-733-3665 (USA); CANUTEC (Canada): 1-613-996-6666; CHEMTREC (within USA and Canada): 1-800-424-9300; CHEMTREC (outside USA and Canada): +1 703-527-3887; CHEMTREC Contract No: CCN16186
To Request an SDS:	MSDS@oxy.com or 1-972-404-3245
Customer Service:	1-800-752-5151 or 1-972-404-3700
Product Identifier:	OXYVINYLS® SUPER H-2®
Synonyms:	Supported palladium hydrogenation catalyst
Product Use:	Hydrogenation catalyst; Industrial catalyst
Restrictions on Use (United States):	FOR INDUSTRIAL USE ONLY.
Other Global Restrictions on Use:	FOR USE IN INDUSTRIAL INSTALLATIONS ONLY. Other restrictions on use based on local, regional, or national regulations may exist and must be determined on a case-by-case basis.

SECTION 2. HAZARDS IDENTIFICATION

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OSHA REGULATORY STATUS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

EMERGENCY OVERVIEW:

Color: Blue to black
Physical State: Solid
Appearance: Spheres
Odor: Odorless

Signal Word: **DANGER**

MAJOR HEALTH HAZARDS: CAUSES DAMAGE TO LUNGS THROUGH PROLONGED OR REPEATED EXPOSURE BY INHALATION.

PRECAUTIONARY STATEMENTS: Do not breathe dust. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

ADDITIONAL HAZARD INFORMATION: This product is in a hard, impervious, spherical form. Because it is in this form, silicon carbide fibers are not respirable and do not pose a hazard. Respirable particles are less than 10 microns in size. Particles associated with this product are typically greater than 1500 microns in size. Good hygiene practices include but are not limited to: wearing chemical resistant gloves and eye protection; washing hands and affected skin immediately after handling, before breaks, and at the end of the workday; regularly cleaning work area and clothing; etc.

HAZARD CLASSIFICATION:

GHS: TARGET ORGAN TOXICITY (REPEATED EXPOSURE):	Category 1 - Causes damage to respiratory system through prolonged or repeated exposure
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GHS SYMBOL: Health hazard



GHS SIGNAL WORD: **DANGER**

GHS HAZARD STATEMENTS:

GHS - Health Hazard Statement(s) -

- Causes damage to respiratory system through prolonged or repeated exposure by inhalation

GHS - Precautionary Statement(s) - Prevention

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- Do not breathe dust
- Wash thoroughly after handling
- Do not eat, drink or smoke when using this product

GHS - Precautionary Statement(s) - Response

- IF EXPOSED: Get medical advice/attention if you feel unwell

GHS - Precautionary Statement(s) - Storage

- There are no Precautionary Statement(s) - Storage phrases assigned

GHS - Precautionary Statement(s) - Disposal

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

Hazard Not Otherwise Classified (HNOC)-Health

- CONTACT WITH POWDERS OR DUSTS MAY IRRITATE THE EYES, SKIN, AND RESPIRATORY TRACT
- MAY BE HARMFUL IF SWALLOWED IN LARGE QUANTITIES

See Section 11: TOXICOLOGICAL INFORMATION

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Percent [%]
Silicon carbide (SiC)	409-21-2	98 - 100
Palladium oxide (PdO)	1314-08-5	0.1 - 0.2

SECTION 4. FIRST AID MEASURES

INHALATION: If inhaled and adverse effects occur, remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms of overexposure occur, get medical attention.

SKIN CONTACT: Brush off excess material. As a precaution, wash contaminated areas with water. Remove contaminated clothing, jewelry and shoes. If irritation or adverse symptoms develop, seek medical attention.

EYE CONTACT: If in eyes, rinse cautiously with water for several minutes, as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

INGESTION: If swallowed, rinse mouth. If illness or adverse symptoms develop, seek medical attention. If large amounts are ingested, get medical advice/attention.

Most Important Symptoms/Effects (Acute and Delayed):**Acute Symptoms/Effects:**

Inhalation (Breathing): Respiratory System Effects: Inhalation exposure may cause irritation, redness of upper

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and lower airways, coughing.

