



Safety Data Sheet (SDS) Report

SDS number: SHAH0171297902

Applicant: Friesland Sunrise Capital Limited
Room 2302, 23/F, Lee Garden Two, 28 Yun Ping Road, Causeway Bay, Hong Kong

Issue Date: 2024-07-26

Sample Description:

The sample information was submitted and identified on client's behalf to be:

Product Name : HEXAGONAL OIL PASTELS ST12
Physical State : Solid
Data Received : Jul 17, 2024
Data Reviewed : Jul 26, 2024

Service Requested:

Based on the information provided by the applicant, the Safety Data Sheet (SDS) was generated in accordance with the requirements of OSHA HazCom Standard (2012), for details please refer to attached pages.

Authorized By:

On Behalf Of Regulatory Affairs in Intertek Testing Services Ltd., Shanghai

A handwritten signature in black ink that reads "Anna Wang".

Anna Wang
Technical Manager

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HEXAGONAL OIL PASTELS ST12

Safety Data Sheet

according to US HazCom 2012

Issue date: 7/26/2024 Revision date: 7/26/2024 Version: 1.0 SDS Number: SHAH0171297902

SECTION 1: Identification

1.1. Identification

Product form : Mixtures
Product name : HEXAGONAL OIL PASTELS ST12

1.2. Recommended use and restrictions on use

Recommended use : Children's coloring and drawing

1.3. Supplier

Supplier
Friesland Sunrise Capital Limited
Room 2302, 23/F, Lee Garden Two, 28 Yun Ping Road, Causeway Bay, Hong Kong
T 0086- 15810385736
ashley.tang@frieslandsunrise.com

Importer
NASCO
901 Janesville Ave, Fort Atkinson, WI53538-0901
T (920)568.5515
reed@nascoeducation.com

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS US labeling

No labeling applicable

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

| Name | Product identifier | % |
|---|---------------------|----|
| Color 1: | | |
| Carbonic acid, calcium salt (1:1) | CAS-No.: 471-34-1 | 40 |
| Magnesium stearate | CAS-No.: 557-04-0 | 15 |
| Palm oil, hydrogenated | CAS-No.: 68514-74-9 | 15 |
| Paraffin oils | CAS-No.: 8012-95-1 | 15 |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter \leq 10 μm] | CAS-No.: 13463-67-7 | 6 |
| Paraffin waxes and Hydrocarbon waxes | CAS-No.: 8002-74-2 | 5 |
| Butanamide, 2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenyl- | CAS-No.: 2512-29-0 | 3 |
| Butanamide, 2-[(4-chloro-2-nitrophenyl)azo]-N-(2-chlorophenyl)-3-oxo- | CAS-No.: 6486-23-3 | 1 |
| Color 2: | | |
| Carbonic acid, calcium salt (1:1) | CAS-No.: 471-34-1 | 44 |
| Magnesium stearate | CAS-No.: 557-04-0 | 15 |
| Palm oil, hydrogenated | CAS-No.: 68514-74-9 | 15 |
| Paraffin oils | CAS-No.: 8012-95-1 | 15 |
| Carbon black | CAS-No.: 1333-86-4 | 6 |
| Paraffin waxes and Hydrocarbon waxes | CAS-No.: 8002-74-2 | 5 |
| Color 3: | | |
| Carbonic acid, calcium salt (1:1) | CAS-No.: 471-34-1 | 40 |
| Magnesium stearate | CAS-No.: 557-04-0 | 15 |
| Palm oil, hydrogenated | CAS-No.: 68514-74-9 | 15 |
| Paraffin oils | CAS-No.: 8012-95-1 | 15 |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter \leq 10 μm] | CAS-No.: 13463-67-7 | 7 |
| Paraffin waxes and Hydrocarbon waxes | CAS-No.: 8002-74-2 | 5 |
| C.I. Pigment Blue 15 | CAS-No.: 147-14-8 | 3 |
| Color 4: | | |
| Carbonic acid, calcium salt (1:1) | CAS-No.: 471-34-1 | 40 |
| Magnesium stearate | CAS-No.: 557-04-0 | 15 |
| Palm oil, hydrogenated | CAS-No.: 68514-74-9 | 15 |
| Paraffin oils | CAS-No.: 8012-95-1 | 15 |
| Paraffin waxes and Hydrocarbon waxes | CAS-No.: 8002-74-2 | 5 |
| Diiron trioxide | CAS-No.: 1309-37-1 | 5 |

