

Material Safety Data Sheet

Revision Date 20-May-2014
Version 1

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name Invisible Blue Pigment – Sold as GlitterBug Powder

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

Recommended Use Pigment

1.3 Details of the supplier of the safety data sheet

Supplier

Brevis Corporation
225 West 2855 South
Salt Lake City, Utah 84115
+1 801.466.6677)

European Importer (GlitterBug Powder)

Food Safety Direct Limited.
Dale Street.
Lancaster.
LA1 3AW
+44 1524 846445

Manufacturer

DayGlo Color Corp.
4515 St. Clair Avenue
Cleveland, OH 44103
(216) 391-7070
+1 216-391-7070 (outside the US)

For further information, please contact: ehs@dayglo.com

1.4 Emergency telephone number

Emergency telephone number	Chemtrec: 1-800-424-9300 for US +1 703-527-3887 outside US
Europe	112
Austria	+43 1 406 43 43
Belgium	Poison center (BE): +32 70 245 245
Denmark	Poison Control Hotline (DK): +45 82 12 12 12
Finland	Poison Information Centre (FI): +358 9 471 977
France	ORFILA (FR): + 01 45 42 59 59
Germany	Poison Center Berlin (DE): +49 030 30686 790 Poison Center Nord: +49 551 19240 (24h available English / German)
Ireland	National Poisons Information Centre (IE): +353 1 8379964
Iceland	+354 543 2222
Italy	Poison Center, Milan (IT): +39 02 6610 1029
Luxembourg	112
Netherlands	National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available to health professionals)
Norway	Poisons Information (NO): + 47 22 591300
Portugal	Poison Information Center (PT): +351 21 330 3284
Spain	Poison Information Service (ES): +34 91 562 04 20
Sweden	Poisons Information Center (SV): +46 8 33 12 31
Switzerland	Poison Center: Tel 145; +41 44 251 51 51
United Kingdom	NHS Direct (UK): +44 (0) 845 46 47; 111

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to EU Directives 67/548/EEC or 1999/45/EC

This mixture is not classified as dangerous according to Directive 1999/45/EC

For the full text of the R-phrases mentioned in this Section, see Section 16

2.2 Label elements

Indication of danger

Not dangerous

R-phrases(s)

No information available

S-phrases(s)

No information available

2.3 Other hazards

No information available

3. Composition/information on ingredients

3.1 Substances

This product is a mixture. Health hazard information is based on its components.

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Chemical Name	EC-No	CAS-No	Weight %	Classification (67/548/EEC)	Classification (1272/2008/EC)	REACH Registration Number
Formaldehyde	200-001-8	50-00-0	< 0.1	T; R23/24/25 C; R34 Carc.Cat.3; R40 R43	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) Skin Corr. 1B (H314) Skin Sens. 1 (H317) Carc. 2 (H351)	01-2119488953-20-XXXX

For the full text of the R-phrases mentioned in this Section, see Section 16

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First aid measures

4.1 Description of first-aid measures

General advice	No hazards which require special first aid measures.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin contact	Immediate medical attention is not required. Wash off with soap and water.
Ingestion	Do NOT induce vomiting. Drink plenty of water. Consult a physician.
Inhalation	Immediate medical attention is not required. Move to fresh air.

4.2 Most important symptoms and effects, both acute and delayed

Main Symptoms No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

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

Extinguishing media which shall not be used for safety reasons

No information available.

5.2 Special hazards arising from the substance or mixture

Hazardous Combustion Products

None.

5.3 Advice for firefighters

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus. Full protective flameproof clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment.

6.2 Environmental precautions

Dust deposits should not be allowed to accumulate on surfaces as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., cleaning dusty surfaces with compressed air). Nonsparking tools should be used. Prevent product from entering drains.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

6.4 Reference to other sections

See Section 12 for additional information.

7. Handling and storage**7.1 Precautions for safe handling**

Avoid dust formation. Take precautionary measures against static discharges. Fine dust dispersed in air may ignite. Wear personal protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Keep tightly closed in a dry and cool place.

7.3 Specific end uses**Specific use(s)**

No information available

Exposure scenario

No information available.

8. Exposure controls/personal protection**8.1 Control parameters****Exposure Limit Values**

Chemical Name	European Union	Austria	Belgium	Denmark	Finland	France
Formaldehyde 50-00-0		Skin STEL 0.5 ppm STEL 0.6 mg/m ³ TWA: 0.5 ppm TWA: 0.6 mg/m ³ Ceiling 0.5 ppm Ceiling 0.6 mg/m ³	Maximum Limit Value: 0.3 ppm Maximum Limit Value: 0.38 mg/m ³	Ceiling: 0.3 ppm Ceiling: 0.4 mg/m ³	TWA: 0.3 ppm TWA: 0.37 mg/m ³ STEL: 1 ppm STEL: 1.2 mg/m ³ Ceiling: 1 ppm Ceiling: 1.2 mg/m ³	TWA: 0.5 ppm STEL: 1 ppm
Chemical Name	Germany	Iceland	Ireland	Italy	Luxembourg	The Netherlands
Formaldehyde 50-00-0	TWA: 0.3 ppm TWA: 0.37 mg/m ³	TWA: 0.3 ppm TWA: 0.4 mg/m ³ Ceiling: 0.6 ppm Ceiling: 0.8 mg/m ³ STEL: 1 ppm STEL: 1.2 mg/m ³	TWA: 2 ppm TWA: 2.5 mg/m ³ STEL: 2 ppm STEL: 2.5 mg/m ³			STEL: 0.5 mg/m ³ TWA: 0.15 mg/m ³
Chemical Name	Norway	Portugal	Spain	Sweden	Switzerland	The United Kingdom
Formaldehyde 50-00-0	TWA: 0.5 ppm TWA: 0.6 mg/m ³ Ceiling: 1 ppm Ceiling: 1.2 mg/m ³ STEL: 1.5 ppm STEL: 1.8 mg/m ³	Ceiling: 0.3 ppm	STEL: 0.3 ppm STEL: 0.37 mg/m ³	LLV: 0.3 ppm LLV: 0.37 mg/m ³ S* CLV: 0.6 ppm CLV: 0.74 mg/m ³	STEL: 0.6 ppm STEL: 0.74 mg/m ³ TWA: 0.3 ppm TWA: 0.37 mg/m ³	STEL: 2 ppm STEL: 2.5 mg/m ³ TWA: 2 ppm TWA: 2.5 mg/m ³