Skin: Exposure to skin may cause mild skin irritation: redness, dry skin.

Eye: Eye Irritation. Eye exposure may cause mild irritation of the eye lids and conjunctiva due to mechanical effect.

Ingestion (Swallowing): Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury. Ingesting large quantities may cause pain, nausea, vomiting, diarrhea.

Delayed Symptoms/Effects:

- Prolonged or repeated exposure to dust may cause pulmonary problems

Protection of First-Aiders: Avoid contact with skin and eyes. Avoid breathing dust. Use personal protective equipment. Refer to Section 8 for specific personal protective equipment recommendations. At minimum, treating personnel should utilize PPE sufficient for prevention of bloodborne pathogen transmission.

Notes to Physician: Treatment is based upon symptomatic and supportive care (decontamination, vital functions).

Interaction with Other Chemicals Which Enhance Toxicity: None known.

Medical Conditions Aggravated by Exposure: Silicon carbide can alter the course of inhalation tuberculosis leading to extensive fibrosis and progressive disease. May aggravate preexisting conditions such as eye disorders that decrease tear production or have reduced integrity of the eye; skin disorders that compromise the integrity of the skin; and respiratory conditions including asthma and other breathing disorders.

SECTION 5. FIRE-FIGHTING MEASURES

Fire Hazard: Product itself is non-combustible. Finely divided palladium may be pyrophoric. Palladium dust may be a fire and explosion hazard.

Explosive properties: This product does not contribute to the spreading of flames, nor is it combustible or explosive.

Extinguishing Media: Use extinguishing measures appropriate for surrounding fire.

Specific Hazards: No specific hazard known.

Fire Fighting: Wear NIOSH approved positive-pressure self-contained breathing apparatus operated in pressure demand mode.

Hazardous Combustion Products: None known

Products Formed During Combustion and Thermal Degradation: Sublimes with decomposition at 2700 °C (4892 °F)

Sensitivity to Mechanical Impact: Not sensitive.

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Sensitivity to Static Discharge: Not sensitive.
Lower Flammability Level (air): Not flammable
Upper Flammability Level (air): Not flammable
Flash point: Not flammable
Auto-ignition Temperature: No data available

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with skin and eyes. Do not breathe dust. Avoid dust formation. Wear appropriate personal protective equipment recommended in Section 8, Exposure Controls / Personal Protection, of the SDS.

Personal Protective Equipment: See section 8 for information on personal protective equipment.

Emergency Procedures: Prevent material and runoff from entering sewers and waterways if it can be done safely well ahead of the release.

Environmental Precautions: Keep out of water supplies and sewers. Should not be released into the environment. Releases should be reported, if required, to appropriate regulatory agencies.

Methods and Materials for Containment, Confinement, and/or Abatement: Stop leak if possible without personal risk. Collect spilled material in appropriate container for disposal. Sweep up or vacuum small pieces and dusts, and place in appropriate container for disposal. Use methods to minimize generation of dust. Reclaim for processing if possible.

Recovery: The recovered material must be placed in a suitable container and labelled with corresponding identification. Recycle or dispose according to regulations.

Neutralization: No additional information available.

Final Disposal: Recycle or dispose according to regulations. Runoff may pollute waterways. For waste disposal, see section 13.

SECTION 7. HANDLING AND STORAGE

Handling:

Precautions for Safe Handling: Do not breathe dust. Use methods to avoid creation of dust. Ensure adequate ventilation. Do not eat, drink or smoke in areas where this material is used. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. This product does not contribute to the spreading of flames, nor is it combustible or

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explosive.

Storage:

Safe Storage Conditions: Store and handle in accordance with all current regulations and standards. Store in a cool, dry area. Keep container properly labeled and tightly closed. Keep container dry. Keep separated from incompatible substances (see below or Section 10 of the Safety Data Sheet).

Incompatible Substances: Acids, Organic vapors, Strong oxidizing agents, Alkalis, Arsenic, Carbon, Ozonides, Sodium tetrahydroborate, Sulfur.