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| Name | Product identifier | % |
|--|---------------------|-----|
| 2-Naphthalenecarboxylic acid, 4-[(5-chloro-4-methyl-2-sulfophenyl)azo]-3-hydroxy-, strontium salt (1:1) | CAS-No.: 15782-05-5 | 4 |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] | CAS-No.: 13463-67-7 | 1 |
| Color 5: | | |
| Carbonic acid, calcium salt (1:1) | CAS-No.: 471-34-1 | 40 |
| Magnesium stearate | CAS-No.: 557-04-0 | 15 |
| Palm oil, hydrogenated | CAS-No.: 68514-74-9 | 15 |
| Paraffin oils | CAS-No.: 8012-95-1 | 15 |
| Paraffin waxes and Hydrocarbon waxes | CAS-No.: 8002-74-2 | 5 |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] | CAS-No.: 13463-67-7 | 5 |
| C.I. Pigment Orange 13 | CAS-No.: 3520-72-7 | 3 |
| 2-Naphthalenecarboxamide, 3-hydroxy-4-[(2-methyl-5-nitrophenyl)azo]-N-phenyl- | CAS-No.: 6448-95-9 | 2 |
| Color 6 | | |
| Carbonic acid, calcium salt (1:1) | CAS-No.: 471-34-1 | 40 |
| Magnesium stearate | CAS-No.: 557-04-0 | 15 |
| Palm oil, hydrogenated | CAS-No.: 68514-74-9 | 15 |
| Paraffin oils | CAS-No.: 8012-95-1 | 15 |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] | CAS-No.: 13463-67-7 | 6 |
| Paraffin waxes and Hydrocarbon waxes | CAS-No.: 8002-74-2 | 5 |
| C.I. Pigment Blue 15 | CAS-No.: 147-14-8 | 3.8 |
| Carbon black | CAS-No.: 1333-86-4 | 0.2 |
| Color 7 | | |
| Carbonic acid, calcium salt (1:1) | CAS-No.: 471-34-1 | 40 |
| Magnesium stearate | CAS-No.: 557-04-0 | 15 |
| Palm oil, hydrogenated | CAS-No.: 68514-74-9 | 15 |
| Paraffin oils | CAS-No.: 8012-95-1 | 15 |
| Paraffin waxes and Hydrocarbon waxes | CAS-No.: 8002-74-2 | 5 |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] | CAS-No.: 13463-67-7 | 5 |
| 2-Naphthalenecarboxylic acid, 4-[(5-chloro-4-methyl-2-sulfophenyl)azo]-3-hydroxy-, strontium salt (1:1) | CAS-No.: 15782-05-5 | 4.5 |

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| Name | Product identifier | % |
|---|---------------------|-----|
| C.I. Pigment Orange 13 | CAS-No.: 3520-72-7 | 0.5 |
| Color 8 | | |
| Carbonic acid, calcium salt (1:1) | CAS-No.: 471-34-1 | 40 |
| Magnesium stearate | CAS-No.: 557-04-0 | 15 |
| Palm oil, hydrogenated | CAS-No.: 68514-74-9 | 15 |
| Paraffin oils | CAS-No.: 8012-95-1 | 15 |
| Diiron trioxide | CAS-No.: 1309-37-1 | 10 |
| Paraffin waxes and Hydrocarbon waxes | CAS-No.: 8002-74-2 | 5 |
| Color 9 | | |
| Carbonic acid, calcium salt (1:1) | CAS-No.: 471-34-1 | 40 |
| Magnesium stearate | CAS-No.: 557-04-0 | 15 |
| Palm oil, hydrogenated | CAS-No.: 68514-74-9 | 15 |
| Paraffin oils | CAS-No.: 8012-95-1 | 15 |
| Paraffin waxes and Hydrocarbon waxes | CAS-No.: 8002-74-2 | 5 |
| Butanamide, 2-[(4-chloro-2-nitrophenyl)azo]-N-(2-chlorophenyl)-3-oxo- | CAS-No.: 6486-23-3 | 5 |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter \leq 10 μm] | CAS-No.: 13463-67-7 | 4 |
| C.I. Pigment Green 7 | CAS-No.: 1328-53-6 | 1 |
| Color 10 | | |
| Carbonic acid, calcium salt (1:1) | CAS-No.: 471-34-1 | 40 |
| Magnesium stearate | CAS-No.: 557-04-0 | 15 |
| Palm oil, hydrogenated | CAS-No.: 68514-74-9 | 15 |
| Paraffin oils | CAS-No.: 8012-95-1 | 15 |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter \leq 10 μm] | CAS-No.: 13463-67-7 | 9.8 |
| Paraffin waxes and Hydrocarbon waxes | CAS-No.: 8002-74-2 | 5 |
| Carbon black | CAS-No.: 1333-86-4 | 0.2 |
| Color 11 | | |
| Carbonic acid, calcium salt (1:1) | CAS-No.: 471-34-1 | 40 |
| Magnesium stearate | CAS-No.: 557-04-0 | 15 |
| Palm oil, hydrogenated | CAS-No.: 68514-74-9 | 15 |
| Paraffin oils | CAS-No.: 8012-95-1 | 15 |
| Paraffin waxes and Hydrocarbon waxes | CAS-No.: 8002-74-2 | 5 |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter \leq 10 μm] | CAS-No.: 13463-67-7 | 4 |

