

SECTION 1 – IDENTIFICATION

Product name: Profastpatch Manufacturer's Info: **DURACORP**

2664 Vista Pacific Oceanside, CA 92056

Information phone: (800) 795-4750

Emergency contact: CHEMTREC (800) 424 9300

SECTION 2 - HAZARD(S) IDENTIFICATION

OSHA Hazard Communication Standard:

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

GHS-Label Elements:

Signal Word: DANGER

Pictogram(s):







GHS 05

GHS 08

GHS 07

Classification of the substance or mixture:

Hazard Class	Category	Hazard Statement Codes	Hazard Statements	
Acute Toxicity, Oral	4	H302	Harmful if swallowed	
Acute Toxicity, Dermal	5	H313	May be harmful in contact with skin	
Skin corrosion / irritation	1	H314	Causes severe skin burns and eye damage	
Serious eye damage / Eye irritation	1	H318	Causes serious eye damage	
Carcinogenicity	1A	H350	May cause cancer by inhalation	
Specific target organ toxicity, single exposure	3	H335	May cause respiratory irritation	
Specific target organ toxicity, repeated exposure	1	H372	Causes damage to lungs and respiratory system, through prolonged or repeated exposure by inhalation. Causes damage to kidney and liver through prolonged or repeated exposure.	

Precautionary S	Statements:	
Prevention:	P201	Obtain special instruction before use.
	P202	Do not handle until all safety precautions have been read and understood.
	P281	Use personal protective equipment as required.
	P271	Use only outdoors or in a well-ventilated area.
	P260	Do not breathe dusts or mists.
	P270	Do not eat, drink, and smoke when using this product.
	P280	Wear protective gloves/ protective clothing / eye protection/ face protection.
	P264	Wash exposed area with plenty of water and soap thoroughly after handling.
Response:	P301 + P330 + P312	IF SWALLOWED: Rinse mouth. Call a POISON CENTER or physician if you feel unwell.
	P331	Do not induce vomiting.
	P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P363	Wash contaminated clothing before reuse.
	P304 + P340 + P310	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.
	P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P310	Immediately call a POISON CENTER or doctor/ physician.
	P308 + P313	IF exposed or concerned: Get medical advice/attention.
Storage:	P403 + P235 P405	Store in a well-ventilated place. Keep cool. Store locked up.





Disposal: P501 Dispose of contents/container to hazardous or special waste collection point in

accordance with local/regional/national/international regulations.

Hazards not otherwise classified: Smoking in combination with silica exposures increases the risk of cancer.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS					
Components CAS # EC # Concentration, %					
Amorphous Silica	7631-86-9	231-545-4	45 – 75		
Calcium Sulfoaluminate Cement	960375-09-1	Not available	25 – 50		
Crystalline silica (Quartz)	14808-60-7	238-878-4	5 – 25		
Crystalline Silica (Quartz), Respirable	14808-60-7	238-878-4	0.05 – 1.0		

SECTION 4 - FIRST-AID MEASURES

Description of First Aid Measures:

Inhalation:

Remove the exposed person to fresh air and keep at rest in a position comfortable for breathing. Seek medical help if coughing or other symptoms persist. Inhalation of large amounts of the product requires immediate medical attention. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person should be kept under medical surveillance for 48 hours.

Skin:

Heavy exposure to the product requires prompt attention. Quickly and gently brush away excess product. Wash material off of the skin thoroughly with lukewarm, gently flowing water and non-abrasive pH natural soap for at least 15 minutes. Remove contaminated clothing and shoes and wash them before reuse.

Seek medical attention for rashes, irritation, dermatitis and prolonged unprotected exposure to wet product. The symptoms may be delayed and should be treated promptly by a physician or dermatologist. In the event of any complaints or symptoms, avoid further exposure.

complaints of symptoms, avoid further exposure

Eye:

Immediately flush eyes cautiously with plenty of water for several minutes, especially under the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Do not rub eyes in order to prevent cornea injury. Injuries must be treated promptly by a physician or ophthalmologist.

