



SAFETY DATA SHEET

1. Identification

Product identifier VINYL BARRIER
Other means of identification
Product Code VINYL BARRIER
Recommended use Not available.
Recommended restrictions Workers (and your customers or users in the case of resale) should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations.

Manufacturer/Importer/Supplier/Distributor Information

Manufacturer Rendered by manufacturer and released to:
Company name Acoustical Surfaces, Inc.
address/phone 123 Columbia Court North, Chaska, MN 55318 1-800-448-0121

2. Hazard(s) identification

Physical hazards Not classified.
Health hazards Not classified.
Environmental hazards Hazardous to the aquatic environment, Category 3 acute hazard.
Hazardous to the aquatic environment, Category 3 long-term hazard.
OSHA defined hazards Not classified.
Label elements
Hazard symbol None
Signal word None
Hazard statement Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statement
Prevention Avoid release to the environment.
Response Wash hands after handling.
Storage Store away from incompatible materials.
Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC) None known.
Supplemental Information 15.4% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 15.4% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
CALCIUM CARBONATE		1317-65-3	72.0493620142
Ethene, chloro-, homopolymer		9002-86-2	13.0645143857
CARBON BLACK		1333-86-4	0.46
Silica - Crystalline, (quartz)		14808-60-7	0.3620570955
DIDP		26761-40-0	0.2297506744

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Chemical name	Common name and synonyms	CAS number	%
Octadecanoic acid		57-11-4	0.0208773438
Other components below reportable levels			13.8134384861

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Composition comments All formula components are fully encapsulated in polymer, and thus do not necessarily reflect the hazards of the dry chemicals. Under normal conditions of use, the occupational hazards associated with these chemicals are expected to be minimal.

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact Rinse with water. Get medical attention if irritation develops and persists.
Ingestion Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically.
General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media Water spray. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing Media Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions Use water spray to cool unopened containers.
Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards No unusual fire or explosion hazards noted.



6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from any upwind of spill/leak. Keep out of low areas. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Stop the flow of material, if this is without risk. Collect spillage. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains. Avoid contact with molten material.

Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Components	Type	Value
Ethene, chloro-, homopolymer (CAS 9002-86-2)	STEL	5 ppm
	TWA	1 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
CALCIUM CARBONATE (CAS 1317-65-3)	PEL	5 mg/m ³	Respirable fraction.
CARBON BLACK (CAS 1333-86-4)	PEL	15 mg/m ³	Total dust.
		3.5 mg/m ³	
Ethene, chloro-homopolymer (CAS 9002-86-2)	PEL	5 mg/m ³	Respirable fraction.
		15 mg/m ³	Total dust

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US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
Silica - Crystalline, (quartz) (CAS 14808-60-7)	TWA	0.3 mg/m ³	Total dust.
		0.1 mg/m ³	Respirable.
		2.4 millions of particle	Respirable.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
CARBON BLACK (CAS 1333-86-4)	TWA	3 mg/m ³	Inhalable fraction.
Ethene, chloro-, homopolymer (CAS 9002-86-2)	TWA	1 mg/m ³	Respirable fraction.
Octadecanoic acid (CAS 57-11-4)	TWA	10 mg/m ³	
Silica - Crystalline, (quartz) (CAS 14808-60-7)	TWA	0.025 mg/m ³	Respirable fraction.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
CALCIUM CARBONATE (CAS 1317-65-3)	TWA	5 mg/m ³	Respirable.
		10 mg/m ³	Total
CARBON BLACK (CAS 1333-86-4)	TWA	0.1 mg/m ³	
Silica - Crystalline, (quartz) (CAS 14808-60-7)	TWA	0.05 mg/m ³	Respirable dust.

Biological limit values

No biological exposure limits noted for the ingredient(s).

Exposure guidelines

Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) 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. Adequate ventilation should be provided so that exposure limits are not exceeded.



Individual protection measures, such as personal protective equipment

- Eye/face protection** Wear safety glasses with side shields (or goggles).
- Skin protection**
 - Hand protection** When handling hot material, use heat resistant gloves. Wear protective gloves. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.
 - Other** Wear appropriate chemical resistant clothing. Wear protective gloves. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Heat insulating gloves.
- Respiratory protection** Use a particulate filter respirator for particulate concentrations exceeding the Occupational Exposure Limit.
- Thermal hazards** Wear appropriate thermal protective clothing, when necessary.
- General hygiene considerations** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

- Appearance**
 - Physical state** Solid.
 - Form** Solid.
 - Color** Not available.
- Odor** Not available.
- Odor threshold** Not available.
- pH** Not available.
- Melting point/freezing point** Not available.
- Initial boiling point and boiling range** Not available.
- Flash point** Not available.
- Evaporation rate** Not available.
- Flammability (solid, gas)** Not available.
- Upper/lower flammability or explosive limits**
 - Flammability limit - lower (%)** Not available.
 - Flammability limit - upper (%)** Not available.
 - Explosive limit - lower (%)** Not available.
 - Explosive limit - upper (%)** Not available.



