



## Safety Data Sheet

According to Regulation (EU) No. 1907/2006 (REACH)  
COMMISSION REGULATION (EU) 2015/830

Version: 2.1/EN  
Revision date: 26/10/2018  
Last Reviewed 8/24/2020

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Product name: P-123 MELON  
REACH Reg. No.: Diiron Trioxide has been registered.

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Colouring agent  
For additional information on uses please refer to saman.ca  
No uses advised against.

Uses advised against:

#### 1.3 Details of the supplier of the SDS

Manufacturer: SamaN  
Address: 660 rue du Filtre Victoriaville Qc Canada  
E-mail: saman@saman.ca  
Telephone: 819-751-2350  
Fax: 819-751-6122

Importer:  
Address:  
E-mail:  
Telephone:

#### 1.4 Emergency telephone number

819-751-2350

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008[CLP]

This product is not classified as hazardous.

#### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008[CLP]

Hazard pictogram(s): No pictogram is used.

Signal word: No signal word is used.

Hazard statement(s): No hazard statement.

Precautionary statement(s): No precautionary statement.

#### 2.3 Other hazards

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No information available.

## SECTION 3: Composition/information on ingredients

### 3.1 Substance/Preparation information

**Description of the mixture:** Mica coated with: Diiron trioxide

#### Ingredients information:

| <i>Ingredient name</i> | <i>EC No.</i> | <i>CAS No.</i> | <i>Classification under CLP</i> | <i>% (w/w)</i> | <i>Registration No.</i> |
|------------------------|---------------|----------------|---------------------------------|----------------|-------------------------|
| Mica                   | -             | 12001-26-2     | Not classified.                 | 57-61          | Exempt from REACH       |
| Diiron trioxide        | 215-168-2     | 1309-37-1      | Not classified.                 | 39-43          | 01-2119457614-35-01**   |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes:

In all cases of doubt, or when symptoms persist, seek medical attention.

#### Following inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if you feel unwell.

#### Following skin contact:

Generally the product does not irritate the skin. Prolonged and/or repeated contacts may cause skin irritation. Clean with water and soap.

#### Following eye contact:

No irritating effect to eyes known. If unexpected contact, may cause slightly physical or mechanical damage. Not expected to require first aid measures.

#### Following ingestion:

If swallowed, rinse mouth with water (only if the person is conscious). Call for a doctor immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

### 4.3 Indication of the immediate medical attention and special treatment needed

No information available.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media:** Substance is non-combustible. Select fire and explosion prevention

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**Unsuitable extinguishing media:** measures according to the other used substances.  
No information available.

## 5.2 Special hazards arising from the substance or mixture

No information available.

## 5.3 Advice for fire-fighters

Wear self-contained breathing apparatus, suitable protective clothing and eye/face protection.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Refer to SECTION 8 for personal protective equipment. Ensure adequate ventilation.

### 6.2 Environmental precautions

Do not discharge into drains/surface waters/groundwater.

### 6.3 Methods and material for containment and cleaning up

Carefully sweep up, gather and remove. Avoid rising dust.

### 6.4 Reference to other SECTIONS

See SECTION 7 for information on safe handling.

See SECTION 8 for information on personal protection equipment.

See SECTION 13 for information on disposal.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Prevent formation of dust. Provide suction extractors if dust is formed. Extractors are required on all machines used for thermal processing or splinter removal processes. Ensure good ventilation/exhaustion at the workplace.

### 7.2 Conditions for safe storage, including any incompatibilities

Tightly closed. Dry. Storage temperature: no restrictions.

