

MATERIAL SAFETY DATA SHEET

ARCADE CONNECTION INC.
300 HARDING BLVD #112
ROSEVILLE, CA 95678

Sample Name: PVC Floor

End Uses: Household and public places indoor floor material.

Composition/Ingredient of
sample (as per client submission): See *section 3 Composition/information on ingredients* on the SDS report.

Summary: The contents and formats of the SDS are prepared in accordance with US Regulations Relating to labor 29 CFR1910.1200 9g), and is provided per attached.

Remark:

This sample is likely to be classified as article and is out of scope of a SDS as set out in 29 CFR Part 1910.1200. This SDS is generated for client's references only.

I. Identification

- Product identifier
- Trade name: PVC floor
- Recommended use of the chemical and restrictions on use
- Application of the substance/ the preparation: *Household and public places indoor floor material*
- Detail of the supplier of the safety data sheet
- Supplier:

ARCADE CONNECTION INC.
300 HARDING BLVD #112
ROSEVILLE, CA 95678
Tel: (808) 834-2959

II. Hazard(s) Identification

- Classification of the substance or mixture
Classification according to OSHA Communication Standard (29 CFR 1910.1200)

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes eye irritation
STOT SE 3 H335 May cause respiratory irritation.
- Information concerning particular hazards for human and environment:
The product has to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).
- Classification system:
The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
- Label elements
- Labeling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)
- Signal word *Warning*
- Hazard-determining components of labeling: *Not applicable*
- Hazard statements
H315 Causes skin irritation
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
- Precautionary statements

<i>P101</i>	<i>If medical advice is needed, have product container or label at hand.</i>
<i>P102</i>	<i>Keep out of reach of children.</i>
<i>P103</i>	<i>Read label before use.</i>
<i>P261</i>	<i>Avoid breathing dust/fume/gas/mist/vapours/spray.</i>
<i>P280</i>	<i>Wear protective gloves/protective clothing/eye protection/face protection.</i>
<i>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.</i>	

- Precautionary statements (*continued*)
Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment (see on this label)
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/international regulations.
- Hazards not otherwise classified (HNOC) *No further relevant information available.*

III. Composition/Information on Ingredients

- Chemical characterization: Mixtures
- Description:
Mixture of the substance listed below with nonhazardous additions.
For the wording of the listed risk phrases refer to section 16.
- Hazardous components:

471-34-1	Calcium Carbonate	68.7%
9002-86-2	Polyvinyl Chloride -Skin Irrit. 2, H315; Eye Irrit. 2A, H319, STOT SE, H335	22.95%
557-05-1	Zinc distearate, pure	0.37%
1333-86-4	Carbon Black	0.1%
65997-17-3	Fibrous Glass -Carc. 2, H351; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	0.02%
57472-68-1	Oxybris (Methyl-2, 1-Ethanedyl) Diacrylate -Eye Dam. 1, H318; Skin Irrit. 2, H315; Skin Sens. 1, H317	1.01%

- Non-Hazardous components:

6422-86-2	Bis (2-Ethylhexyl) Terephthalate)	7.45%
1592-23-0	Calcium Distearate, Pure	0.4%

IV. First-Aid Measures

- Description of first aid measures
- After inhalation: *In case of unconsciousness place patient stably in side position for transportation.*
- After skin contact:
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- After eye contact:
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:
Rinse out mouth with water.
Seek medical treatment.
- After swallowing: (*continued*)

Never give anything by mouth to an unconscious person.

- Most important symptoms and effects, both acute and delayed. *No further information available.*
- Indication of any immediate medical attention and special treatment needed.
No further relevant information available.

V. 5 Fire-Fighting Measures

- Suitable extinguishing agents:
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture: *No further relevant information available.*
- Special protective equipment and precautions for firefighters.
- Protective equipment:
Wear fully protective suit.
Mouth respiratory protective device.

VI. Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures:
Ensure adequate ventilation.
Avoid formation of dust.
Keep away from ignition of sources.
Use respiratory protective device against the effects of fumes/dust/aerosol.
- Environmental precautions: *Do not allow to enter sewers/ surface or ground water.*
- Methods and material for containment and cleaning up:
Ensure adequate ventilation.
Dispose contaminated material as waste according to item 13.