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| Name | Product identifier | % |
|--|---------------------|----|
| C.I. Pigment Green 7 | CAS-No.: 1328-53-6 | 4 |
| Butanamide, 2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenyl- | CAS-No.: 2512-29-0 | 2 |
| Color 12 | | |
| Carbonic acid, calcium salt (1:1) | CAS-No.: 471-34-1 | 40 |
| Magnesium stearate | CAS-No.: 557-04-0 | 15 |
| Palm oil, hydrogenated | CAS-No.: 68514-74-9 | 15 |
| Paraffin oils | CAS-No.: 8012-95-1 | 15 |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] | CAS-No.: 13463-67-7 | 10 |
| Paraffin waxes and Hydrocarbon waxes | CAS-No.: 8002-74-2 | 5 |

SECTION 4: First-aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | : If you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if breathing difficulty persists. |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water. Seek medical attention if ill effect or irritation develops. |
| First-aid measures after eye contact | : Rinse immediately with plenty of water. Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution. Seek medical attention if ill effect or irritation develops. |
| First-aid measures after ingestion | : Rinse mouth. Do NOT induce vomiting. Call a poison center or a doctor if you feel unwell. |

4.2. Most important symptoms and effects (acute and delayed)

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Specific hazards arising from the chemical

| | |
|--|--|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. Thermal decomposition can lead to the release of irritating gases and vapors. |
|--|--|

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5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Evacuate unnecessary personnel.

6.1.1. For non-emergency personnel

- Protective equipment : Wear personal protective equipment. Wear suitable protective clothing. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Collect spillage.
- Methods for cleaning up : Mechanically recover the product. On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13 : "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Provide good ventilation in process area to prevent formation of vapor.
- Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in the original container in a cool well ventilated place. Keep container closed when not in use. Store in a well-ventilated place. Keep cool.
- Suitable packaging material : Paper box

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Magnesium stearate (557-04-0) | |
|--|--|
| USA - ACGIH - Occupational Exposure Limits | |
| Local name | Magnesium stearates |
| ACGIH OEL TWA | 10 mg/m ³ (I - Inhalable particulate matter) 3 mg/m ³ (R - Respirable particulate matter) |
| Remark (ACGIH) | TLV® Basis: LRT irr. Notations: A4 (Not classifiable as a Human Carcinogen) |
| Regulatory reference | ACGIH 2024 |
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | |
| USA - ACGIH - Occupational Exposure Limits | |
| Local name | Paraffin wax fume |
| ACGIH OEL TWA | 2 mg/m ³ |
| Remark (ACGIH) | TLV® Basis: URT irr; nausea |
| Regulatory reference | ACGIH 2024 |
| USA - NIOSH - Occupational Exposure Limits | |
| NIOSH REL TWA | 2 mg/m ³ (fume) |
| Carbonic acid, calcium salt (1:1) (471-34-1) | |
| USA - NIOSH - Occupational Exposure Limits | |
| NIOSH REL TWA | 10 mg/m ³ (total dust) 5 mg/m ³ (respirable dust) |
| Paraffin oils (8012-95-1) | |
| USA - ACGIH - Occupational Exposure Limits | |
| ACGIH OEL TWA | 5 mg/m ³ (excluding metal working fluids, highly & severely refined-inhalable particulate matter) |
| ACGIH chemical category | Not Classifiable as a Human Carcinogen highly and severely refined, Suspected Human Carcinogen highly and severely refined |
| USA - OSHA - Occupational Exposure Limits | |
| Local name | Oil mist, mineral |
| OSHA PEL TWA | 5 mg/m ³ |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |
| USA - IDLH - Occupational Exposure Limits | |
| IDLH | 2500 mg/m ³ |
| USA - NIOSH - Occupational Exposure Limits | |
| NIOSH REL TWA | 5 mg/m ³ |
| NIOSH REL STEL | 10 mg/m ³ |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7) | |
| USA - ACGIH - Occupational Exposure Limits | |
| Local name | Titanium dioxide |