### 7.3 Specific end use(s)

Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

## SECTION 8 : Exposure controls/personal protection

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## 8.1 Control parameters

### Occupational exposure limit values:

| CAS # 12001-26-2<br>Country of origin | Occupational exposure limit values |  |            |  |
|---------------------------------------|------------------------------------|--|------------|--|
|                                       | Long term/ Eight hours             |  | Short term |  |
| Austria                               | -                                  | 10 mg/m <sup>3</sup> inhalable aerosol           | -          | -  |
| Belgium                               | -                                  | 3 mg/m <sup>3</sup>                              | -          | -  |
| Denmark                               | -                                  | 0.3 mg/m <sup>3</sup> fibers per cm <sup>3</sup> | -          | 0.3 mg/m <sup>3</sup> fibers per cm <sup>3</sup> |
| Switzerland                           | -                                  | 3 mg/m <sup>3</sup> respirable aerosol           | -          | -  |
| CAS # 1309-37-1<br>Country of origin  | Occupational exposure limit values |  |            |  |
|                                       | Long term/ Eight hours             |  | Short term |  |
| Austria                               | -                                  | 5 mg/m <sup>3</sup> respirable aerosol           | -          | 10 mg/m <sup>3</sup> respirable aerosol          |
| Belgium                               | 2 ppm                              | 5 mg/m <sup>3</sup>                              | -          | -  |
| Denmark                               | -                                  | 3.5 mg/m <sup>3</sup>                            | -          | 7 mg/m <sup>3</sup>                              |
| Hungary                               | -                                  | 6 mg/m <sup>3</sup> respirable aerosol           | -          | -  |
| Poland                                | -                                  | 5 mg/m <sup>3</sup>                              | -          | 10 mg/m <sup>3</sup>                             |
| Spain                                 | -                                  | 5 mg/m <sup>3</sup>                              | -          | -  |
| Sweden                                | -                                  | 5 mg/m <sup>3</sup>                              | -          | -  |
| Switzerland                           | -                                  | 3 mg/m <sup>3</sup> respirable aerosol           | -          | -  |
| United Kingdom                        | -                                  | 5 mg/m <sup>3</sup>                              | -          | 10 mg/m <sup>3</sup>                             |

### DNEL (Derived No Effect Level) for workers and the general population:

Not available.

### PNEC (Predicted No Effect Concentration) values:

Not available.

## 8.2 Exposure controls

### Appropriate engineering controls:

Provide local exhaust or process enclosure ventilation system.

### Personal protective equipment:

Eye and face protection: Wear protective eye/face protection.

Skin protection: Wear protective gloves/clothing to prevent contact.

Respiratory protection: In case of inadequate ventilation wear respiratory protection.

### Environmental exposure controls:

Do not empty into drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance: Red brown, free flowing powder

Odor: odorless

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|   |                                |
|---|--------------------------------|
| Particle size:                                | 10-60µm (80% under this range) |
| pH value:                                     | 4-9(10% aqueous suspension)    |
| Loss on drying:                               | ≤0.5% (105°C)                  |
| Oil absorption:                               | 50-70g/100g                    |
| Density:                                      | 2.8-3.4g/cm <sup>3</sup>       |
| Bulk density:                                 | 15-40g/100ml                   |
| Solubility in water:                          | almost insoluble               |
| Melting point:                                | Not available.                 |
| Boiling point:                                | Not available.                 |
| Flash point:                                  | Not available.                 |
| Evaporation rate:                             | Not available.                 |
| Flammability (solid, gas):                    | Not available.                 |
| Upper/lower flammability or explosive limits: | Not available.                 |
| Vapour pressure:                              | Not available.                 |
| Partition coefficient: n-octanol/water:       | Not available.                 |
| Auto-ignition temperature:                    | Product is not self-igniting.  |
| Decomposition temperature:                    | Not available.                 |
| Viscosity:                                    | Not available.                 |
| Explosive properties:                         | Product is not explosive.      |
| Oxidising properties:                         | Not available.                 |

## 9.2 Other information

No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under recommended storage and handling conditions (see SECTION 7, handling and storage).

### 10.2 Chemical stability

Stable under normal conditions of use.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

No further relevant information available.

### 10.5 Incompatible materials

Strong oxidizing materials, strong acid and strong alkali.