Ingestion:

Remove the exposed person to fresh air and keep at rest in a position comfortable for breathing. Remove dentures if any. If conscious, rinse mouth thoroughly with water and then give 60 to 240 mL (2 to 8 oz) of water to drink. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Most important symptoms/effects, acute and delayed: See Section 11 for more details.

General advice for First Aid responders:

No action should be taken involving any personal risk or without suitable training. If potential for exposure exist refer to Section 8 for specific personal protective equipment. Show this SDS to physician.

Note to physician: When mixed with water, the product has an increased pH. Treatment should be supportive and based on the judgment of the physician in response to the reaction of the patient. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Recommended medical monitoring for at least 24hours.

SECTION 5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire. **Unsuitable extinguishing media:** Do not use water jet and halogenated compounds.

Specific hazards arising from the chemical: This product is non-flammable and non-combustible. Containers at risk from fire should be cooled with water spray and, if possible, removed from the danger area. Hazardous combustion products: carbon dioxide, carbon monoxide, silica oxides, sulfur oxides, metal oxides.

Special Protective Equipment and Precautions for fire-fighters: Wear NIOSH or OSHA approved self-contained breathing apparatus in positive pressure mode with full face piece and full protective gear. Isolate the scene by removing all persons from the incident area. No action should be taken involving any personal risk or without suitable training.



SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Keep unnecessary and unprotected personnel from entering. Do not tuch or walk through spilled material. Ensure adequate ventilation/exhaust extraction. Avoid breathing dust during clean up. Use protective equipment as described in Section 8.

Environmental precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater, basements or confined areas. Inform the relevant authorities if the product has caused environmental pollution. See Section 12 for more details.

Methods and materials for containment and cleaning up: Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with HEPA filter and place in a designated labeled waste container. Seal the container, and properly dispose of the waste material in accordance with existing federal, state and local regulations.

For major spills: Approach release from upwind. Prevent wind dispersal. Large spills to waterways may be hazardous due to alkalinity of the certain components of the product.

Residues from spill cleanup may continue to be regulated under provisions of RCRA and require storage and disposal as hazardous waste. For major spills, see Section 1 for the Emergency contact; for further disposal measures, see Section 13.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling: Avoid generating and do not breathe dust. Do not rely on your sight to determine if dust is in the air. Respirable crystalline silica dust may be in the air without a visible dust cloud.

Use adequate ventilation and/or dust collection methods to keep airborne levels below the exposure limits. Maintain and test ventilation and dust collection equipment. Use all available work practices to control dust exposures, such as water sprays. Do not permit dust to collect on walls, floors, sills, ledges, machinery, or equipment. Avoid breakage of bagged material or spills of bulk material. Wear appropriate respiratory, eye and skin protection. Avoid contact with skin and eyes. Wash hands thoroughly after handling. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Hands and/or face should be

drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Hands and/or face should be washed before eating, drinking and smoking and at the end of the shift. Remove contaminated clothing and protective equipment before entering eating areas. Wash or vacuum clothing when becomes dusty.

Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure by obtaining and following special instructions before use. Do not handle until all safety precautions have been read and understood.

Conditions for safe storage, including any incompatibilities: Store in original or approved alternative container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10 for details), food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed. Store bags to avoid accidental tearing, breaking, or bursting. Avoid windblown dust by shielding or covering outdoor stockpiles. Protect chemical from atmospheric moisture.

Storage stability: Stable under normal conditions. **Storage temperature:** 60 - 100°F (16 – 38°C)

Employee education and training in the safe use and handling of this product are required under the OSHA Hazard Communication Standard 29 CFR 1910.1200. Employees and consumers should be warned of health risks associated with product use. Participate in training, exposure monitoring, and health surveillance programs to monitor any potential adverse health effects that may be caused by breathing respirable crystalline silica.

