



ATTESTATION REPORT

Date: 2020-07-09

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No.: T01912

Applicant : BLG TECH LIMITED
FLAT/RM 1806 18/F SINGGA COMMERCIAL CENTRE
144-151 CONNAUGHT ROAD WEST SAI YING PUN HK

Description of Sample(s) : The product is claimed to be
Product name in English: BLG Suspension
Brand name: BLG TECH
Model no.: BLG6

Date Sample(s) Received : N/A

Date Testing : N/A

Investigation Requested : Safety Data Sheet: according to Regulation (EC) No 1907/2006 Annex II,
amended by Commission Regulation (EU) 2015/830, according to
Regulation (EC) No 1272/2008.

Conclusion : Regulation (EC) No 1272/2008.

Remark(s) : Referring to following pages.

Report content referring to SCTR No.:EFSN20050589C-C, dated on
2020-07-09.

Lee Mei Yu, Amy
Certification Officer
For and on behalf of
The Hong Kong Certification Centre Ltd



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Safety Data Sheet

According to Regulation (EC) No 1907/2006, Annex II,
Amended by COMMISSION REGULATION (EU) 2015/830,
According to REGULATION (EC) No 1272/2008

BLG6

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

1.1 Product Identifier:

Identification on the label/Trade name: : BLG6
Additional identification : Not available
Identification of the product : See section 3
Index Number : Not available
REACH registration No. : Not available

1.2 Relevant identified uses of the substance and uses advised against:

1.2.1 Identified uses : Paint Companies, Pharmaceuticals, Textiles, Construction Industry.
1.2.2 Uses advised against : Not available

1.3 Details of the supplier of the safety data sheet:

Supplier (Manufacturer) : BLG Tech Limited
Address : Room 1806, 18/f, Singa Commercial Centre, 144-151 Connaught Road
West, Sai Ying Pun
Contact person (E-mail) : kento@blglab.com/kento@coloriance.com
Telephone : 6650-8122

1.4 Emergency Telephone Number:

6650-8122. Only available during office hours (08:30–17:30 Beijing Time Zone)

Available outside office hours? YES NO



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Section 2 Hazards Identification

2.1 Classification of the substance/mixture:

2.1.1 Classification: This mixture is classified as following according to REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard statement
Skin Irrit. 2	H315
Eye Irrit. 2	H319
Aquatic Chronic 3	H412

For full text of H- phrases: see section 2.2.

2.2 Label elements:

Hazard Pictograms:

:



Signal Word(s)

: Warning

Hazard Statement

: H315: Causes skin irritation.

H319: Causes eye irritation.

H412: Harmful to aquatic life with long lasting effects.

: P264: Wash hands thoroughly after handling.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352: IF ON SKIN: Wash with plenty of water.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

P332 + P313: If skin irritation occurs: Get medical advice/attention.

P337 + P313: If eye irritation persists: Get medical advice/attention.

P362 + P364: Take of contaminated clothing and wash it before reuse.

P501: Dispose of contents/container in accordance with local regulation.

Precautionary statement

2.3 Other hazards:

Not available.



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Section 3 Composition/information on ingredients

Substance/Mixture: Mixture

Ingredients:

Chemical Name	Registration No.	CAS No.	EC No.	Concentration	Classification
WATER	N/A	7732-18-5	231-791-2	93.844%	Not Classified
Anatase (TiO ₂)	N/A	1317-70-0	215-280-1	5%	Not Classified
Zinc chloride	N/A	7646-85-7	231-592-0	1%	H302 H3141B H400 H410 STOT SE 3; H335: C ≥ 5%
Copper chloride	N/A	7447-39-4	231-210-2	0.15%	H302 H312 H315 H318 H400 H411 M = 10
Silver nitrate	N/A	7761-88-8	231-853-9	0.006%	H272 H3141B H400 H410 M = 1000 M(Chronic) = 100

Section 4 First aid measures

4.1 Description of first aid measures:

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

- 4.1.1 In case of inhalation** : Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.
- 4.1.2 In case of skin contact** : Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.
- 4.1.3 In case of eyes contact** : Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.
- 4.1.4 In case of ingestion** : Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

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

Cause skin irritation. Causes serious eye irritation.

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

Symptomatic treatment.



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Section 5 Fire-Fighting measures

5.1 Extinguishing media:

Suitable extinguishing media : Carbon dioxide, foam, powder and water spray.

Unsuitable extinguishing media : Not available.

5.2 Special hazards arising from

the substance or mixture : Carbon oxides. Metal oxide.

5.3 Advice for fire fighters : Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel : Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.1.2 For emergency responders : Avoid skin and eye contact. Refer to section 8 of SDS for personal protection details.

6.2 Environmental Precautions : The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3 Methods for Containment and Cleaning up : Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

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.



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Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures : Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove ant contaminated clothes and personal protective equipment before entering places in which people eat.

7.1.2 Advice on general occupational hygiene : Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities : Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details. Keep the product in sealed container and avoid sunlight with ambient temperature ranging between 0 to 50 °C. SHELF LIFE: 12 Months form production date.

7.3 Specific end use(s) : Not available.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

8.1.1 Occupational exposure limits :

Country	Substance	CAS No.	Occupational Exposure Limit Value (8-hour reference period)		Occupational Exposure Limit Value (15-minute reference period)		
			ppm	mg/m3	ppm	mg/m3	Note
Ireland	Zinc chloride, fume	7646-85-7	-	1	-	2	*

8.1.2 Additional exposure limits under the conditions of use : Not available.

8.1.3 DNEL/DMEL and PNEC-Values : Not available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls : Use adequate ventilation to keep airborne concentrations low.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection : Wear airtight protective goggles (see standard EN 166).

Hand protection : Protect hands with category III work gloves (see standard EN 374).

