

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 06/30/2009

Reviewed on 06/30/2009

1 Identification of substance

- **Product details**

- **Trade name:** Perfetto~Espray™ Matrix 200™

- **Article number:** PE201BG (bag)

- **Application of the substance / the preparation**

- **Manufacturer/Supplier:**

Legacy™A Division of Solomon Colors, Inc.
4050 Color Plant RD
Springfield, IL 62702

Tel.: (800)624-0261

- **Information department:** Environmental, Health, and Safety department.

2 Composition/Data on components

- **Chemical characterization**

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

14808-60-7	Quartz (SiO ₂)	50-75%
65997-15-1	Cement, portland, chemicals	10-25%
1317-65-3	Limestone	10-25%
7778-18-9	calcium sulphate, natural	≤ 2.5%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- **SILICOSIS WARNING**

WARNING Prolonged, unprotected exposure may result in non-reversible Silicosis or Lung Cancer. All applicators / installers of Perfetto~Espray™ Matrix 200™, concrete finishers and all on-site personnel must wear an OSHA-NIOSH approved fitted dust respirator while applying or working around Perfetto~Espray™ Matrix 200™. Avoid contact with eyes and skin. Wear rubber gloves to protect the skin and eye goggles to protect the eyes. Before using this product completely read the Perfetto~Espray™ Matrix 200™ Technical Data Sheet and MSDS Sheet. Close container after each use. KEEP OUT OF REACH OF CHILDREN.

HAZARDOUS INGREDIENTS This product contains the following chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Right-To-Know Act of 1986 and of 40 CFR 372.

Silica, Crystalline Quartz: OSHA PEL = 5mg/m³, ACGH-TLV = 5mg/m³, CAS NO. 65997-15-1. Repeated inhalation and prolonged exposure may result in delayed lung injury especially with those with existing reparatory ailments. Acute Silicosis may develop in a short time with heavy exposure. Silicosis can be progressive and cause death.

- **Hazard description:** Not applicable

- **Information pertaining to particular dangers for man and environment:**

The product has to be labelled due to internationally acknowledged calculation procedures using the latest valid versions.

- **Classification system:**

The classification was made according to the latest editions of international substances list, and expanded upon from company and literature data.

- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	0	Fire = 0
PHYSICAL HAZARD	0	Reactivity = 0

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 06/30/2009

Reviewed on 06/30/2009

Trade name: **Perfetto~Espray™ Matrix 200™**

(Contd. of page 1)

4 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:** If symptoms persist consult doctor.

5 Fire fighting measures

- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:**
Because fire may produce thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:** Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Prevent formation of dust.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**

14808-60-7 Quartz (SiO₂)

REL ()	0.05* mg/m ³
	*Respirable dust
TLV ()	(0.05 R) mg/m ³
	NIC-0.025 R

(Contd. on page 3)

USA

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 06/30/2009

Reviewed on 06/30/2009

Trade name: **Perfetto~Espray™ Matrix 200™**

(Contd. of page 2)

65997-15-1 Cement, portland, chemicals

PEL ()	50 mppcf or 15*;5** mg/m ³ *Total dust **Respirable fraction
REL ()	10*; 5** mg/m ³ *Total dust **Respirable fraction
TLV ()	10 mg/m ³ (e)

1317-65-3 Limestone

PEL ()	15*; 5** mg/m ³ *Total dust **Respirable fraction
REL ()	10*; 5** mg/m ³ *Total dust **Respirable fraction
TLV ()	10 mg/m ³ (e)

7778-18-9 calcium sulphate, natural

PEL ()	15*; 5** mg/m ³ *Total dust **Respirable fraction
REL ()	10*; 5** mg/m ³ *Total dust **Respirable fraction
TLV ()	10 mg/m ³ (e)

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

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.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests, no recommendation to the glove material can be given for the product.

Select the glove material upon 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 to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not 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.

(Contd. on page 4)

USA

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 06/30/2009

Reviewed on 06/30/2009

Trade name: *Perfetto~Espray™ Matrix 200™*

(Contd. of page 3)

· **Eye protection:**

Tightly sealed goggles

9 Physical and chemical properties

· **General Information**

Form:	Solid
Color:	According to product specification
Odor:	Characteristic

· **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	> 999°C (> 1830°F)

· **Flash point:** Not applicable.· **Auto igniting:** Product is not selfigniting.· **Danger of explosion:** Product does not present an explosion hazard.· **Density at 20°C (68°F):** 2.78 g/cm³· **Solubility in / Miscibility with**

Water:	Soluble.
---------------	----------

· **Solvent content:**

Organic solvents:	0.0 %
--------------------------	-------

· **Solids content:** 100.0 %· **Volatile Organic Compounds:** Not determined

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.· **Dangerous reactions** No dangerous reactions known.· **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**· **Primary irritant effect:**· **on the skin:** Irritant to skin and mucous membranes.· **on the eye:** Irritating effect.· **Sensitization:** No sensitizing effects known.· **Additional toxicological information:**

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

(Contd. on page 5)

USA

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 06/30/2009

Reviewed on 06/30/2009

Trade name: Perfetto~Espray™ Matrix 200™

(Contd. of page 5)

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**· **Chemicals known to the State of California (Prop. 65) to cause cancer:**14808-60-7 Quartz (SiO₂)· **Chemicals known to the State of California (Prop. 65) to cause reproductive toxicity:**

None of the ingredients is listed.

· **Carcinogenicity categories**· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **IARC (International Agency for Research on Cancer)**14808-60-7 Quartz (SiO₂) 1

13463-67-7 titanium dioxide 3

1309-37-1 diiron trioxide 3

· **NTP (National Toxicology Program)**14808-60-7 Quartz (SiO₂) K· **TLV (Threshold Limit Value established by ACGIH)**14808-60-7 Quartz (SiO₂) A2

1344-28-1 aluminium oxide A4

13463-67-7 titanium dioxide A4

1309-37-1 diiron trioxide A4

1344-95-2 Silicic acid, calcium salt A4

· **MAK (German Maximum Workplace Concentration)**14808-60-7 Quartz (SiO₂) 1

1344-28-1 aluminium oxide 2

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**14808-60-7 Quartz (SiO₂)

13463-67-7 titanium dioxide

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

· **Hazard symbols:** Xi Irritant· **Risk phrases:** 36/37/38 Irritating to eyes, respiratory system and skin.· **Safety phrases:**

22 Do not breathe dust.

24/25 Avoid contact with skin and eyes.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

28 After contact with skin, wash immediately with plenty of soap and water.

(Contd. on page 7)

USA

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 06/30/2009

Reviewed on 06/30/2009

Trade name: Perfetto~Espray™ Matrix 200™

(Contd. of page 6)

- **National regulations:**
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information

The provided information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Environmental, Health & Safety Department
- **Contact:** Environmental, Health & Safety Manager

USA