VII. Handling and Storage

- Precautions for safe handling:
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of dust.
- Information about protection against explosions and fires:
Keep ignition sources away – Do not smoke.
Normal measures for preventive fire protection.
- Conditions for safe storage, including any incompatibilities.
- Requirements to be met by storerooms and receptacles: *Store in a cool location.*

- Information about storage in one common storage facility:
Store away from foodstuffs.
Store away from flammable substances.
Store away from oxidizing agents.
- Further information about storage conditions: *Store in cool, dry conditions in well-sealed receptacles.*

VIII. Exposure Controls/Personal Protection

- C

o n p o n e n t s w i t h l i m i t	471-34-1 Calcium Carbonate (68.7%)	
	PEL (USA)	Long-Term Value: 15* 5** mg/m ³ *total dust **respirable fraction
	REL (USA)	Long-Term Value: 10* 5** mg/m ³ *total dust **respirable fraction
	TLV (USA)	TLV withdrawn
	9002-86-2 Polyvinyl Chloride (22.95%)	
	TLV (USA)	Long-Term Value: 1* mg/m ³ As respirable fraction
	557-05-1 Zinc Distearate, Pure (0.37%)	
	PEL (USA)	Long-Term Value: 15* 5** mg/m ³ *total dust **respirable fraction
	REL (USA)	Long-Term Value: 10* 5** mg/m ³ *total dust **respirable fraction
	TVL (USA)	Long-Term Value: 10 mg/m ³
	1333-86-4 Carbon Black (0.1%)	
	PEL (USA)	Long-Term Value: 3.5 mg/m ³
	REL (USA)	Long-Term Value: 3.5* mg/m ³ *0.1% in presence of PAHs; See Pocket Guide Apps. A+C
	TLV (USA)	Long-Term Value: 3* mg/m ³ *inhalable fraction

values that require monitoring at the workplace:

- Additional information: *The lists that were valid during the creation were used as basis.*
- Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure.
- Appropriate engineering controls:
Keep away from foodstuffs, beverages and feed,
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
See Section 7 for information about design of technical facilities.

- Protection of hands:
Protective gloves.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- Protection of hands: (continued)
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture,.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
- Material of gloves:
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.
- Penetration time of glove material:
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection:
Tightly sealed and goggles.

IX. Accidental Release Measures

- | | |
|----------------------------------|-------------------------------|
| • General Information | |
| • Appearance | |
| - Form: | <i>Square and rectangular</i> |
| - Color: | <i>Black</i> |
| • Odor: | <i>Odorless</i> |
| • Odor threshold: | <i>Not available</i> |
| • pH-value: | <i>Not available</i> |
| • Change in condition: | <i>Not available</i> |
| - Melting point/Melting range: | <i>Not available</i> |
| - Freezing point | <i>Not available</i> |
| - Boiling point/Boiling range: | <i>Not available</i> |
| • Flash point: | <i>Not available</i> |
| • Flammability (solid, gaseous): | <i>Not available</i> |
| • Auto-Ignition temperature: | <i>>291 °C</i> |
| • Decomposition temperature: | <i>291 °C</i> |
| • Explosion limits: | |
| - Lower: | <i>Not available</i> |
| - Upper: | <i>Not available</i> |
| • Vapor pressure: | <i>Not available</i> |
| • Density: | <i>1.95g/cm³</i> |
| • Relative density: | <i>Not available</i> |
| • Vapor density: | <i>Not available</i> |
| • Evaporation rate: | <i>Not available</i> |

- Solubility in / Miscibility with water: *Not available*
- Partition coefficient (in-octanol/water): *Not available*
- Viscosity:
 - Dynamic: *Not available*
 - Kinematic: *Not available*
- Other information: *No further relevant information available.*

X. Stability and Reactivity

- Reactivity *No decomposition if used according to specifications*
- Chemical stability *Stable under recommended storage conditions.*
- Possibility of hazardous reactions *No dangerous reactions conditions.*
- Conditions to avoid *No further relevant information available.*
- Incompatible materials: *No further relevant information available.*
- Hazardous decomposition products: *No dangerous decomposition products known.*

XI. Toxicological Information

- Acute toxicity
- LD/LC50 values that are relevant for classification:

475-34-1 Calcium Carbonate		
Oral	LD50	6450 mg/kg (rat)
557-05-1 Zinc Distearate, Pure		
Oral	LD50	>10000 mg/kg (mouse) >1000 mg/kg (rat)
1333-86-4 Carbon Black		
Oral	LD50	>8000 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rabbit)
57472-68-1 Oxybis (Methyl-2, 1-Ethanediy) Diacrylate		
Oral	LD50	4600 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)