The OSHA Hazard Communication Standard, 29 CFR Sections 1910.1200, 1915.1200, 1917.28, 1918.90, 1926.59 and 1928.21, and state and local worker or community "right-to-know" laws and regulations should be strictly followed.

See Section 8 for additional information on hygiene measures.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters/Occupational exposure limit values: Not available for mixture. Results for components and impurities are listed in Section 15 of this SDS.

Appropriate engineering controls: Good local and general ventilation and wet methods should be sufficient to control worker exposure to airborne contaminants below recommended exposure limits. Local exhaust may be required in some areas.

Personal protective equipment:

Eye/face protection:

When directly handling product, eye protection is required. Examples of eye protection include safety glasses with side shields or chemical goggles. Contact lenses should not be worn when working with this product. Dust can get under the lenses and cause abrasion of the cornea.

Skin/body protection:

Impervious, waterproof, abrasion and alkali-resistant gloves should be worn always when working with this product. Do not rely on barrier creams in place of impervious gloves. Do not get product inside gloves.



Body should be covered with long-sleeved and long-legged clothing to protect the skin from direct contact with the product. Protective clothing should be selected and used in accordance with "Guidelines for the Selection of Chemical Protective Clothing" published by ACGIH based on the task being performed and the risks involved.

To reduce foot and ankle exposure, wear protective footwear that is high enough to prevent the product from getting inside. Remove clothing and protective equipment that becomes saturated with the product and immediately wash exposed areas of the body. Wash contaminated clothing before reuse. Store work clothing separately.

Respiratory protection:

Use local or general ventilation to control exposures below applicable exposure limits.

Use properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product, and assigned protection factor of the selected respirator.

The table below can assist in selecting respirators that will reduce personal exposures to below the OSHA PEL. It is part of the NIOSH Respirator Selection Logic, 2004, Chapter III, Table 1, "Particulate Respirators". The full document can be found at www.cdc.gov/niosh/npptl/topics/respirators; the user of this SDS is directed to that site for information concerning respirator selection and use.

The assigned protection factor (APF) is the minimum anticipated level of protection provided by each type of respirator worn in accordance with an adequate respiratory protection program. For example, an APF of 10 means that the respirator should reduce the airborne concentration of a particulate by a factor of 10, so that if the workplace concentration of a particulate was 150 ug/m³, then a respirator with an APF of 10 should reduce the concentration of particulate to 15 ug/m³.

Respirator must be properly fitted and its selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

APF 1	Type of Respirator (Use only NIOSH-certified respirators)
10	Any air-purifying elastomeric half-mask respirator equipped with appropriate type of particulate filter. ²
	Appropriate filtering facepiece respirator. ^{2,3}
	Any air-purifying full facepiece respirator equipped with appropriate type of particulate filter. ²
	Any negative pressure (demand) supplied-air respirator equipped with a half-mask.
25	Any powered air-purifying respirator equipped with a hood or helmet and a high efficiency (HEPA) filter.
	Any continuous flow supplied-air respirator equipped with a hood or helmet.
50	Any air-purifying full facepiece respirator equipped with N-100, R-100, or P-100 filter(s).
	Any powered air-purifying respirator equipped with a tight-fitting facepiece (half or full facepiece) and a high-efficiency filter.
	Any negative pressure (demand) supplied air respirator equipped with a full facepiece.
	Any continuous flow supplied-air respirator equipped with a tight-fitting facepiece (half or full facepiece).
	Any negative pressure (demand) self-contained respirator equipped with a full facepiece.
1,000	Any pressure-demand supplied-air respirator equipped with a half-mask.

¹ The protection offered by a given respirator is contingent upon (1) the respirator user adhering to complete program requirements (such as the ones required by OSHA in 29CFR1910.134), (2) the use of NIOSH-certified respirators in their approved configuration, and (3) individual fit testing to rule out those respirators that cannot achieve a good fit on individual workers.

