SECTION 1. IDENTIFICATION

Product name: SYNCRYSTAL Soft Peach
Product code: 020919MJ0

Manufacturer or supplier’s details
Company name of supplier: ECKART GmbH
Address: Guentersthal 4
Hartenstein 91235
Telephone: +499152770
Telefax: +499152777008
Emergency telephone number: CHEMTREC: 800-424-9300
CHEMTREC: 1-703-527-3387 (International)
GBK Gefahrgut Buero GmbH, Ingelheim, Germany:
From outside US: (001) 352-323-3500
(First call in English, response in your language is possible)
US & Canada (toll free):1-800-5355-053

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200
Combustible dust

GHS label elements
Signal word: Warning
Hazard statements: May form combustible dust concentrations in air.

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluorphlogopite (Mg3K[AlF2O(SiO3)3])</td>
<td>12003-38-2</td>
<td>&gt;= 50 - &lt; 70</td>
</tr>
</tbody>
</table>
SECTION 4. FIRST AID MEASURES

General advice: No hazards which require special first aid measures.

If inhaled: If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.

In case of skin contact: Wash off with soap and water.

In case of eye contact: Remove contact lenses. If eye irritation persists, consult a specialist.

If swallowed: Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed: None known.

SECTION 5. FIREFIGHTING MEASURES

Further information: Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Avoid dust formation.

Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
SECTION 7. HANDLING AND STORAGE

- **Advice on protection against fire and explosion**: Normal measures for preventive fire protection.
- **Advice on safe handling**: For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.
- **Conditions for safe storage**: Electrical installations / working materials must comply with the technological safety standards.
- **Materials to avoid**: No materials to be especially mentioned.
- **Further information on storage stability**: Keep in a dry place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluorphlogopite (Mg3K[AlF2O(SiO3)3])</td>
<td>12003-38-2</td>
<td>TWA</td>
<td>2.5 mg/m³ (Fluorine)</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>2.5 mg/m³ (Fluorine)</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>2.5 mg/m³ (Fluorine)</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>2.5 mg/m³ (Fluorine)</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Respirable fraction)</td>
<td>1 mg/m³ (Aluminium)</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>2.5 mg/m³ (Fluorine)</td>
<td>OSHA P0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>2.5 mg/m³ (Fluorine)</td>
<td>OSHA P0</td>
</tr>
<tr>
<td>Iron oxide (Fe₂O₃)</td>
<td>1309-37-1</td>
<td>TWA (total dust)</td>
<td>50 Million particles per cubic foot</td>
<td>OSHA Z-3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (total dust)</td>
<td>15 mg/m³</td>
<td>OSHA Z-3</td>
</tr>
<tr>
<td>Chemical</td>
<td>TWA (Respirable fraction)</td>
<td>Limit</td>
<td>Agency</td>
<td></td>
</tr>
<tr>
<td>--------------------------</td>
<td>---------------------------</td>
<td>------------------------</td>
<td>------------</td>
<td></td>
</tr>
<tr>
<td>Titanium oxide (TiO₂)</td>
<td>5 mg/m³</td>
<td>15 Million particles per cubic foot</td>
<td>OSHA Z-3</td>
<td></td>
</tr>
<tr>
<td>Fluorphlogopite (Mg₃K[AlF₂O(SiO₃)₃])</td>
<td>2.5 mg/m³ (Fluorine)</td>
<td>2.5 mg/m³ (Fluorine)</td>
<td>OSHA Z-1</td>
<td></td>
</tr>
<tr>
<td>Fluorphlogopite (Mg₃K[AlF₂O(SiO₃)₃])</td>
<td>5 mg/m³ (Fluorine)</td>
<td></td>
<td>OSHA Z-1</td>
<td></td>
</tr>
<tr>
<td>Fluorphlogopite (Mg₃K[AlF₂O(SiO₃)₃])</td>
<td>10 mg/m³ (Titanium dioxide)</td>
<td></td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td>Substance</td>
<td>CAS Number</td>
<td>TWA (Respirable fraction)</td>
<td>1 mg/m³ (Aluminium)</td>
<td>ACGIH</td>
</tr>
<tr>
<td>-----------</td>
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<td>--------------------------</td>
<td>---------------------</td>
<td>-------</td>
</tr>
<tr>
<td>TWA</td>
<td></td>
<td>2.5 mg/m³ (Fluorine)</td>
<td>OSHA P0</td>
<td></td>
</tr>
<tr>
<td>TWA</td>
<td></td>
<td>2.5 mg/m³ (Fluorine)</td>
<td>OSHA P0</td>
<td></td>
</tr>
<tr>
<td>Iron oxide (Fe₂O₃)</td>
<td>1309-37-1</td>
<td>TWA (total dust)</td>
<td>50 Million particles per cubic foot</td>
<td>OSHA Z-3</td>
</tr>
<tr>
<td>TWA (total dust)</td>
<td></td>
<td>15 mg/m³</td>
<td>OSHA Z-3</td>
<td></td>
</tr>
<tr>
<td>TWA (respirable fraction)</td>
<td></td>
<td>5 mg/m³</td>
<td>OSHA Z-3</td>
<td></td>
</tr>
<tr>
<td>TWA (respirable fraction)</td>
<td></td>
<td>15 Million particles per cubic foot</td>
<td>OSHA Z-3</td>
<td></td>
</tr>
<tr>
<td>TWA (Respirable fraction)</td>
<td></td>
<td>5 mg/m³</td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td>TWA (Fumes)</td>
<td></td>
<td>10 mg/m³</td>
<td>OSHA Z-1</td>
<td></td>
</tr>
<tr>
<td>TWA (total dust)</td>
<td></td>
<td>15 mg/m³</td>
<td>OSHA Z-1</td>
<td></td>
</tr>
<tr>
<td>TWA (respirable fraction)</td>
<td></td>
<td>5 mg/m³</td>
<td>OSHA Z-1</td>
<td></td>
</tr>
<tr>
<td>TWA (dust and fume)</td>
<td></td>
<td>5 mg/m³ (Iron)</td>
<td>NIOSH REL</td>
<td></td>
</tr>
<tr>
<td>TWA (Fumes)</td>
<td></td>
<td>10 mg/m³</td>
<td>OSHA P0</td>
<td></td>
</tr>
<tr>
<td>Titanium oxide (TiO₂)</td>
<td>13463-67-7</td>
<td>TWA (total dust)</td>
<td>50 Million particles per cubic foot</td>
<td>OSHA Z-3</td>
</tr>
<tr>
<td>TWA (total dust)</td>
<td></td>
<td>15 mg/m³</td>
<td>OSHA Z-3</td>
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<tr>
<td>TWA (respirable fraction)</td>
<td></td>
<td>5 mg/m³</td>
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<td></td>
</tr>
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<td></td>
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<td>OSHA Z-3</td>
<td></td>
</tr>
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<td></td>
<td>15 mg/m³</td>
<td>OSHA Z-1</td>
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</tr>
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</table>
### Biological occupational exposure limits