TWA: Time weighted average
STEL: Short term exposure limit
LLV: Level Limit Value
STV: Short Term Value

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2 Exposure controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/Face Protection	Tightly fitting safety goggles.
Hand Protection	Protective gloves.
Skin and body protection	Long sleeved clothing.
Respiratory protection	No special protective equipment required.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls No information available.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Solid
Appearance	Powder
Color	Off-white
Odor	Pungent

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH	Not Applicable	
Boiling point/boiling range	Not Applicable	
Flash Point	Not Applicable	
Explosion Limits		
upper	no data available	
lower	no data available	
Vapor pressure	no data available	
Vapor density	Not Applicable	
Relative density	1.37	
Water solubility	Insoluble in water	
Partition coefficient: n-octanol/water	Not Applicable	
Viscosity, kinematic	Not Applicable	
Explosive properties	Fine dust dispersed in air may ignite	
Evaporation rate	Not Applicable	

9.2 Other information

Volatile organic compounds (VOC) content	None
Bulk Density	Not Applicable
Melting/freezing point	110 °C / 230 °F

10. Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions**Hazardous Polymerization**

Hazardous polymerization does not occur.

10.4 Conditions to Avoid

Dust formation. Take precautionary measures against static discharges.

10.5 Incompatible Materials

No materials to be especially mentioned.

10.6 Hazardous Decomposition Products

None under normal use conditions

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product Information	Product does not present an acute toxicity hazard based on known or supplied information at the Product level.
Inhalation	May cause irritation of respiratory tract.
Eye contact	May cause slight irritation.
Skin contact	None known.
Ingestion	No known hazard by swallowing.

Chronic toxicity

Skin corrosion/irritation	No known effect.
Serious eye damage/eye irritation	No information available.
Respiratory or skin sensitization	No information available.
Germ Cell Mutagenicity	No information available.
Reproductive toxicity	No information available.
Specific target organ systemic toxicity (single exposure)	No information available.
Specific target organ systemic toxicity (repeated exposure)	No information available.
Aspiration hazard	No information available

Carcinogenicity This product contains <0.1% free formaldehyde and may be capable of outgassing formaldehyde at levels in excess of OSHA's Action Level under some conditions of use. Formaldehyde is a known cancer hazard. Long term exposure may result in dermatitis or respiratory sensitization for sensitive individuals.

Chemical Name	European Union
Formaldehyde	Carc. 2

12. Ecological information

12.1 Toxicity

Ecotoxicity effects

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates	Toxicity to microorganisms	Toxicity to other organisms
Formaldehyde		LC50: 96 h Pimephales promelas 22.6 - 25.7 mg/L flow-through LC50: 96 h Lepomis macrochirus 1510 µg/L static LC50: 96 h Brachydanio rerio 41 mg/L static LC50: 96 h Oncorhynchus mykiss 0.032 - 0.226 mL/L flow-through LC50: 96 h Oncorhynchus mykiss 100 - 136 mg/L static LC50: 96 h Pimephales promelas 23.2 - 29.7 mg/L static	LC50: 48 h Daphnia magna 2 mg/L EC50: 48 h Daphnia magna 11.3 - 18 mg/L Static		

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

Chemical Name	log Pow
Formaldehyde	0.35

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available

12.6 Other adverse effects

No information available.

13. Disposal considerations

13.1 Waste treatment methods

Waste from residues / unused products

Dispose of in accordance with local regulations.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

ADR Not regulated

IMDG Not regulated

IATA Not regulated

15. Regulatory information

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

National regulatory information

Germany WGK Classification Not determined

Denmark - MAL Factor Not determined

International Inventories

TSCA	Complies
EINECS/ELINCS	Complies
DSL	Complies
PICCS	Complies
ENCS	Complies
IECSC	Complies
AICS	Complies
KECL	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

"-" - Unknown. Not listed.

15.2 Chemical Safety Assessment

No information available

16. Other information

Full text of R-phrases referred to under sections 2 and 3

R34 - Causes burns

R40 - Limited evidence of a carcinogenic effect

R43 - May cause sensitization by skin contact

R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed

Full text of H-Statements referred to under section 3

H301 - Toxic if swallowed

H311 - Toxic in contact with skin

H314 - Causes severe skin burns and eye damage

H317 - May cause an allergic skin reaction

H331 - Toxic if inhaled

H351 - Suspected of causing cancer if inhaled

Prepared By Food Safety Direct Limited based on
DayGlo Color Corp.
Regulatory Affairs/Product Safety Data sheet:
20-May-2014 - A-594-5 - 1 - EU DPD1 - English -

Revision Date 22-May-2014

Revision Note Not Applicable.

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

Disclaimer

The information provided in this Material 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.

**End of Material Safety
Data Sheet**