Additional Protective Measures: Educate and train employees in safe handling of this product. Follow all label instructions. As a general hygiene practice, wash hands and face after use. Clean water should always be readily available for emergency skin and eye washing. Use administrative controls such job rotation to supplement engineering controls.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES			
Appearance:	Solid, powder		
Odor:	Odorless		
Odor threshold:	Not applicable		
pH:	Not available for mixture; Silica: 6-8; Cement: 11-12 when wet		
Melting point/ freezing point:	Not available for mixture; Silica: 3,050°F (1,677°C)		
Initial boiling point and boiling range:	Not available for mixture; Silica: 4,046°F (2,230°C)		
Flash point:	Not applicable. Not flammable. Not combustible.		
Evaporation rate:	Not applicable		
Flammability (solid, gas):	Not applicable		
Upper/ lower flammability or explosive limits:	Not applicable		
Vapor pressure:	Not applicable		
Vapor density:	Not applicable		
Relative density:	Not available for mixture; Silica: 2.60-2.65; ~3.0		
Solubility (water):	Insoluble		
Partition coefficient n-octanol/water:	Not available		
Auto-ignition temperature:	Not available		
Decomposition temperature:	Not available		
Viscosity:	Not applicable		

² Appropriate means that the filter medium will provide protection against the particulate in question.

³ An APF of 10 can only be achieved if the respirator is qualitatively or quantitatively fit tested on individual workers.

PRO-FASTPATCH

SAFETY DATA SHEET



SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Hazardous Polymerization: Product will not undergo hazardous polymerization.

Corrosion to metals: Corrosive effects to metal are anticipated.

Oxidizing properties: Based on its structural properties the product is not classified as oxidizing.

Chemical stability: Stable under recommended storage conditions. Product is hygroscopic; contamination with moisture will negatively affect product performance. Avoid unintended contact with water; the reaction will generate heat.

Conditions to avoid: Unintentional contact with moisture, high humidity, generation of dust. **Incompatible materials**: Strong oxidizing agents; alcohols, amines, bases, acids, metal alloys.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced. In fire conditions, depending on temperature, air supply and presence of other materials, decomposition products can include, but are not limited to carbon dioxide, carbon monoxide, silica oxides, sulfur oxides, metal oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Skin and Eye Contact, Inhalation and Ingestion.

Symptoms of exposure:

Acute toxicity:

Oral: Harmful if swallowed. Adverse symptoms may include burns to mouth, throat and stomach, abdominal pain, nausea and diarrhea.

Dermal: May be harmful in contact with skin. Adverse symptoms may include irritation and redness.

Inhalation: May cause respiratory tract irritation and coughing.

Skin corrosion / irritation:

May cause skin burns. A more severe response may be expected if skin is abraded (scratched or cut).

Serious eye damage / eye irritation:

May cause serious eye damage. Adverse symptoms may include tearing, redness, pain and in the worst case blindness. Dust may cause abrasion of the cornea.

Specific target organ toxicity, single exposure:

This product contains components that are causing respiratory tract irritation after single exposure.

Calcium Sulfoaluminate Cement, CAS #: 960375-09-1

Aspiration hazard: Not an aspiration hazard.

Chronic toxicity:

Respiratory and Skin Sensitizer:

Not available.

Germ cell mutagenicity:

Risk to humans is not expected from exposure to this product.

Carcinogenicity:

This product contains components/impurities reported to be carcinogenic to humans.

Crystalline Silica, CAS #: 14808-60-7: IARC: Group 1 (Carcinogenic to humans)

NTP: Known to be a Human Carcinogen (Respirable size)

ACGIH: Group A2 (Suspected Human Carcinogen)

NIOSH: Potential occupational carcinogen

Amorphous Silica, CAS #: 7631-86-9: IARC: Group 3 (Not Classifiable as to its Carcinogenicity to Humans)

Titanium dioxide, CAS #: 13463-67-7: IARC: Group 2B (Possibly Carcinogenic to Humans) ACGIH: Not classifiable as human carcinogen

Reproductive toxicity:

Risk to humans is not expected from exposure to this product. However, this product contains trace amounts of chemical (impurities) that are reported to cause developmental issues.