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Control parameters</th>
<th>Biological specimen</th>
<th>Sampling time</th>
<th>Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluorphlogopite (Mg₃K[AlF₂O(SiO₃)₃])</td>
<td>12003-38-2</td>
<td>Fluoride</td>
<td>Urine</td>
<td>Prior to shift (16 hours after exposure ceases)</td>
<td>3 mg/g</td>
<td>ACGIH BEI</td>
</tr>
<tr>
<td>Fluoride</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fluoride</td>
<td></td>
<td></td>
<td></td>
<td>End of shift (As soon as possible after exposure ceases)</td>
<td>10 mg/g</td>
<td>ACGIH BEI</td>
</tr>
<tr>
<td>Fluoride (Fluorine)</td>
<td></td>
<td></td>
<td></td>
<td>Prior to shift (16 hours after exposure ceases)</td>
<td>2 mg/l</td>
<td>ACGIH BEI</td>
</tr>
<tr>
<td>Fluoride (Fluorine)</td>
<td></td>
<td></td>
<td></td>
<td>End of shift (As soon as possible after exposure ceases)</td>
<td>3 mg/l</td>
<td>ACGIH BEI</td>
</tr>
<tr>
<td>Fluorphlogopite (Mg₃K[AlF₂O(SiO₃)₃])</td>
<td>12003-38-2</td>
<td>Fluoride</td>
<td>Urine</td>
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</tr>
<tr>
<td>Fluoride</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fluoride</td>
<td></td>
<td></td>
<td></td>
<td>End of shift (As soon as possible after exposure after)</td>
<td>10 mg/g</td>
<td>ACGIH BEI</td>
</tr>
</tbody>
</table>
Fluoride (Fluorine) Urine Prior to shift (16 hours after exposure ceases) 2 mg/l ACGIH BEI

Fluoride (Fluorine) Urine End of shift (As soon as possible after exposure ceases) 3 mg/l ACGIH BEI

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : powder
Colour : No data available
Odour : odourless
Odour Threshold : No data available
pH : No data available
Melting point/freezing point : No data available
Initial boiling point and boiling range : No data available
Flash point : No data available
Evaporation rate : No data available
Flammability (solid, gas) : Will not burn

Upper explosion limit / Upper flammability limit : No data available
Lower explosion limit / Lower flammability limit : No data available
Vapour pressure : No data available
Relative density : No data available
Solubility(ies) : No data available
SAFETY DATA SHEET
SYNCRystal Soft Peach

Version 1.0
Revision Date: 03/21/2018
SDS Number: 102000022220
Date of last issue: -
Date of first issue: 03/21/2018