Packaging Material: Suitable materials for containers include glass, high density polyethylene (HDPE), Low density polyethylene (LDPE), aluminum, stainless steel 1.4306 (V2A), polypropylene (PP), and carbon steel (iron).

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**REGULATORY EXPOSURE LIMIT(S):**

Listed below for the product components that have regulatory occupational exposure limits (OEL's) established.

Component	OSHA Final PEL TWA	OSHA Final PEL STEL	OSHA Final PEL Ceiling
Silicon carbide (SiC) 409-21-2 (98 - 100 %)	15 mg/m ³ (respirable) 5 mg/m ³ (total)	-----	-----

OEL: Occupational Exposure Limit; OSHA: United States Occupational Safety and Health Administration; PEL: Permissible Exposure Limit; TWA: Time Weighted Average; STEL: Short Term Exposure Limit

Component	Canada - TWAs	Canada - STELs	Canada - Ceilings
Silicon carbide (SiC) 409-21-2	Ontario - 10 mg/m ³ (TWA) Ontario - 3 mg/m ³ (TWA) Ontario - 0.1 fibre/cm ³ (TWA) Alberta - 10 mg/m ³ (TWA) Alberta - 3 mg/m ³ (TWA) Alberta - 0.1 fibre/cm ³ (TWA) British Columbia - 10 mg/m ³ (TWA) British Columbia - 3 mg/m ³ (TWA) British Columbia - 0.1 fibre/cm ³ (TWA)	-----	-----

NON-REGULATORY EXPOSURE LIMIT(S):

Listed below are the product components that have advisory (non-regulatory) occupational exposure limits (OEL's)

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established.

Component	ACGIH TWA	ACGIH STEL	ACGIH Ceiling	Skin Absorption - ACGIH	OSHA TWA (Vacated)	OSHA STEL (Vacated)	OSHA Ceiling (Vacated)
Silicon carbide (SiC)	10 mg/m ³ non-fibrous (total) 3 mg/m ³ non-fibrous (respirable) 0.1 fiber/cm ³ (respirable)	-----	-----	-----	10 mg/m ³ 5 mg/m ³	-----	-----

Additional Advice: This product is in a hard, impervious, spherical form. Because it is in this form, silicon carbide fibers are not respirable and do not pose a hazard. If dust is formed from this material, ensure compliance with applicable exposure limits.

ENGINEERING CONTROLS: Under normal conditions of use, no special ventilation equipment is needed. Provide local exhaust ventilation where dust may be generated. Ensure compliance with applicable exposure limits.

PERSONAL PROTECTIVE EQUIPMENT:

Eye Protection: Use good hygiene practices when handling this material. Wear safety glasses with side-shields.

Skin and Body Protection: As a good hygiene practice, wear protective clothing to minimize skin contact such as standard industrial work clothes, coveralls, safety footwear.

Hand Protection: As a good hygiene practice, wear appropriate chemical resistant gloves. Consult a glove supplier for assistance in selecting an appropriate chemical resistant glove.

Protective Material Types: Tyvek®, Glove material: any chemical resistant material, such as rubber or neoprene

Respiratory Protection: Not required under normal use conditions. A NIOSH approved respirator with N95 (dust, fume, mist) filter cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure. The added protection of a full face-piece respirator is required when visible dusty conditions are encountered and eye irritation may occur. A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

HYGIENE MEASURES: Good hygiene practices include but are not limited to: wearing suitable chemical resistant gloves; eye protection; washing hands and affected skin immediately after handling, before breaks, and at the end of the workday; regularly cleaning work area and clothing; etc.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**Physical State:**

Solid

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Color:	Blue to black
Odor:	Odorless
Melting Point/Range:	2600 °C
Freezing Point/Range:	Not applicable to solids
Flash point:	Not flammable
Vapor Pressure:	Not applicable
Vapor Density (air=1):	Not applicable
Relative Density/Specific Gravity (water=1):	No data available
Bulk Density:	880 - 920 kg/m ³
Water Solubility:	Insoluble
Partition Coefficient (n-octanol/water):	No data available
Auto-ignition Temperature:	No data available
Evaporation Rate (ether=1):	Not applicable
Flammability (solid, gas):	Not flammable
Lower Flammability Level (air):	Not flammable
Upper Flammability Level (air):	Not flammable
Viscosity:	Not applicable to solids

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability: Stable at normal temperature and pressure.