### 10.6 Hazardous decomposition products

No dangerous decomposition products known.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

|   |                               |
|---|-------------------------------|
| <b>Acute toxicity:</b>                    | No information available.     |
| <b>Skin corrosion/irritation:</b>         | No irritation effect.         |
| <b>Serious eye damage/irritation:</b>     | No irritation effect.         |
| <b>Respiratory or skin sensitization:</b> | No sensitizing effects known. |
| <b>Germ cell mutagenicity:</b>            | No information available.     |
| <b>Carcinogenicity:</b>                   | No information available.     |
| <b>Reproductive toxicity:</b>             | No information available.     |
| <b>STOT-single exposure:</b>              | No information available.     |
| <b>STOT-repeated exposure:</b>            | No information available.     |
| <b>Aspiration hazard:</b>                 | No information available.     |

## SECTION 12: Ecological information

### 12.1 Toxicity

No information available.

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

Does not accumulate in organisms.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

### 12.6 Other adverse effects

No information available.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Disposal must be made according to local and national regulations. Product is classified as non-hazardous, however, non-hazardous products may become hazardous waste upon the amount of disposal. Consult before disposing of any chemicals.

## SECTION 14: Transport information

### 14.1 UN Number

Not regulated.

### 14.2 UN proper shipping name

Not regulated.

### 14.3 Transport hazard class(es)

Not regulated.

### 14.4 Packing group

Not regulated.

### 14.5. Environmental hazards

Non-marine pollutant

### 14.6. Special precautions for user

No information available

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulation:

Authorisations: No information available.

Restrictions on use: No information available.

EINECS: CAS# 12001-26-2 is not listed in. CAS#1309-37-1 is listed in.

#### Other chemical regulation:

| CAS No. | USA<br>TSCA | Canada<br>DSL | Australia<br>AICS | Korea<br>ECL | Japan<br>ENCS | China<br>IECSC |
|---------|-------------|---------------|-------------------|--------------|---------------|----------------|
|---------|-------------|---------------|-------------------|--------------|---------------|----------------|

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|            |        |        |        |        |            |        |
|------------|--------|--------|--------|--------|------------|--------|
| 12001-26-2 | Listed | Listed | Listed | Listed | Not listed | Listed |
| 1309-37-1  | Listed | Listed | Listed | Listed | Listed     | Listed |

## 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this product.

## SECTION 16: Other information

***This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006***

Revision date: 26/10/2018

Last Reviewed 8/24/2020

Revision note: not applicable

### ***Key or legend to abbreviations and acronyms used in the safety data sheet***

- CLP:** EU regulation (EC) No 1272/2008 on classification, labelling and packaging of chemical substances and mixtures.
- CAS:** Chemical Abstracts Service (division of the American Chemical Society).
- EINECS:** European Inventory of Existing Commercial Chemical Substances.
- TSCA:** Toxic Substances Control Act, The American chemical inventory.
- DSL:** Domestic Substances List, The Canadian chemical inventory.
- AICS:** The Australian Inventory of Chemical Substances.
- ECL:** Existing Chemicals List, the Korean chemical inventory.
- ENCS:** Japanese Existing and New Chemical Substances.
- IECSC:** Inventory of existing chemical substances in China.

### ***Full text of H-Statements referred to under section 3***

Not classified.

### ***Declare to reader***

The information in this SDS is provided all the relevant data fully and truly. However, the information is provided without any warranty on their absolute extensiveness and accuracy. This SDS was prepared to provide safety preventive measures for the users who have got professional training. The personal user who obtained this SDS should make independent judgment for the applicability of this SDS under special conditions. In these special cases, we do not assume responsibility for the damage. According to REACH Article 31(5), the SDS shall be supplied in an official language of the Member State(s) where the substance or mixture is placed on the market, unless the recipient Member State(s) concerned provide otherwise. It should also be noted that this SDS is applicable to the countries with English as an official language.



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*safety precautions. It does not represent a guarantee of the property of the product.*