Water solubility: insoluble
Partition coefficient: n-octanol/water: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity: No data available

SECTION 10. STABILITY AND REACTIVITY
Reactivity: No decomposition if stored and applied as directed.
Chemical stability: No decomposition if stored and applied as directed.
Possibility of hazardous reactions: Stable under recommended storage conditions. Dust may form explosive mixture in air.
Conditions to avoid: No data available

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity
Not classified based on available information.
Components:
Titanium oxide (TiO2):
Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity: LC50 (Rat): 6.8 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Acute dermal toxicity: LD50 (Rabbit): > 5,000 mg/kg

Skin corrosion/irritation
Not classified based on available information.
Serious eye damage/eye irritation
Not classified based on available information.
Respiratory or skin sensitisation
Skin sensitisation
Not classified based on available information.
Respiratory sensitisation
Not classified based on available information.
Germ cell mutagenicity
Not classified based on available information.

Carcinogenicity
Not classified based on available information.

IARC
Group 2B: Possibly carcinogenic to humans
Titanium oxide (TiO2) 13463-67-7

OSHA
No component of this product present at levels greater than or equal to 0.1% is on OSHA’s list of regulated carcinogens.

NTP
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity
Not classified based on available information.

STOT - single exposure
Not classified based on available information.

STOT - repeated exposure
Not classified based on available information.

Aspiration toxicity
Not classified based on available information.

Further information

Components:
Fluorphlogopite (Mg₃K[AlF₂O(SiO₃)₃]):
Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity
No data available

Persistence and degradability
No data available

Bioaccumulative potential
No data available
SAFETY DATA SHEET

SYNCRYSTAL Soft Peach

Other adverse effects
No data available

Components:
Fluorphlogopite (Mg3K[AlF2O(SiO3)3]):
Additional ecological information : No data available

SECTION 13. DISPOSAL CONSIDERATIONS
Disposal methods
Waste from residues : In accordance with local and national regulations.
Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal. In accordance with local and national regulations.

SECTION 14. TRANSPORT INFORMATION
International Regulations
Remarks : Not classified as dangerous in the meaning of transport regulations.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

National Regulations

SECTION 15. REGULATORY INFORMATION
EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity
This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity
This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Combustible dust
SAFETY DATA SHEET
SYNCRYSTAL Soft Peach

Version 1.0  Revision Date: 03/21/2018  SDS Number: 102000022220  Date of last issue: -  Date of first issue: 03/21/2018

SARA 313  This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act
This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B). This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act
This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A. This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3. This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations
Massachusetts Right To Know
Iron oxide (Fe2O3)  1309-37-1
Titanium oxide (TiO2)  13463-67-7

Pennsylvania Right To Know
Fluorphlogopite (Mg3K[AlF2O(SiO3)3])  12003-38-2
Iron oxide (Fe2O3)  1309-37-1
Titanium oxide (TiO2)  13463-67-7

California Prop. 65
WARNING: This product can expose you to chemicals including lead and cadmium, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

WARNING: This product can expose you to chemicals including Titanium oxide (TiO2), which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.
California List of Hazardous Substances

<table>
<thead>
<tr>
<th>Substance</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluorphlogopite (Mg3K[AlF2O(SiO3)3])</td>
<td>12003-38-2</td>
</tr>
<tr>
<td>Iron oxide (Fe2O3)</td>
<td>1309-37-1</td>
</tr>
</tbody>
</table>

California Permissible Exposure Limits for Chemical Contaminants

<table>
<thead>
<tr>
<th>Substance</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluorphlogopite (Mg3K[AlF2O(SiO3)3])</td>
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<tr>
<td>Iron oxide (Fe2O3)</td>
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</tr>
<tr>
<td>Titanium oxide (TiO2)</td>
<td>13463-67-7</td>
</tr>
</tbody>
</table>

The components of this product are reported in the following inventories:

- **DSL**: All components of this product are on the Canadian DSL
- **TSCA**: On TSCA Inventory

**TSCA list**

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

**SECTION 16. OTHER INFORMATION**

**Full text of other abbreviations**

- **ACGIH**: USA. ACGIH Threshold Limit Values (TLV)
- **ACGIH BEI**: ACGIH - Biological Exposure Indices (BEI)
- **NIOSH REL**: USA. NIOSH Recommended Exposure Limits
- **OSHA P0**: USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
- **OSHA Z-1**: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
- **OSHA Z-3**: USA. Occupational Exposure Limits (OSHA) - Table Z-3 Minerals and Dusts
- **ACGIH / TWA**: 8-hour, time-weighted average
- **NIOSH REL / TWA**: Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
- **OSHA P0 / TWA**: 8-hour time weighted average
- **OSHA Z-1 / TWA**: 8-hour time weighted average
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / EN