Methyl alcohol, CAS #: 67-56-1

Specific target organ toxicity, repeated exposure:

Lungs, respiratory system, kidney, liver, eyes, skin.

Hazards by inhalation associated with Crystalline Silica, respirable dust particles <10µ in diameter:

- Silicosis: The prolonged and repeated inhalation of silica dust can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis can exist in several forms: chronic, accelerated, or acute and may lead to disability and death.
- Lung Cancer: Workers with silicosis who smoke are at the greatest risk. Preventing the onset of silicosis will reduce the cancer risk.
- Tuberculosis: If exposed to tuberculosis bacteria, individuals with chronic silicosis are at three time higher risk to develop pulmonary tuberculosis.
- Non-Malignant Respiratory Diseases: Increased incidence of chronic bronchitis, emphysema and small airways disease.

PRO-FASTPATCH

SAFETY DATA SHEET



 Autoimmune and Chronic Kidney Diseases: Several studies have reported excess cases of several autoimmune disorders (scleroderma, systemic lupus, rheumatoid arthritis) and kidney diseases (including end stage renal disease) among silicaexposed workers.

Medical conditions aggravated by overexposure:

Lungs disease and respiratory disorders (asthma, bronchitis, emphysema, chronic obstructive pulmonary disease), skin disorders, kidney diseases if product is handled without adequate protection.

Toxicity test results: Not available for mixture. Results for components, when available:

Components	Test Results
Amorphous Silica, CAS #: 7631-86-9	Acute Toxicity Oral LD50 (Rat): 3,160 mg/kg Skin corrosion/irritation: not irritating Serious eye damage/eye irritation: can cause moderate eye irritation and may cause abrasion to the cornea. Chronic toxicity Carcinogenicity: IARC: Group 3 (Not Classifiable as to its Carcinogenicity to Humans) STOT, RE: Inhalation (Rat): Structural or functional change in trachea or bronchi, pneumoconiosis, enzyme inhibition, change in blood or tissue levels, weight loss or decreased weight gain.
Calcium Sulfoaluminate Cement, CAS #: 960375-09-1	Acute Toxicity Inhalation: May cause respiratory irritation. Skin corrosion/irritation: May cause skin irritation. May cause serious burns in presence of moisture. Serious eye damage/eye irritation: Causes serious eye damage. May cause serious burns in presence of moisture. STOT, SE: Category 3; by inhalation and skin contact; effects: respiratory tract irritation, skin irritation Chronic Toxicity Sensitization: No data available. Carcinogenicity: contains traces of respirable silica (<0.1%) STOT, RE: causes damage to lungs by inhalation; may cause skin disorders.
Crystalline Silica (Quartz), CAS #: 14808-60-7	Acute Toxicity Skin corrosion/irritation: not irritating Serious eye damage/eye irritation: can cause moderate eye irritation and may cause abrasion to the cornea. Chronic Toxicity Carcinogenicity: Contains respirable crystalline silica which is classified as a known human carcinogen. STOT, RE: Prolonged inhalation of crystalline silica may result in silicosis, a disabling pulmonary fibrosis characterized by fibrotic changes and nodules in the lungs, a dry cough, shortness of breath, emphysema, decreased chest expansion, and increased susceptibility to tuberculosis. In advanced stages, loss of appetite, pleuritic pain, and total incapacity to work. Advanced silicosis may result in death due to cardiac failure or destruction of lung tissue. The chronic health risks are associated with respirable particles of 3-4 um over protracted periods of time. For routine exposure and for individuals with existing respiratory illness (e.g., bronchitis, emphysema, chronic obstructive pulmonary disease) symptoms include shortness of breath, wheezing, cough, sputum production, weight loss, fever. Noted are also effects on liver based on human evidence.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability: Not readily biodegradable by OECD criteria. **Bioaccumulative potential:** No significant accumulation in organisms is expected.

