



TEST REPORT

PAULINDA INDUSTRIES (1999) LTD.

Technical Report: (3222)265-0187

Sep.28,2022

Date Received: Sep.22,2022

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PAULINDA INDUSTRIES (1999) LTD.
NO.2,BANGXING RD., MAOSHAN INDUSTRIAL ZONE,
JIANGSHAN YINGZHOU NINGBO CHINA 315193

SAMPLE INFORMATION:

Sample Description:	GLOW IN THE DARK POWDER	Sample Quantity:	N/A
Vendor:	N/A	Style No(s):	N/A
Manufacturer:	PAULINDA INDUSTRIES (1999) LTD.	SKN/SKU No.:	N/A
Buyer:	LISCIANIGIOCHI SPA	PO No.:	N/A
Labeled Age Grade:	N/A	Ref #:	N/A
Appropriate Age Grade:	N/A	Country of Origin:	CHINA
Client Specified Age Grade:	N/A	Assortment No.:	N/A
Tested Age Grade:	N/A	Country of Destination:	EU, UK, USA, SOUTH AMERICA, THE MIDDLE EAST, ASIA, AUSTRALIA
UPC Code:	N/A	Color :	N/A

EXECUTIVE SUMMARY:

TEST REQUESTED	CONCLUSION
The submitted sample was evaluated to MSDS(Material Safety Data Sheet) and the data provided is for information purpose only.	DATA

With the client's prior consent, MSDS was subcontracted test item

BVCPS (ZHEJIANG) GENERAL CONTACT INFORMATION FOR THIS REPORT

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

• 1.1 Product identifier

• Trade name:

Glow in the dark powder

• EC No:

416-840-1

• CAS No:

201426-52-0

• Index No.:

No data available

• REACH Registration No.:

No data available

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

• Application of the substance/ mixture:

Consumer uses, to be used for playful activities.

• Uses advised against:

No data available

• Reason why uses advised against:

No data available

• 1.3 Details of the supplier of the safety data sheet

• Manufacturer/Supplier:

Liscianigiochi S.p.A.

Via Ruscitti, 16 - Zona ind.le Sant' Atto,64100 Teramo (Italy)

Mail: assistenza@liscianigiochi.it

• Further information obtainable from:

Liscianigiochi S.p.A.

• 1.4 Emergency telephone number

- Centro antiveneni di Milano 02 66101029 (CAV Ospedale Niguarda Cà Granda - Milano) (h24)
- Centro antiveneni di Pavia 0382 24444 (CAV IRCCS Fondazione Maugeri - Pavia)
- Centro antiveneni di Bergamo 800 883300 (CAV Ospedali Riuniti - Bergamo)
- Centro antiveneni di Firenze 055 7947819 (CAV Ospedale Careggi - Firenze)
- Centro antiveneni di Roma 06 3054343 (CAV Policlinico Gemelli - Roma)
- Centro antiveneni di Roma 06 49978000 (CAV Policlinico Umberto I - Roma)
- Centro antiveneni di Napoli 081 7472870 (CAV Ospedale Cardarelli - Napoli)

SECTION 2: Hazards identification

• 2.1 Classification of the substance or mixture

• 2.1.1 Classification according to regulation (EC) 1272/2008:

Regulation (EC) No 1272/2008 [CLP]

Aquatic Chronic 2, H411

• 2.1.2 Additional information:

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

• 2.2 Label elements

• Labeling according to Regulation (EC) No 1272/2008:

The product is labelled according to CLP Regulation.

• Hazard pictograms:



GHS09



• **Signal word:**

No signal word is used

• **Hazard statements:**

H411 Toxic to aquatic life with long lasting effects

• **Precautionary statement:**

P273 Avoid release to the environment.

P391 Collect spillage.

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

• **2.3 Other hazards**

Substance does not meet the criteria for PBT/vPvB in accordance with Annex XIII.

