

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

123 Columbia Court North • Suite 201 • Chaska, MN 55318 (952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

Email: sales@acousticalsurfaces.com Visit our Website: www.acousticalsurfaces.com

We Identify and S.T.O.P. Your Noise Problems SAFETY DATA SHEET

1. Identification

Product identifier **VINYL BARRIER**

Other means of identification

VINYL BARRIER **Product Code** 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

Rendered by manufacturer and released to: Manufacturer

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. Not classified.

Label elements

OSHA defined hazards

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

Storage Store away from incompatible materials.

Disposal

Hazard(s) not otherwise

classified (HNOC)

Supplemental Information

Wash hands after handling.

Dispose of contents/container in accordance with local/regional/national/international regulations.

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

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

Material name: VINYL BARRIER

5317 Version #: 06 Revision date: 02-17-2014 Issue date: 03-22-2013

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Chemical name	Common name and synonyms	CAS number	%
Octadecanoic acid		57-11-4	0.0208773438
Other components below report	rtable 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** Direct contact with eyes may cause temporary irritation.

symptoms/effects, acute and

delayed

Provide general supportive measures and treat symptomatically.

Indication of immediate medical attention and special

treatment needed

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.

the chemical

Specific hazards arising from During fire, gases hazardous to health may be formed.

Special protective equipment Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

firefighters Fire-fighting

Use water spray to cool unopened containers.

equipment/instructions

and precautions for

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards No unusual fire or explosion hazards noted.

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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	Туре	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	Туре	Value	Form
CALCIUM CARBONATE (CAS 1317-65-3)	PEL	5 mg/m3	Respirable fraction.
CARBON BLACK (CAS 1333-86-4)	PEL	15 mg/m3 3.5 mg/m3	Total dust.
Ethene, chloro- homopolymer (CAS 9002-86-2)	PEL	5 mg/m3 15 mg/m3	Respirable fraction. Total dust

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US. OSHA Table Z-3 (29 CFR 1910.10 Components	000) Type	Value	Form
Silica - Crystalline, (quartz) (CAS 14808-60-7)	TWA	0.3 mg/m3	Total dust.
,		0.1 mg/m3 2.4 millions of particle	Respirable. Respirable.
US. ACGIH Threshold Limit Values Components	Туре	Value	Form
CARBON BLACK (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
Ethene, chloro-, homopolymer (CAS 9002-86-2)	TWA	1 mg/m3	Respirable fraction.
Octadecanoic acid (CAS 57-11-4)	TWA	10 mg/m3	
Silica - Ćrystalline, (quartz) (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
US. NIOSH: Pocket Guide to Chemica	al Hazards		
Components	Туре	Value	Form
CALCIUM CARBONATE (CAS 1317-65-3)	TWA	5 mg/m3	Respirable.
CARBON BLACK (CAS	TWA	10 mg/m3 0.1 mg/m3	Total
1333-86-4) Silica - Crystalline, (quartz)	TWA	0.05 mg/m3	Respirable dust.

Biological limit values Exposure guidelines

(CAS 14808-60-7)

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

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.

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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 stateSolid.FormSolid.

Color
Not available.
Odor
Not available.
Odor threshold
Not available.
PH
Not available.
Melting point/freezing point
Not available.
Initial boiling point and
Not available.

boiling range

Flash point

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 densityNot available.Relative densityNot available.

Solubility(ies)

Solubility (water) Not available. **Partition coefficient** Not available.

(n-octanol/water)

Auto-ignition temperature 662 °F (350 °C) estimated

Decomposition temperature Not available. **Viscosity** Not available.

Other information

Density 0.99 g/cm3 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

IngestionExpected to be a low ingestion hazard.InhalationProlonged inhalation may be harmful.

Skin contactNo adverse effects due to skin contact are expected.Eye contactDirect contact with eyes may cause temporary irritation.nptoms related to theDirect contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics

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Information on likely routes of exposure

Acute toxicity

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

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation. **Serious eye damage/eye** Direct contact with eyes may cause temporary irritation.

irritation

Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization This product is not expected to cause skin sensitization

Germ cell mutagenicityNo data available to indicate product or any components present at greater than

0.1% are mutagenic or genotoxic.

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

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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.

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

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

Reproductive toxicityThis product is not expected to cause reproductive or

developmental effects

Specific target organ toxicity

-single exposure Not classified.

Specific target organ toxicity

-repeated exposure Aspiration hazardNot classified.

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 Fish	EC50 LC50	Daphnia Fish	12.2181 mg/l, 48 hours estimated 357.9725 mg/l, 96 hours estimated
Components		Product	Test Results
DIDP (CAS 26761-40-0)			
Aquatic			
Crustacea Fish	EC50 LC50	Water flea (Daphnia magna) Bluegill (Lepomis macrochirus)	> 0.02 mg/l, 48 hour > 0.37 mg/l, 96 hourss
* Estimatos for product may b	o bacod on additio	anal component data not shown	

^{*} 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 potentialMobility in soil
No data available.
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 instructionsCollect 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 codeThe 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.

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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 Not applicable Annex II of MARPOL 73/78 and the IBC Code

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

Not regulated.

(SDWA)

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 Listed: December 20, 2013 alkyl esters, C9-rich (CAS 68515-48-0)

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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