Mobility in soil: Not expected.

Other adverse effects: Not known.

Ecotoxicity test results: Not available for the mixture. Results for components, where available:

Components	Test Results		
Crystalline Silica (Quartz), CAS #: 14808-60-7	Not known to be ecotoxic; no data suggests that is toxic to birds, fish, invertebrates, microorganisms or plants.		

SECTION 13 - DISPOSAL CONSIDERATIONS

Product Disposal: The generation of waste should be avoided or minimized wherever possible. If product becomes a waste, it does not meet criteria of hazardous waste as defined in 40 CFR 261, Subpart C and D. Do not discharge into sewer system. Spill cleanup residues may still be subject to RCRA storage and disposal requirements. Dispose waste in compliance with local, state and federal regulations via licensed waste disposal contractor.

Container disposal: Even after emptying, container may retain residues. Containers should be completely emptied and safely stored until appropriately reconditioned or disposed through licensed contractor in accordance with government regulation. This material and its container must be disposed of in a safe way.

SECTION 14 -	. TRANSPORT	INFORMATION
SECTION 14-	·INANSFURI	INFUNIMINION

Land transport, U.S. DOT:
Sea transport, IMDG:
Air transport, IATA/ICAO:
Non-regulated
Non-regulated



SECTION 15 - REGULATORY INFORMATION

U.S. Regulations:

OSHA HCS: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29CFR 1910.1200. **TSCA Regulations:**

All components of this product are listed or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

EPCRA Section 302 (40 CFR Part 355) (Emergency Response Planning, Extremely Hazardous Substance):

No components are subject to the reporting.

EPCRA Section 304 (40 CFR Part 355) (Emergency Release Notification Requirements):

No components are subject to the reporting.

EPCRA Sections 311 & 312 (Hazardous Chemical Inventory Reporting, Hazard Categories):

Acute Health Hazard, Chronic Health Hazard

EPCRA Section 313 (40 CFR Part 372) (Toxic Chemical Release Inventory Reporting):

No components or impurities of this product are present above De Minimis level and therefore do not require reporting.

CERCLA Sections 102-103 (40 CFR Part 302) (Hazardous Substances Release Notification):

No components are subject to the reporting. Some of the components contain trace amounts of the following chemicals that require reporting if a criterion of reportable quantity is fulfilled:

Fine Mineral Fibers of average diameter ≤1µm (including Crystalline Silica, CAS #: 14808-60-7 with diameter ≤1µm)

Methyl alcohol, CAS #: 67-56-1: RQ: 5,000 lbs

Clean Air Act:

Ozone Depleting Substances (ODS): This product does not contain and is not manufactured with ozone depleting substances.

Hazardous Air Pollutants, OSHA, Section 112(b), Table Z-1 and Table Z-3:

Substance		Regulatory Limits			Recommended Limits	
		OSHA PEL		Cal/OSHA PEL (as of 4/26/13)	NIOSH REL (as of 4/26/13)	ACGIH [®] 2015 TLV [®]
		mppcf	mg/m ³	8hrs TWA, mg/m ³	Up to 10hrs TWA, mg/m ³	8hrs TWA, mg/m ³
Amorphous Silica,	Total dust	20	90 · /9/ SiO \	6	6	See TLV® book
CAS #: 7631-86-9	Respirable fraction	20	80 : (%SiO ₂)	3	6	Appendix G
	Total dust	-	30 : (%SiO ₂ +2)	0.3	-	-
Crystalline Silica (Quartz), CAS #: 14808-60-7	Respirable fraction	250 : (%SiO ₂ +5)	10 : (%SiO ₂ +2)	0.1	0.05; Ca See Appendix A	0.025 (for α-quartz & cristobalite)
Hydrated Aluminum Silicate (Kaolin),	Total dust	-	15	-	10	-
CAS #: 1332-58-7	Respirable fraction	-	5	2 *	5	2 *
Titanium Dioxide, CAS #: 13463-67-7	Total dust	-	15	10 (as PNOR)	2.4 mg/m³ (fine) 0.3 mg/m³ (ultrafine), Ca See Appendix A & C	10
Methyl alcohol, CAS #: 67-56-1		200 ppm	260	200 ppm	200 ppm	200 ppm
Inant or Nicioanae Duat	Total dust	50	15	10 (as PNOR)	See Appendix D	10
Inert or Nuisance Dust	Respirable fraction	15	5	5 (as PNOR)	See Appendix D	3
Particulates Not Otherwise	Total dust	-	15	10	-	-
Regulated (PNOR)	Respirable fraction	-	5	5	-	-