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| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7) | |
|--|--|
| ACGIH OEL TWA | 0.2 mg/m ³ (nanoscale respirable particulate matter) 2.5 mg/m ³ (finescale respirable particulate matter) |
| Remark (ACGIH) | TLV® Basis: LRT irr; pneumoconiosis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans) |
| ACGIH chemical category | Confirmed Animal Carcinogen with Unknown Relevance to Humans |
| Regulatory reference | ACGIH 2024 |
| USA - OSHA - Occupational Exposure Limits | |
| Local name | Titanium dioxide (Total dust) |
| OSHA PEL TWA | 15 mg/m ³ (total dust) |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |
| USA - IDLH - Occupational Exposure Limits | |
| IDLH | 5000 mg/m ³ |
| USA - NIOSH - Occupational Exposure Limits | |
| NIOSH REL TWA | 2.4 mg/m ³ (CIB 63-fine) 0.3 mg/m ³ (CIB 63-ultrafine, including engineered nanoscale) |
| Carbon black (1333-86-4) | |
| USA - ACGIH - Occupational Exposure Limits | |
| Local name | Carbon black |
| ACGIH OEL TWA | 3 mg/m ³ (I - Inhalable particulate matter) |
| Remark (ACGIH) | TLV® Basis: Bronchitis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans) |
| ACGIH chemical category | Confirmed Animal Carcinogen with Unknown Relevance to Humans |
| Regulatory reference | ACGIH 2024 |
| USA - OSHA - Occupational Exposure Limits | |
| Local name | Carbon black |
| OSHA PEL TWA | 3.5 mg/m ³ |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |
| USA - IDLH - Occupational Exposure Limits | |
| IDLH | 1750 mg/m ³ |
| USA - NIOSH - Occupational Exposure Limits | |
| NIOSH REL TWA | 3.5 mg/m ³ 0.1 mg/m ³ (Carbon black in presence of Polycyclic aromatic hydrocarbons) |
| Diiron trioxide (1309-37-1) | |
| USA - ACGIH - Occupational Exposure Limits | |
| Local name | Iron oxide (Fe ₂ O ₃) |
| ACGIH OEL TWA | 5 mg/m ³ (R - Respirable particulate matter) |
| Remark (ACGIH) | TLV® Basis: Pneumoconiosis. Notations: A4 (Not classifiable as a Human Carcinogen) |
| ACGIH chemical category | Not Classifiable as a Human Carcinogen |
| Regulatory reference | ACGIH 2024 |

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| Diiron trioxide (1309-37-1) | |
|---|--|
| USA - OSHA - Occupational Exposure Limits | |
| Local name | Iron oxide fume |
| OSHA PEL TWA | 10 mg/m ³ |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |
| USA - IDLH - Occupational Exposure Limits | |
| IDLH | 2500 mg/m ³ (dust and fume) |
| USA - NIOSH - Occupational Exposure Limits | |
| NIOSH REL TWA | 5 mg/m ³ (dust and fume) |

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

| |
|---|
| Hand protection: |
| Impermeable protective gloves. protective gloves |
| Eye protection: |
| Chemical goggles or safety glasses. Safety glasses |
| Skin and body protection: |
| Wear suitable protective clothing |
| Respiratory protection: |
| In case of insufficient ventilation, wear suitable respiratory equipment. Wear suitable respiratory equipment in case of insufficient ventilation |

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---------------------|
| Physical state | : Solid |
| Color | : No data available |
| Odor | : No data available |
| Odor threshold | : No data available |
| pH | : No data available |
| Melting point | : No data available |
| Freezing point | : Not applicable |
| Boiling point | : No data available |
| Flash point | : Not applicable |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability | : Non flammable. |
| Vapor pressure | : No data available |
| Relative vapor density at 20°C | : No data available |
| Relative density | : No data available |
| Solubility | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature | : Not applicable |