Body protection : Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344).



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- Respiratory protection** : If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapors of various kinds and/or gases or vapors containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required. Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited. If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.
- Thermal hazards** : Wear suitable protective clothing to prevent heat.
- 8.2.3 Environmental exposure controls** : Avoid discharge into the environment. Dispose of rinse water in accordance with local and national regulations.



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Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance	: Suspension
Colour	: Light blue
Odour	: Characteristic
Odour threshold	: Not available.
pH	: 7-8
Melting point/range (°C)	: Not available.
Boiling point/range (°C)	: Not available.
Flash point (°C)	: >60°C
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Ignition temperature (°C)	: Not available.
Upper/lower flammability/explosive limits	: Not available.
Vapour pressure	: Not available.
Vapour density	: Not available.
Density	: 1.040kg/m ³
Bulk density (kg/m³)	: Not available.
Water solubility (g/l)	: Not available.
n-Octanol/Water (log Po/w)	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity, dynamic (mPa.s)	: Not available.

9.2 Other information:

Fat solubility(solvent-oil to be specified)etc.	: Not available.
Surface tension	: Not available.
Dissociation constant in water (pKa)	: Not available.
Oxidation-reduction Potential	: Not available.



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Section 10 Stability and reactivity

- 10.1 Reactivity** : The substance is stable under normal storage and handling conditions.
- 10.2 Chemical stability** : Stable at room temperature in closed containers under normal storage and handling conditions.
- 10.3 Possibility of hazardous reactions** : No dangerous reactions known.
- 10.4 Conditions to avoid** : Incompatible materials.
- 10.5 Incompatible materials** : Strong oxidizing agents.
- 10.6 Hazardous decomposition products** : Carbon oxides. Metal Oxide.

Section 11 Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:

ATE_{mix}(oral) : 85768 mg/kg

ATE_{mix}(inhalation) : Not available.

ATE_{mix}(Dermal) : 816000 mg/kg

Zinc chloride (CAS#7646-85-7)

LD50(Oral, Rat) : 1100 mg/kg bw male

LD50(Dermal, Rat) : > 2000 mg/kg bw

LD50(Inhalation, Rat) : Not available.

Copper chloride(CAS#7447-39-4)

LD50(Oral, Rat) : 584 mg/kg bw

LD50(Dermal, Rat) : 1224 mg/kg bw female

LD50(Inhalation, Rat) : Not available.

Skin corrosion/Irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified



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Section 12 Ecological information

12.1 Toxicity:

Acute (short-term) toxicity	:	
LC50 (96h, Fish)	:	439 µg/L
EC50 (48h, Crustacea)	:	860 µg/L
EC50 (72h, Algae/aquatic plants)	:	Not available.
Chronic (long-term) toxicity	:	
NOEC(Fish)	:	172 µg/L
NOEC(Crustacea)	:	31 µg/L
EC50(Algae/aquatic plants)	:	Not available.

12.2 Persistence and degradability : Not available.

12.3 Bioaccumulative potential : Not available.

12.4 Mobility in soil : Not available.

12.5 Results of PBT&vPvB assessment : Not available.

12.6 Other adverse effects : Harmful to aquatic life with long lasting effects.

Section 13 Disposal considerations

13.1 Waste treatment methods : Dispose of in accordance with all applicable local and national regulations. Use recovery/recycling where feasible, otherwise incineration is the recommended method of disposal. If correctly incinerated this material will decompose to carbon dioxide and water only. Empty containers may contain hazardous residues. Do not cut, puncture or weld on or near to the container. Labels should not be removed from containers until they have been cleaned. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers.



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Section 14 Transport information				
	Land transport (ADR/RID)	Inland waterways (ADN)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	Not regulated	Not regulated	Not regulated	Not regulated
UN Proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated
Transport hazard Class	Not regulated	Not regulated	Not regulated	Not regulated
Packaging group	Not regulated	Not regulated	Not regulated	Not regulated
Environmental hazards	No	No	No	No
Special precautions for user	See section 2.2	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of Marpol and the IBS Code	Not regulated	Not regulated	Not regulated	Not regulated

Section 15 Regulatory information

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

Relevant information regarding authorization : Not applicable.

Relevant information regarding restriction : Not applicable.

Other EU regulations : Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

Other National regulations : Not applicable.

15.2 Chemical safety assessment : YES NO



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Section 16 Other information

16.1 Indication of changes:

Version 1.0 Amended by (EU) 2015/830

16.2 Abbreviations and acronyms:

ADR	:	European Agreement concerning the International Carriage of Dangerous Goods by Road
RID	:	Regulation for rail International transportation of Dangerous goods
ADN	:	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG	:	Code international maritime dangerous goods code
ICAO	:	International Civil Aviation Organization
IATA	:	International Air Transport Association
LC50	:	Median lethal concentration
EC50	:	The effective concentration of substance that causes 50% of the maximum response.
NOEC	:	No Observed Effect Concentration
DNEL	:	derived no-effect level
PNEC	:	Predicted no-effect concentration

16.3 Key literature references and sources for data

ECHA Registered substances data

16.4 Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Classification according to Regulation (EC) No. 1272/2008		Classification procedure
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Aquatic Chronic 3	H412	Calculation method



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16.5 Relevant H-statements (number and full text):

- H272: May intensify fire; oxidiser.
- H302: Harmful if swallowed.
- H312: Harmful in contact with skin.
- H314: Causes severe skin burns and eye damage.
- H315: Causes skin irritation.
- H318: Causes serious eye damage.
- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation.
- H400: Very toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.
- H411: Toxic to aquatic life with long lasting effects.
- H412: Harmful to aquatic life with long lasting effects.

16.6 Training instructions:

Not applicable.

16.7 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.8 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

***** END OF REPORT *****