Substance was not identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100

SECTION 3: Composition/information on ingredients

• **3.1 Substance**

Substance name	CAS No.	EC No.	Index No	Weight %	SCL/ M-factor/ ATE
Alumane dysprosium europium oxidanylidene strontium	201426-52-0	416-840-1	-	100	-

• **3.2 Mixture**

Not applicable

SECTION 4: First aid measures

• **4.1 Description of first aid measures**

General advice:

Call a POISON CENTER or doctor/physician if feel unwell.

After inhalation:

Supply with fresh air. Call a POISON CENTER/doctor if you feel unwell.

After skin contact:

No special measure required normally.

If skin irritation occurs: Get medical advice/attention.

After eye contact:

Rinse cautiously with water for several minutes.

If eye irritation persists: Get medical advice/attention.

After swallowing:

Rinse mouth.

Call a POISON CENTER/doctor if you feel unwell.

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

No known important symptoms or effects, acute or delayed.

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

Treatment according to symptoms, no known specific medicine.

SECTION 5: Fire-fighting measures

• **5.1 Extinguishing media**

• **Suitable extinguishing agents:**

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

• **Unsuitable extinguishing media:**

No special unsuitable extinguishing media.

• **5.2 Special hazards arising from the substance or mixture:**

No special hazards arising from the substance.

• **5.3 Advice for firefighters**



Protective equipment:

Wear self-contained breathing apparatus and special tightly sealed suit (Comply with EN 133).

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

· **6.1.1 For non-emergency personnel**

Protective equipment:

Respiration protection.

Emergency procedures:

Ensure good ventilation.

Do not breath dust.

Avoid contact with eyes.

Avoid release to the environment.

· **6.1.2 For emergency responders**

Personal protective equipment:

Respiration protection

· **6.2 Environmental precautions:**

Prevent further leakage or spillage if safe to do so.

Prevent spillage from entering drains, sewer, basement or confined areas.

If the spillage contaminates rivers, lakes or drains inform respective authorities.

· **6.3 Methods and material for containment and cleaning up:**

Do not use water flush.

Ensure good ventilation.

Dispose contaminated material as waste according to section 13.

· **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 disposal in formation.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling:**

Ensure good ventilation at the workplace.

Prevent to contact with eyes.

Avoid release to the environment.

· **Information about fire and explosion protection:**

Normal measures for preventive fire protection.

· **7.2 Conditions for safe storage, including any non-compatibility**

· **Requirements to be met by storerooms and receptacles:**

Store in a dry and well-ventilated place.

· **Information about storage in one common storage facility:**

Store in the original container.

· **Further information about storage conditions:**

Store locked up.

· **Storage class:**

13.



· **7.3 Specific end use(s):**
See section 1.2.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** No available data.
- **DNELs:** No available data.
- **PNECs:**

Freshwater	6.4 - 6.8 µg/L
Intermittent releases (freshwater)	68 µg/L
Marine water	640 - 680 ng/L
Sewage treatment plant (STP)	1 - 10 mg/L
Sediment (freshwater)	5.08 - 46.3 µg/kg sediment dw
Sediment (marine water)	508 - 4 630 ng/kg sediment dw
Soil	790 ng/kg soil dw

· **Additional information:**

The lists valid during the marking were used as basis.

· **8.2 Exposure controls**

· **Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.**

· **Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice.
Wash hands and face before breaks and at the end of work.
See section 7 for information about design of technical facilities.

· **Personal protective equipment**

· **Eye and face protection:**

Not necessary.

· **Skin protection**

· **Hand protection:**

Not necessary.

· **Other skin protection:**

Not necessary.

· **Respiration protection:**

Not necessary.

· **Thermal hazards:**

Not necessary.