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| | |
|---------------------------|---------------------|
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : Not applicable |
| Viscosity, dynamic | : No data available |
| Explosion limits | : Not applicable |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------|---|
| Acute toxicity (oral) | : Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (dermal) | : Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (inhalation) | : Not classified (Based on available data, the classification criteria are not met) |

| Magnesium stearate (557-04-0) | |
|--|---|
| LD50 oral rat | > 10000 mg/kg |
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | |
| LD50 oral rat | > 5000 mg/kg (Source: CHEMVIEW) |
| LD50 dermal rat | > 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| Carbonic acid, calcium salt (1:1) (471-34-1) | |
| LD50 oral rat | 6450 mg/kg (Source: NLM_CIP) |
| LD50 dermal rat | > 2000 mg/kg (Source: ECHA_API) |
| LC50 Inhalation - Rat (Dust/Mist) | > 3000 mg/l |

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| Paraffin oils (8012-95-1) | |
|--|---|
| LD50 oral rat | > 24 g/kg (Source: NLM_CIP) |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7) | |
| LD50 oral rat | > 5000 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity) |
| LC50 Inhalation - Rat | 5.09 mg/l/4h |
| LC50 Inhalation - Rat (Dust/Mist) | > 6820 mg/l |
| Butanamide, 2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenyl- (2512-29-0) | |
| LD50 dermal rat | > 2000 mg/kg (Source: ECHA_API) |
| Carbon black (1333-86-4) | |
| LD50 oral rat | > 8000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 dermal rat | > 2000 mg/kg (Source: ECHA) |
| LD50 dermal rabbit | > 8000 mg/kg Source: ECHA |
| C.I. Pigment Blue 15 (147-14-8) | |
| LD50 oral rat | > 10000 mg/kg (Source: OECD_SIDS) |
| LD50 dermal rat | > 5000 mg/kg (Source: ECHA) |
| Diiron trioxide (1309-37-1) | |
| LD50 oral rat | > 10000 mg/kg (Source: IUCLID) |
| LC50 Inhalation - Rat (Dust/Mist) | 5.05 mg/l Source: ECHA |
| C.I. Pigment Orange 13 (3520-72-7) | |
| LD50 oral rat | > 5 g/kg (Source: ECHA) |
| LD50 dermal rat | > 2000 mg/kg (Source: ECHA) |
| C.I. Pigment Green 7 (1328-53-6) | |
| LD50 oral rat | > 5000 mg/kg (Source: OECD_SIDS) |
| LD50 dermal rat | > 5000 mg/kg Source: ECHA |
| Skin corrosion/irritation | : Not classified (Based on available data, the classification criteria are not met) |
| Serious eye damage/irritation | : Not classified (Based on available data, the classification criteria are not met) |
| Respiratory or skin sensitization | : Not classified (Based on available data, the classification criteria are not met) |
| Germ cell mutagenicity | : Not classified (Based on available data, the classification criteria are not met) |
| Carcinogenicity | : Not classified (Based on available data, the classification criteria are not met) |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7) | |
| IARC group | 2B - Possibly carcinogenic to humans |
| In OSHA Hazard Communication Carcinogen list | Yes |
| Carbon black (1333-86-4) | |
| IARC group | 2B - Possibly carcinogenic to humans |
| In OSHA Hazard Communication Carcinogen list | Yes |
| Diiron trioxide (1309-37-1) | |
| IARC group | 3 - Not classifiable |

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| | |
|------------------------|---|
| Reproductive toxicity | : Not classified (Based on available data, the classification criteria are not met) |
| STOT-single exposure | : Not classified (Based on available data, the classification criteria are not met) |
| STOT-repeated exposure | : Not classified (Based on available data, the classification criteria are not met) |
| Aspiration hazard | : Not classified (Based on available data, the classification criteria are not met) |
| Viscosity, kinematic | : Not applicable |
| Other information | : Likely routes of exposure: ingestion, inhalation, skin and eye. |

SECTION 12: Ecological information

12.1. Toxicity

| Carbonic acid, calcium salt (1:1) (471-34-1) | |
|--|--|
| LC50 - Fish [1] | > 100 mg/l |
| EC50 - Other aquatic organisms [1] | > 100 mg/l waterflea |
| Paraffin oils (8012-95-1) | |
| LC50 - Fish [1] | > 100 mg/l Source: The ECOTOXicology database |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7) | |
| LC50 - Fish [1] | 155 mg/l Test organisms (species): other:Japanese Medaka |
| EC50 - Other aquatic organisms [1] | > 100 mg/l Test organisms (species): |
| EC50 - Other aquatic organisms [2] | > 10000 mg/l |
| EC50 72h - Algae [1] | > 100 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| LOEC (chronic) | 5 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC (chronic) | ≥ 2.92 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| Carbon black (1333-86-4) | |
| LC50 - Fish [1] | > 1000 mg/l Source: NITE |
| EC50 - Crustacea [1] | > 1000 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | > 10000 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| ErC50 algae | > 10000 mg/l Source: ECHA |
| C.I. Pigment Blue 15 (147-14-8) | |
| LC50 - Fish [1] | > 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 - Crustacea [1] | > 500 mg/l Test organisms (species): Daphnia magna |
| EC50 - Other aquatic organisms [1] | > 500 mg/l Test organisms (species): other: |
| LC50 - Fish [2] | 355.6 mg/l Test organisms (species): other: |
| EC50 72h - Algae [1] | > 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| LOEC (chronic) | > 1 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC (chronic) | ≥ 1 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| Diiron trioxide (1309-37-1) | |
| LC50 - Fish [1] | ≥ 50000 mg/l Source: ECHA |

