SLS Select Education - Safety Data Sheet CHE5658SE

(in accordance with regulation (EU) 2015/830 and regulation (EC) 1272/2008)

Revision: 2.0
(Replaces revision 1.1 of 16 April 2021)

Revision date: 19 April 2021
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Section 1. Identification

1.1 Product Identifier CHE5658SE

Product Name INDIGO CARMINE (C.I. 73015) 5g.

CAS Number 860-22-0

REACH Registration No A registration number is not available as the substance or its uses are exempt, the annual tonnage does not require a registration or the registration is envisaged for a later date.

Molecular Formula $C_{16}H_8N_2Na_2O_8S_2$ = 466.58

1.2 Relevent identified uses of the substance or mixure & uses advised against

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

1.3 Supplier SLS Select Education

Unit 6, Foresters Avenue
Fairham Business Park
Fairham
Nottingham
NG11 2AF
UNITED KINGDOM

Phone 0115 9821111
Fax 0115 9825275
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(24hr) 112
(Have this document to hand)

Section 2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to regulation (EC) 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720 & UK SI 2020/1567

Skin sensitization, category 1 H317: May cause an allergic skin reaction.

2.2 Label elements

Labelling according to regulation (EC) 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720 & UK SI 2020/1567

Signal word Warning

Hazard Pictograms

Hazard Statements May cause an allergic skin reaction.

Precautionary Statements	Wash thoroughly after handling. Do not eat, drink or smoke when using this product. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

Section 3. Composition

3.1 Substances

Component	CAS No.	EC No.	REACH No.	Conc w/w	CLP Classification (1272/2008/CE)
Indigo Carmine	860-22-0	212-728-8		<100%	Skin Sens. 1

Section 4. First Aid

4.1 Description of first aid measures

Eyes	Flush with water for at least 15 minutes and contact physician.
Skin	Remove all contaminated clothes & footwear immediately unless stuck to skin. Drench affected skin with running water for 10 minutes or longer if substance is still on skin.
Inhalation	Remove from exposure.
Ingestion	Do not induce vomiting. If conscious, give 1 pint of water to drink immediately.
Personal protection for first aiders	Wear protective gloves / eye protection.

4.2 Most important symptoms and effects, both acute & delayed.

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed.

No further relevant information available.

Section 5. Fire Fighting

5.1 Extinguishing media

Extinguishing Media	Water spray. Carbon dioxide or dry chemical powder. Alcohol or polymer foam.
Unsuitable Media	Nothing specified.

5.2 Special hazards arising from the substance or mixture

Hazards	Presents no specific fire danger.

5.3 Advice for firefighters

Advice for firefighters	Fire-fighters should wear protective clothing and breathing apparatus.

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Protection	Avoid breathing dust-wear respiratory protective equipment.

6.2 Environmental precautions

Enviromental	Do not discharge into drains or rivers.

6.3 Methods and material for containment and cleaning up

Major Spillage	Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal.
Minor Spillage	Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal.

6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

Section 7. Storage & Handling

7.1 Precautions for safe handling

Ensure there is sufficient ventilation of the area.

Avoid the formation or spread of dust in the air.

7.2 Conditions for safe storage, including any incompatibilities

Well ventilated, cool, dry storage .

7.3 Specific end use(s)

See section 1.2.

Section 8. Workplace Exposure & Personal Protection

8.1 Control parameters

Component	CAS No	Concentration	Workplace Exposure Limits			
			Long Term (8hr TWA)		Short Term 15min period)	
Indigo Carmine	860-22-0	<100%	-	-	-	-

Exposure data source(s) No occupational exposure data currently available.

8.2 Exposure controls

Respiratory Protection	Wear a respiratory protective device with particle filter. Self-contained breathing apparatus must be available in case of emergency.
Hand Protection	Wear PVC gloves.
Eye Protection	Use tightly fitting chemical splash proof glasses or goggles.
Skin Protection	Wear protective clothing with elasticated cuffs & closed neck. Wear boots made of PVC.
Special Hazards	No special precautions required.

Section 9. Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	Fine blue powder.
Odour	Odourless.
pH	3.87 @30°C (1% solution) range 4-7
Boiling Point	Not available
Melting Point	340 °C (Decomposition)
Flash Point	Not applicable
Upper Flammable Limit	Not applicable
Lower Flammable Limit	Not applicable
Auto Ignition	Not applicable
Explosive Properties	No.
Oxidising Properties	No.
Vapour Pressure	Not applicable
Relative Density	0.666
Water Solubility	1000 mg/L @26.6°C

9.2 Other information

No data available.

Section 10. Stability & Reactivity

10.1	Reactivity	No data available.
10.2	Chemical Stability	Stable under normal conditions
10.3	Possibility of hazardous reactions	No data available.
10.4	Conditions to Avoid	No specific conditions.
10.5	Incompatible materials	Strong oxidising agents. Reducing agents.

10.6	Hazardous Decomposition Products	In combustion emits toxic fumes of carbon dioxide & carbon monoxide, sulphur oxides, & nitrogen oxides.

Section 11. Toxicological Information

11.1 Information on toxicological effects

Eyes	Presents no significant health hazard to the eyes.
Skin	May cause an allergic skin reaction.
LD50 Skin	Not available
Ingestion	Presents no significant hazard by ingestion.
LD50 Oral	2000mg/kg Rat
Inhalation	Inhalation of dust may cause irritation to the throat & a feeling of tightness in the chest.
LD50 Inhalation	Not available
TCLo	Not available
Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	None identified.

Section 12. Ecological

12.1	Toxicity	Soluble in water. Biodegradable. No bioaccumulation potential. Negligible ecotoxicity.
	LC50 Algal	Not available
	LC50 Crustacea	Not available
	LC50 Fish	Not available
12.2	Persistence and degradability	No data available.
12.3	Bioaccumulative potential	No data available.
12.4	Mobility in soil	No data available.
12.5	Results of PBT & vPvB assessment	Assessment not required.
12.6	Other adverse effects	None known at present.

Section 13. Disposal Considerations

13.1 Waste treatment methods

Disposal Methods	Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.
Contaminated Packaging	Burn in a chemical incinerator equipped with afterburners and scrubbers.

Section 14. Transport Information

14.1	**UN Number**	Non-restricted
14.2	**Proper Shipping Name**	Non-restricted
14.3	**Transport classes**	
	UN classification	None
	Subsidiary hazard(s)	None
	Transport category	None
	ADR Hazard ID	Non-restricted
	Tunnel Restriction Code	Non-restricted
14.4	**Packing Group**	None
14.5	**Environment hazards**	See section 12.
14.6	**Special precautions for user**	No special precautions required.
14.7	**Transport in bulk**	Not transported in bulk.

Section 15. Regulatory Information

15.1 Safety, health and environment regulations specific for subtance/mixture.

Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE) as amended by GB-CLP Regulation, UK SI 2019/720 & UK SI 2020/1567

Classification	Skin sensitization, category 1
Signal word	Warning
Hazard Pictograms	
Hazard Statements	H317 May cause an allergic skin reaction.
Precautionary Statements	P264, P270, P301+P312, P330 Wash thoroughly after handling. Do not eat, drink or smoke when using this product. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

15.2 Chemical safety assessment

Assessment not required.

Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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