Reactivity: No hazardous reactions if stored and handled as prescribed/indicated.

Possibility of Hazardous Reactions: None known.

Conditions to Avoid (e.g., static discharge, shock, or vibration): Avoid dust formation.

Incompatible Substances: Acids, Organic vapors, Strong oxidizing agents, Alkalis, Arsenic, Carbon, Ozonides, Sodium tetrahydroborate, Sulfur.

Hazardous Decomposition Products: None known.

Hazardous Polymerization: Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS:

ACUTE TOXICITY:

Assessment of acute toxicity: Not expected to be acutely toxic. Dust may irritate the eyes, skin and respiratory system.

Eye contact: Eye Irritation. Eye exposure may cause mild irritation of the eye lids and conjunctiva. Eye irritation

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may be caused from mechanical injury.

Skin contact: Exposure to skin may cause redness, mild irritation. Skin irritation may occur due to mechanical action.

Inhalation: Inhalation of this material may cause upper airway irritation, cough, redness of mouth and upper airways.

Ingestion: Swallowing small amounts (tablespoonful) are not likely to cause injury. Ingesting large quantities may cause pain, nausea, vomiting, diarrhea.

CHRONIC TOXICITY:

A study of silicon carbide crushers showed cases of pulmonary fibrosis and nodular opacities. A study of men manufacturing abrasive materials showed no significant increase in cancer mortality or incidence of non-malignant respiratory effects. This product is in a hard, impervious, spherical form. Because it is in this form, silicon carbide fibers are not respirable and do not pose a hazard. Respirable particles are less than 10 microns in size. Particles associated with this product are typically greater than 1500 microns in size.

Chronic Effects: Prolonged or repeated exposure to dust may cause pulmonary problems.

SIGNS AND SYMPTOMS OF EXPOSURE:

Inhalation (Breathing): Respiratory System Effects: Inhalation exposure may cause irritation, redness of upper and lower airways, coughing.

Skin: Exposure to skin may cause mild skin irritation: redness, dry skin.

Eye: Eye Irritation. Eye exposure may cause mild irritation of the eye lids and conjunctiva due to mechanical effect.

Ingestion (Swallowing): Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury. Ingesting large quantities may cause pain, nausea, vomiting, diarrhea.

Interaction with Other Chemicals Which Enhance Toxicity: None known.

GHS HEALTH HAZARDS:

GHS: TARGET ORGAN TOXICITY (REPEATED EXPOSURE): Category 1 - Causes damage to respiratory system through prolonged or repeated exposure

TOXICITY DATA:

LD50 Oral: No data available	LD50 Dermal: No data available	LC50 Inhalation: No data available
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Eye Irritation/Corrosion: This substance is not classified as an eye irritant per GHS criteria.

Skin Irritation/Corrosion: This substance is not classified as a skin irritant per GHS criteria.

Skin Absorbent / Dermal Route: NO.

RESPIRATORY OR SKIN SENSITIZATION: Not classified as a skin or respiratory sensitizer per GHS criteria.

CARCINOGENICITY: This product is not classified as a carcinogen by NTP, IARC or OSHA. Not classified as a carcinogen per GHS criteria. Two studies of Silicon Carbide (SiC) production workers indicated an increased risk of lung cancer; however, the increased risk of lung cancer appears to be associated with high exposure levels to total dust, including crystalline silica and cristobalite, which occurred in this industry in the past decades. Studies of SiC

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users in various industries does not reveal an increased risk of lung cancer and cancer appears to be associated with the fibrous form of the material called silicon carbide whiskers.

SPECIFIC TARGET ORGAN TOXICITY (Single Exposure): The substance is not classified as a specific target organ toxicant after single exposure per GHS criteria.