- Primary irritant effect
 - on the skin: *Irritation to skin and mucous membrane.*
 - in the eye: *Irritating effect.*
- Sensitization: *Sensitization possible.*
- Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

•

C	IARC (International Agency for Research on Cancer)	
a	9002-86-2	Polyvinyl chloride
r	1333-86-4	Carbon black
c	NTP (National Toxicology Program)	
i	None of the ingredients is listed.	
n	OSHA-Ca (Occupational Safety & Health Administration)	
o	None of the ingredients is listed.	

genic categories

XII. Ecological Information

- Toxicity
- Aquatic toxicity: *No further relevant information available.*
- Persistence and degradability *No further information available.*
- Bio-accumulative potential *No further relevant information available.*
- Other adverse effects *No further relevant information available.*

XIII. Disposal Considerations

- Waste treatment methods
- Recommendation:
Must not be disposed of together with household garbage. Do not allow to reach sewage system.
- Un-cleaned packaging's
- Recommendation: *Disposal must be made according to official regulations.*

XIV. Transport Information

- UN-Number
- DOT, IMDG, IATA *Not applicable.*
- UN proper shipping name
- DOT, IMG, IATA *Not applicable.*
- Transport hazard class(es)
- DOT, IMDG, IATA
- Class *Not applicable.*
- Environmental hazards

- | | |
|---|-----------------|
| • Marine pollutant: | No. |
| • Special precautions for user | Not applicable. |
| • Transport in bulk according to Annex II of MARPOL73/78 and the IBC code | Not applicable. |
| • UN "Model Regulation": | -- |

XV. Regulatory Information

- Safety health and environmental regulations specific for the substance or mixture
- Sara
 - Section 355 (*extremely hazardous substances*): *None of the ingredient is listed.*
 - Section 313 (*Specific toxic chemical listings*): 557-05-1, zinc distearate, pure
 - TSCA (*Toxic Substances Control Act*): *All ingredients are listed.*
- Proposition 65
 - Chemicals known to cause cancer: 1333-86-4; carbon black
 - Chemicals known to cause reproductive toxicity for females: *None of the ingredients is listed.*
 - Chemicals known to cause reproductive toxicity for males: *None of the ingredients is listed.*
 - Chemicals known to cause developmental toxicity: *None of the ingredients is listed.*
- Cancerogenity categories
 - EPA (*environmental Protection Agency*): 55705-1, zinc, distearate, pure
 - TLV (*Threshold Limit Value established by ACGIH*): 9002-86-2, polyvinyl chloride; 1333-86-4, carbon black
 - NIOSH-Ca (*National Institute for Occupational Safety and Health*): 1333-86-4, carbon black

XVI. Regulatory Information

- NFPA ratings (scale 0 - 4)
 - Health = 1, Fire = 0, Reactive = 0
- HMIS ratings (scale 0 - 4)
 - Health = 1, Fire = 0, Reactive = 0
- Relevant phrases
- H315 Causes skin irritation.
 - H317 May cause an allergic skin reaction.
 - H318 Causes serious eye damage.
 - H319 Causes serious eye irritation.
 - H335 May cause respiratory irritation.
 - H351 Suspected of causing cancer.
 - Abbreviations and acronyms: IMDG: *International Maritime Code for Dangerous Goods*
 - DOT: *US Department of Transportation*
 - IATA: *International Air Transportation Association*
 - ACGIH: *American Conference of Governmental Industrial Hygienists*

- *EINECS: European Inventory of Existing Commercial Chemical Substances*
- *ELINCS: European List of Notified Chemical Substances*
- *CAS: Chemical Abstracts Service (division of the American Chemical Society)*
- *LC50: Lethal concentration, 50 percent*
- *LD50: Lethal dose, 50 percent*
- *Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2*
- *Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1*
- *Abbreviations and acronyms: (continued)*
 - *Eye Irrit. 2A: Serious eye damage/eye irritation, Hazardous Category 2A*
 - *Skin Sens. 1: Sensitization – Skin, Hazardous Category 1*
 - *Carc. 2: Carcinogenicity, Hazard Category 2*
 - *STOT SE 3: Specific target organ toxicity – Single exposure, Hazard Category 3*