^{*-} no asbestos and <1% Crystalline Silica; © Ceiling; Ca – Potential occupational carcinogens; mppcf – millions of particles per cubic foot; ppm-parts per million; Appendix A, C and D refers to Appendixes of Hazardous Air Pollutants List, Section 112(b) of Clean Air Act

NIOSH IDLH: Crystalline Silica (Quartz), CAS #: 14808-60-7: Respirable fraction: 50 mg/m³

Amorphous Silica, CAS #: 7631-86-9: Total dust: 3,000 mg/m3;

Titanium dioxide, CAS #: 13463-67-7: 5000 mg/m³, Ca

Clean Water Act:

• Section 307(a): No components are subject to the reporting.

NFPA rating: Health: 2 Fire: 0 Reactivity: 1 Special: 0

HMIS rating: Health: 2 Flammability: 0 Physical hazard: 1

State Regulations:

Instruction: for regulatory information on components of this mixture, check the appropriate state websites.

PRO-FASTPATCH

SAFETY DATA SHEET



International Regulations/Inventories:

Canadian Regulations

DSL: All ingredients of this product are listed or are exempt from the DSL.

WHMIS Classification (Controlled Products Regulations): Class D2B: Material causing other toxic effects

Class E: Corrosive (due to corrosive effect on Aluminum)

WHMIS Label Information:





International Exposure Limits

momanional Exposure Ellin				
Country	Crystalline Silica (Quartz), CAS #: 14808-60-7	Hydrated Aluminum Silicate (Kaolin), CAS #: 1332-58-7	Titanium Dioxide, CAS #: 13463-67-7	
Australia; July, 2008	TWA 0.1 mg/m³,	-	-	
Belgium; March, 2002	TWA 0.1mg/m³ (RD)*, TWA 2 mg/m³ (RD)		TWA 10 mg/m ³	
Denmark; October, 2002	TWA 0.1 mg/m ³ (RD) TWA 0.3mg/m ³ (TD)*	TWA 2 mg/m³ (RD)	TWA 6 mg(Ti)/m ³	
Finland, January, 1999	TWA 0.2 mg/m ³	-	-	
France, February, 2006	VME 0.1 mg/m ³ (RD)	VME 10 mg/m ³	VME 10 mg/m ³	
Germany; 2005	-		MAK 1.5mg/m ³ (RD)	
Hungary; September, 2000	-	-	-	
Japan; April, 2007	0.03 mg/m ³ (RD), continuous	0.5 g/m ³ (RD), 2 mg/m ³ (TD)	1 mg/m ³ (RD), 4 mg/m ³ (TD),	
Korea; 2006	TWA 0.1 mg/m ³	TWA 10 mg/m ³	TWA 10 mg/m ³	
Mexico; 2004	TWA 0.1 mg/m ³ (RD)	TWA 10 mg/m ³ ; STEL 20 mg/m ³	TWA 10 mg(Ti)/m ³ ; STEL 20 mg(Ti)/m ³	
The Netherlands; 2003	MAC-TGG 0.075 mg/m ³	MAC-TGG 10 mg/m ³	MAC-TGG 10 mg/m ³	
New Zealand; January, 2002	TWA 0.2 mg/m ³ (RD)	TWA 10 mg/m ³ (ID), TWA 2 mg/m ³ (RD)	TWA 10 mg/m ³ (ID)	
Norway; January, 1999	TWA 0.1 mg/m³ (RD), TWA 0.3 mg/m³ (TD)	-	TWA 5 mg/m ³	
Poland; January, 1999	-	-	MAC(TWA) 10 mg(Ti)/m ³ , MAC(STEL) 30 mg(Ti)/m ³	
Russia; June, 2003	TWA 1 mg/m³, STEL 3 mg/m³	-	TWA 10 mg/m ³	
Sweden; June, 2005	TWA 0.1 mg/m ³ (RD)	-	TWA 5 mg/m ³ (TD)	
Switzerland; December, 2006	MAK/week 0.15mg/m ³	MAK/week 3 mg/m ³	MAK- week 3 mg/m ³	
Thailand; January, 1993	TWA 10 mg/m ³ (RD), TWA 30 mg/m ³ (TD)	-	-	
United Kingdom; 2005	TWA 0.3 mg/m ³ (RD)	TWA 2 mg/m ³ (RD)	TWA 10 mg/m³ (ID), TWA 4 mg/m³ (RD)	
Argentina, Bulgaria, Colombia,	ACGIH TLV	ACGIH TLV	ACGIH TLV	
Jordan, Singapore, Vietnam	Not classifiable as human carcinogen	Not classifiable as human carcinogen	Not classifiable as human carcinogen	
Egypt; January, 1993	-		TWA 15 mg/m ³	
Turkey; January, 1993			TWA 15 mg/m ³	

*TD-total dust; RD-Respirable dust; ID-Inhalable dust

SECTION 16 - OTHER INFORMATION

LEGEND Globally Harmonized System GHS CAS Chemical Abstracts Services EC **European Community**

EPA Environmental Protection Agency

OSHA Occupational Safety and Health Administration

ACGIH American Conference of Governmental Industrial Hygienists NIOSH National Institute of Occupational Safety and Health

PEL Permissible Exposure Limits Threshold Limit Value TLV

REL Recommended Exposure Limit TWA Time-Weighted Average **STEL** Short-term exposure limit

Maximale Arbeitsplatz-Konzentration (maximum workplace concentration) MAK

HEPA High Efficiency Particulate Air

IARC International Agency for Research on Cancer National Toxicology Program NTP

STOT, SE Specific Target Organ Toxicity following Single Exposure

STOT, RE Specific Target Organ Toxicity following Repeated Exposure

DOT Department of Transportation

IMDG International maritime dangerous goods code

IATA, ICAO International Air Transport Association, International Civil Aviation Organization

TSCA Toxic Substances Control Act

EPCRA Emergency Planning and Community Right-to-Know Act





CERCLA Comprehensive Environmental Response, Compensation and Liability Act

CFR Code of Federal Regulations RQ Reportable Quantity TQ Threshold Quantity

TPQ Threshold Planning Quantity
EHS Extremely Hazardous Substances

DSL Domestic Substance List

WHMIS Workplace Hazardous Materials Information System

Latest revision date: Sept 1, 2016 - Preparation of SDS in accordance to the GHS requirements

CALIFORNIA PROPOSITION 65



WARNING: This product can expose you to Titanium Dioxide and Silica Dust which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

California Proposition 65 – CRT: Listed Date/Carcinogenic substance

Titanium Dioxide (CAS 13463-67-7) Listed: September 2, 2011 Crystalline Silica (CAS 14808-60-7) Listed: October 1, 1988

SDS Revised Date: September 2018

Disclaimer: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the accuracy of the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects, which may be caused by exposure to our products. Customers and users of this product must comply with all applicable health and safety laws, regulations and orders.