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Vapor pressure	0.01 hPa estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	662 °F (350 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	0.99 g/cm ³ estimated
Percent volatile	0 % estimated
Specific gravity	0.99 estimated

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Ingestion	Expected to be a low ingestion hazard.
Inhalation	Prolonged inhalation may be harmful.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.
Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation.

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Information on likely routes of exposure

Acute toxicity

Product	Species	Test Results
VINYL BARRIER (CAS Mixture)		
Acute		
<i>Inhalation</i>		
LC50	Rat	7660.355 mg/l, 4 Hours estimated
Components		
Species		
Test Results		
CARBON BLACK (CAS 1333-86-4)		
Acute		
<i>Oral</i>		
LD50	Rabbit	> 8000 mg/kg
DIDP (CAS 26761-40-0)		
Acute		
<i>Dermal</i>		
LC50	Rat	> 3160 mg/kg
<i>Inhalation</i>		
LD50	Rat	> 12.54 mg/l, 4 Hours
<i>Oral</i>		
LD50	Rat	64000 mg/kg
Octadecanoic acid (CAS 57-11-4)		
Acute		
<i>Oral</i>		
LD50	Rat	4.6 g/kg
<i>Other</i>		
LD50	Mouse	23 mg/kg
	Rat	21.5 mg/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization This product is not expected to cause skin sensitization

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

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Carcinogenicity

In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Do 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled.

IARC Monographs. Overall Evaluation of Carcinogenicity

CARBON BLACK (CAS 1333-86-4)	2B Possibly carcinogenic to humans.
Ethene, chloro-, homopolymer (CAS 9002-86-2)	3 Not classifiable as to carcinogenicity to humans.
Silica - Crystalline, (quartz) (CAS 14808-60-7)	1 Carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens

Silica - Crystalline, (quartz) (CAS 14808-60-7)	Known To Be Human Carcinogen.
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US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Ethene, chloro-, homopolymer (CAS 9002-86-2)	Cancer
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Reproductive toxicity

This product is not expected to cause reproductive or developmental effects

Specific target organ toxicity

-single exposure

Not classified.

Specific target organ toxicity

-repeated exposure

Not classified.

Aspiration hazard

Not available.

Chronic effects

Prolonged inhalation may be harmful.

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12. Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.

Product	Species	Test Results	
VINYL BARRIER (CAS Mixture)			
Crustacea	EC50	Daphnia	12.2181 mg/l, 48 hours estimated
Fish	LC50	Fish	357.9725 mg/l, 96 hours estimated

Components	Product	Test Results	
DIDP (CAS 26761-40-0)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	> 0.02 mg/l, 48 hour
Fish	LC50	Bluegill (Lepomis macrochirus)	> 0.37 mg/l, 96 hours

* Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues/unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (*see: Disposal instructions*).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.



14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

15. Regulatory information

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

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

DIDP (CAS 26761-40-0) Listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Ethene, chloro-, homopolymer (CAS 9002-86-2) Cancer
Central nervous system
Liver
Blood
Flammability

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 No

Hazardous chemical

SARA 313 (TRI reporting)

Not regulated.

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Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

CALCIUM CARBONATE (CAS 1317-65-3)

CARBON BLACK (CAS 1333-86-4)

Silica - Crystalline, (quartz) (CAS 14808-60-7)

US. New Jersey Worker and Community Right-to-Know Act

Ethene, chloro-, homopolymer (CAS 9002-86-2) 500 lbs

US. Pennsylvania RTK - Hazardous Substances

CALCIUM CARBONATE (CAS 1317-65-3)

CARBON BLACK (CAS 1333-86-4)

DIDP (CAS 26761-40-0)

Silica - Crystalline, (quartz) (CAS 14808-60-7)

US. Rhode Island RTK

DIDP (CAS 26761-40-0)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich (CAS 68515-48-0) Listed: December 20, 2013

US - California Proposition 65 - CRT: Listed date/Developmental toxin

DIDP (CAS 26761-40-0) Listed: April 20, 2007

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16. Other information, including date of preparation or last revision

Issue date 03-22-2013

Revision date 02-17-2014

Version # 06

Disclaimer The information in the sheet was written based on the best knowledge and experience currently available.

Revision Information Composition / Information on Ingredients: Component Summary.

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