



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

Safety Data Sheet

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

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

1.1 Product identifier

Product name: P-122 INDIGO
REACH Reg. No.:

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: Titanium dioxide and Pigment blue 15

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.	48-54	Exempt from REACH
Titanium dioxide	236-675-5	13463-67-7	Not classified.	44-47	01-2119489379-17-01**
Pigment blue 15	205-685-1	147-14-8	Not classified.	2-5	

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes:

Remove contaminated clothing and shoes. If symptoms persist, call a physician.

Following inhalation:

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

Following skin contact:

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

Following eye contact:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Following ingestion:

Rinse mouth. Get medical attention. Never give anything by mouth to an unconscious person.

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

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

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Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: No information available.

5.2 Special hazards arising from the substance or mixture

Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.

5.3 Advice for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas

Ensure adequate ventilation, especially in confined areas

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area)

Avoid contact with eyes

Avoid creating dust

Do not breathe dust/fume/gas/mist/vapors/spray

Use personal protection recommended in Section 8

Wash thoroughly after handling

6.2 Environmental precautions

Local authorities should be advised if significant spillages cannot be contained

Prevent entry into waterways, sewers, basements or confined areas

6.3 Methods and material for containment and cleaning up

Pick up and transfer to properly labeled containers

6.4 Reference to other SECTIONS

See Section 7 for more information

See section 8 for more information

See section 13 for more information

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice

Ensure adequate ventilation, especially in confined areas

Avoid contact with eyes

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Wash contaminated clothing before reuse
Keep away from heat, sparks, flame and other sources of ignition
Avoid generation of dust
Do not breathe dust/fume/gas/mist/vapors/spray
Do not eat, drink or smoke when using this product
Use personal protection recommended in Section 8
Wash thoroughly after handling

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place
Keep away from heat, sparks, flame and other sources of ignition
Keep locked up and out of reach of children
Keep away from food, drink and animal feeding stuffs
Store in accordance with local regulations

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

Occupational exposure limit values:

Chemical Name	Australia	Austria	Belgium	Denmark	European Union
Mica (CAS #: 12001-26-2)	2.5 mg/m ³	TWA: 10 mg/m ³	-	-	-
Titanium dioxide (CAS #: 13463-67-7)	10 mg/m ³	STEL 10 mg/m ³ TWA: 5 mg/m ³	-	TWA: 6 mg/m ³	-
Pigment blue 15 (CAS #: 147-14-8)	-	STEL 4 mg/m ³ STEL 0.4 mg/m ³ TWA: 1 mg/m ³ TWA: 0.1 mg/m ³	-	-	-
Chemical Name	Latvia	France	Finland	Germany	Italy
	-	-	-	-	-
Chemical Name	Poland	Portugal	Spain	Switzerland	Netherlands
	-	-	-	-	-
Chemical Name	Norway	United Kingdom	ACGIH TLV	OSHA PEL	NIOSH IDLH
Mica (CAS #: 12001-26-2)	-	-	TWA: 3 mg/m ³ respirable fraction	-	-
Titanium dioxide (CAS #: 13463-67-7)	-	-	TWA: 10 mg/m ³	-	-
Pigment blue 15 (CAS #: 147-14-8)	-	-	TWA: 1 mg/m ³ Cu dust and mist	-	-

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

Not available.

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PNEC (Predicted No Effect Concentration) values:

Not available.

8.2 Exposure controls

Appropriate engineering controls:

Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition.

Personal protective equipment:

Eye/face protection	If there is the risk of dust getting into eyes, suitable goggles should be worn.
Hand Protection	Wear protective gloves
Skin and body protection	Suitable protective clothing
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls:

Do not allow into any sewer, on the ground or into any body of water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Dark blue, free flowing powder
Odor:	Odorless
Particle size:	10-60µm (80% under this range)
pH value:	6-10 (10% aqueous suspension)
Loss on drying:	≤0.5% (105 °C)
Oil absorption:	60-90g/100g
Density:	2.8-3.4g/cm ³ (20 °C)
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.

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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

Heat, flames and sparks
dust formation
Incompatible materials

10.5 Incompatible materials

Strong oxidizing materials, strong acid, strong alkali and strong oxidizing agents.

10.6 Hazardous decomposition products

Carbon oxides (CO_x)
Nitrogen oxides (NO_x)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium dioxide (CAS #: 13463-67-7)	> 5000 mg/kg (Rat)	-	>6.82mg/L air/4h(Rat)

Skin corrosion/irritation: No irritation effect.

Serious eye damage/irritation: No irritation effect.

Respiratory or skin sensitization: May cause sensitization by skin contact.

Germ cell mutagenicity: No information available.

Carcinogenicity:

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Chemical Name	European Union	IARC
Titanium dioxide (CAS #: 13463-67-7)	-	2B

Reproductive toxicity: No information available.

STOT-single exposure: No information available.

STOT-repeated exposure: No information available.

Aspiration hazard: No information available.

SECTION 12: Ecological information

12.1 Toxicity

Chemical Name	Algae/aquatic plants EC50	Fish LC50	Crustacea EC50
Titanium dioxide (CAS #: 13463-67-7)	NOEC: 1 mg/L/72h Pseudokirchnerella subcapitata	1000mg/L/48h(Leuciscus idus)	1000mg/L/48h(Leuciscus idus)

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

Chemical Name	Bioconcentration factor (BCF)
Pigment blue 15 (CAS #: 147-14-8)	11

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.

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

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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#13463-67-7&147-14-8 are listed in.

Other chemical regulation:

CAS No.	USA	Canada	Australia	Korea	Japan	China
	TSCA	DSL	AICS	ECL	ENCS	IECSC
12001-26-2	Listed	Listed	Listed	Listed	Not listed	Listed
13463-67-7	Listed	Listed	Listed	Listed	Listed	Listed
147-14-8	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

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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.

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the property of the product.