SPECIFIC TARGET ORGAN TOXICITY (Repeated or Prolonged Exposure): Category 1 - Respiratory System (Lungs). Human epidemiological studies indicate higher incidence of pulmonary problems in workers exposed to silicon carbide. In addition, incidence of alveolar wall thickening, focal pleural wall thickening, and adenomatous hyperplasia of lung has been observed in animal studies with increases in incidence and severity of observations appearing to be dose-related.

INHALATION HAZARD: Inhalation may be associated with chronic respiratory illness. This product is in a hard, impervious, spherical form. Because it is in this form, silicon carbide fibers are not respirable and do not pose a hazard. Respirable particles are less than 10 microns in size. Particles associated with this product are typically greater than 1500 microns in size.

IN-VITRO / IN-VIVO GENOTOXICITY: The bacterial reverse mutation assay (Ames test) clearly showed Silicon Carbide (SiC) to be non-mutagenic. No human data on mutagenicity of SiC is available.

REPRODUCTIVE TOXICITY: Not classified as a reproductive toxin per GHS criteria.

ASPIRATION HAZARD: Not classified as an aspiration hazard per GHS criteria.

TOXICOKINETICS: Not available.

METABOLISM: Not available.

ENDOCRINE DISRUPTOR: Not available.

NEUROTOXICITY: Not Available.

IMMUNOTOXICITY: Not available.

Hazard Not Otherwise Classified (HNOC)-Health

- CONTACT WITH POWDERS OR DUSTS MAY IRRITATE THE EYES, SKIN, AND RESPIRATORY TRACT
- MAY BE HARMFUL IF SWALLOWED IN LARGE QUANTITIES

SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICITY (EC, IC, and LC):

Aquatic Toxicity:

This material is believed to be practically non-toxic to aquatic life.

FATE AND TRANSPORT:

PERSISTENCE: Not likely to move rapidly because of its low water solubility. This material will persist in the environment.

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BIODEGRADATION: This material is inorganic and not subject to biodegradation. This material is practically inert under ambient conditions and remains so, except when exposed to extremes of temperature or chemical environments. It does not degrade on exposure to light. It is believed to be inert in soil. It is insoluble in water.

BIOCONCENTRATION: This material is not expected to bioconcentrate in organisms.

BIOACCUMULATIVE POTENTIAL: This material is not expected to bioaccumulate.

MOBILITY IN SOIL: Adsorption to solid soil phase is not expected.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste from material:

Reuse or reprocess, if possible. Dispose in accordance with all applicable regulations.

Container Management:

Dispose of container in accordance with applicable local, regional, national, and/or international regulations. Container rinsate must be disposed of in compliance with applicable regulations.

Contaminated Material:

Used catalyst may have different hazards than original product and will need to be tested prior to disposal. This SDS does not apply to used catalysts since used catalyst characteristics may be different than the virgin catalyst represented.

SECTION 14. TRANSPORT INFORMATION

LAND TRANSPORT

U.S. DOT 49 CFR 172.101:

Status: Not Regulated

CANADIAN TRANSPORTATION OF DANGEROUS GOODS:

Status: Not Regulated

MARITIME TRANSPORT (IMO / IMDG)

Status - IMO / IMDG: Not Regulated

AIR TRANSPORT (ICAO / IATA)

Special Instructions CAO: IATA Certificate for shipping personnel is required

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SECTION 15. REGULATORY INFORMATION**U.S. REGULATIONS****OSHA REGULATORY STATUS:**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):

Not regulated.

SARA EHS Chemical (40 CFR 355.30)

Not regulated.

EPCRA SECTIONS 311/312 HAZARD CATEGORIES (40 CFR 370.10):

Chronic Health Hazard

SARA HAZARD CATEGORIES ALIGNED WITH GHS (2018):

Health Hazard - HNOC

Health Hazard - Specific Target Organ Toxicity (STOT) Repeat Exposure (RE)

EPCRA SECTION 313 (40 CFR 372.65):

Not regulated.