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| Diiron trioxide (1309-37-1) | |
|--|---|
| EC50 - Crustacea [1] | > 100 mg/l Test organisms (species): Daphnia magna |
| EC50 - Other aquatic organisms [1] | > 100 mg/l Test organisms (species): |
| EC50 72h - Algae [1] | > 20 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| C.I. Pigment Orange 13 (3520-72-7) | |
| LC50 - Fish [1] | > 500 mg/l Test organisms (species): Leuciscus idus melanotus |
| NOEC (chronic) | 1 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| 2-Naphthalenecarboxamide, 3-hydroxy-4-[(2-methyl-5-nitrophenyl)azo]-N-phenyl- (6448-95-9) | |
| LC50 - Fish [1] | > 100 mg/l (Exposure time: 96 h - Species: Oryzias latipes [semi-static] Source: ECHA) |
| C.I. Pigment Green 7 (1328-53-6) | |
| LC50 - Fish [1] | 752.4 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: IUCLID) |
| EC50 - Crustacea [1] | > 500 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | > 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| LOEC (chronic) | > 1 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC (chronic) | ≥ 1 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| 12.2. Persistence and degradability | |
| HEXAGONAL OIL PASTELS ST12 | |
| Persistence and degradability | No additional information available |
| C.I. Pigment Blue 15 (147-14-8) | |
| Persistence and degradability | Not rapidly degradable |
| Biodegradation | < 1 % 28d |
| 12.3. Bioaccumulative potential | |
| Magnesium stearate (557-04-0) | |
| Partition coefficient n-octanol/water (Log Pow) | 14.34 |
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | |
| Partition coefficient n-octanol/water (Log Pow) | > 6 |
| Carbonic acid, calcium salt (1:1) (471-34-1) | |
| BCF - Fish [1] | (no bioaccumulation) |
| Partition coefficient n-octanol/water (Log Pow) | -2.12 |
| Paraffin oils (8012-95-1) | |
| Partition coefficient n-octanol/water (Log Pow) | 6.1 Source: Quantitative Structure Activity Relation |
| Partition coefficient n-octanol/water (Log Kow) | > 4 |
| C.I. Pigment Blue 15 (147-14-8) | |
| BCF - Fish [1] | 0.3 – 11 |

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| C.I. Pigment Blue 15 (147-14-8) | |
|--|--|
| Partition coefficient n-octanol/water (Log Pow) | 6.6 (at 25 °C) |
| C.I. Pigment Orange 13 (3520-72-7) | |
| Partition coefficient n-octanol/water (Log Pow) | 9.55 Source: National Institute of Technology and Evaluation |
| 2-Naphthalenecarboxylic acid, 4-[(5-chloro-4-methyl-2-sulfophenyl)azo]-3-hydroxy-, strontium salt (1:1) (15782-05-5) | |
| Partition coefficient n-octanol/water (Log Pow) | -0.23 (at 23 °C) |
| C.I. Pigment Green 7 (1328-53-6) | |
| BCF - Fish [1] | 0.51 – 74 |
| Partition coefficient n-octanol/water (Log Pow) | (at 23 °C) |

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the ozone layer : Not classified
Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecological waste information : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

| DOT | TDG | IMDG | IATA |
|--|----------------|----------------|----------------|
| 14.1. UN number | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.2. Proper Shipping Name | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.3. Transport hazard class(es) | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.4. Packing group | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available | | | |

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14.6. Special precautions for user

DOT

Not regulated

TDG

Not regulated

IMDG

Not regulated

IATA

Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. US State regulations



WARNING:

This product can expose you to Titanium dioxide and Carbon black, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

according to US HazCom 2012

Revision date : 7/26/2024

Other information : None.

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.