DEPARTMENT OF HOMELAND SECURITY (DHS)- Chemical Facility Anti-Terrorism Standards (6 CFR 27):

No components in this material are regulated under DHS

OSHA PROCESS SAFETY (PSM) (29 CFR 1910.119):

Not regulated.

EPA'S CLEAN WATER AND CLEAN AIR ACTS:

Component(s) not listed on impacted regulatory lists.

NATIONAL INVENTORY STATUS**U.S. INVENTORY STATUS: Toxic Substance Control Act (TSCA):**

Component	TSCA Inventory	TSCA ACTIVE LIST	TSCA 12(b)	TSCA - Section 4	TSCA - Section 5	TSCA - Section 6	TSCA - Section 8
Silicon carbide (SiC) 409-21-2	Listed	ACTIVE	Not Listed	Not listed	Not Listed	Not listed	Not listed
Palladium oxide (PdO) 1314-08-5	Listed	ACTIVE	Not Listed	Not listed	Not Listed	Not listed	Not listed

CANADIAN CHEMICAL INVENTORY: All components of this product are listed on either the DSL or the NDSL.

Component	DSL	NDSL
Silicon carbide (SiC) 409-21-2 (98 - 100)	Listed	Not Listed
Palladium oxide (PdO) 1314-08-5 (0.1 - 0.2)	Listed	Not Listed

STATE REGULATIONS

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California Proposition 65:

This product and its ingredients are not listed on the California Governor's current list of Carcinogens, Reproductive Toxicants, and/or Candidate Carcinogens (Proposition 65), but it may contain trace amounts of impurities that are listed. For additional information, contact OxyChem Customer Relations.

Component	California Proposition 65 Cancer WARNING:	California Proposition 65 CRT List - Male reproductive toxin:	California Proposition 65 CRT List - Female reproductive toxin:	Massachusetts Right to Know Hazardous Substance List	Rhode Island Right to Know Hazardous Substance List
Silicon carbide (SiC)	Not Listed	Not Listed	Not Listed	Listed	Listed
Palladium oxide (PdO)	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

Component	New Jersey Right to Know Hazardous Substance List	New Jersey Special Health Hazards Substance List	New Jersey - Environmental Hazardous Substance List	Pennsylvania Right to Know Hazardous Substance List	Pennsylvania Right to Know Special Hazardous Substances	Pennsylvania Right to Know Special Hazardous Substances	Pennsylvania Right to Know Environmental Hazard List
Silicon carbide (SiC)	1658	Not Listed	Not Listed	Listed	Not Listed	Not Listed	Not Listed

CANADIAN REGULATIONS

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

Component	Canada - CEPA - Schedule I - List of Toxic Substances	Canada - NPRI	Canada - CEPA - 2010 Greenhouse Gases (GHG) Subject to Mandatory Reporting	CANADIAN CHEMICAL INVENTORY:	NDSL:
Silicon carbide (SiC) 409-21-2 (98 - 100)	Not listed	Not Listed	Not Listed	Listed	Not Listed
Palladium oxide (PdO) 1314-08-5 (0.1 - 0.2)	Not listed	Not Listed	Not Listed	Listed	Not Listed

SECTION 16. OTHER INFORMATION

Prepared by: Occidental Chemical Corporation - HES&S Product Stewardship Department

Rev. Date: 26-Oct-2020

Reason for Revision:

- Three year review

IMPORTANT:

The information presented herein, while not guaranteed, was prepared by technical personnel and is true and accurate to the best of our knowledge. NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, OR WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESSED OR IMPLIED, IS MADE REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY OR OTHERWISE. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, storage, disposal and other factors

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that may involve other or additional legal, environmental, safety or performance considerations, and Occidental Chemical Corporation assumes no liability whatsoever for the use of or reliance upon this information. While our technical personnel will be happy to respond to questions, safe handling and use of the product remains the responsibility of the customer. No suggestions for use are intended as, and nothing herein shall be construed as, a recommendation to infringe any existing patents or to violate any federal, state, local or foreign laws.

OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, safety data sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in this Safety Data Sheet available to your employees.

End of Safety Data Sheet