· **Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· Physical state	Powder
· Color	Green
· Odor & Odor threshold	Odorless
· Melting point/freezing point	500°C
· Boiling point or initial boiling point and boiling range	Not determined
· Flammability	Not flammable solid
· Lower and upper explosion limit	Not determined
· Flash point	Not applicable
· Auto-ignition temperature	Not determined



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• Decomposition temperature	Not determined
• pH	Not determined
• Kinematic viscosity (mm²/s)	Not applicable
• Solubility	300 mg/l (20°C)
• Partition coefficient n-octanol/water (log value)	0
• Vapor pressure	Not applicable
• Density and/or relative density	3.63 g/cm ³ (20°C)
• Relative vapor density	Not applicable
• Particle characteristics	Not determined
• 9.2 Other information	
• 9.2.1 Information with regard to physical hazard classes:	
• Explosives	Not applicable
• Flammable gases	Not applicable
• Aerosols	Not applicable
• Oxidising gases	Not applicable
• Gases under pressure	Not applicable
• Flammable liquids	Not applicable
• Flammable solids	Not applicable
• Self-reactive substances and mixtures	Not applicable
• Pyrophoric liquids	Not applicable
• Pyrophoric solids	Not applicable
• Self-heating substances and mixtures	Not applicable
• Substances and mixtures, which emit flammable gases in contact with water	Not applicable
• Oxidizing liquids	Not applicable
• Oxidizing solids	Not applicable
• Organic peroxides	Not applicable
• Corrosive to metals	Not applicable
• Desensitised explosives	Not applicable
• 9.2.2 Other safety characteristics	
• Mechanical sensitivity	Not applicable
• Self-accelerating polymerisation temperature	Not applicable
• Formation of explosible dust/air mixtures	Not applicable
• Acid/alkaline reserve	Not determined
• Evaporation rate	Not applicable
• Miscibility	Not applicable
• Conductivity	Not applicable
• Corrosiveness	Not applicable
• Gas group	Not applicable
• Redox potential	Not applicable
• Radical formation potential	Not applicable
• Photocatalytic properties	Not applicable
• Other physical and chemical parameters	Not determined

SECTION 10: Stability and reactivity

• **10.1 Reactivity:**

The product is no-reactive under normal conditions of use, storage and transport.

• **10.2 Chemical stability:**

Stable under recommended storage conditions.

• **10.3 Possibility of hazardous reactions:**

No known hazardous reaction.

• **10.4 Conditions to avoid:**



No known avoid condition.

• **10.5 Incompatible materials:**

No special incompatible materials.

• **10.6 Hazardous decomposition products:**

No known hazardous decomposition products.

SECTION 11: Toxicological information

• **11.1 Information on toxicological effects**

• **Acute toxicity:**

Based on available data, the classification criteria are not met.

• **Skin corrosion/irritation:**

Based on available data, the classification criteria are not met.

• **Serious eyes damage/ irritation:**

Based on available data, the classification criteria are not met.

• **Respiratory or skin sensitization:**

Based on available data, the classification criteria are not met.

• **Germ cell mutagenicity:**

Based on available data, the classification criteria are not met.

• **Carcinogenicity:**

Based on available data, the classification criteria are not met.

• **Reproductive toxicity:**

Based on available data, the classification criteria are not met.

• **STOT-single exposure:**

Based on available data, the classification criteria are not met.

• **STOT-repeated exposure:**

Based on available data, the classification criteria are not met.

• **Aspiration hazard:**

Based on available data, the classification criteria are not met.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties:

Substance was not considered to have endocrine-disrupting properties with respect to humans as it meets the criteria set out in section A of Regulation (EU) No 2017/2100.

11.2.2 Other information:

No known other relevant information on adverse health effects.

SECTION 12: Ecological information

• **12.1 Toxicity**

Acute (short-term) toxicity:

Species	Effect dose	Value	Test duration	Method	Remark
Rainbow trout	LC50	6.8 mg/L	96h	-	-
Daphnia magna	EC50	13mg/L	48h	-	-
Selenastrum capricornutum	NOEC	4.6 mg/L	-	-	-

Chronic (long-term) toxicity:

No available data.

• **12.2 Persistence and degradability:**

No available data.



• **12.3 Bio-accumulative potential:**

No available data.

• **12.4 Mobility in soil:** No available data.

• **12.5 Results of PBT and vPvB assessment**

According to the results of its assessment, this substance is not a PBT or a vPvB.

• **12.6 Endocrine disrupting properties:**

This substance does not have endocrine disrupting properties with respect to non-target organisms as it does not meet the criteria set out in section B of Regulation (EU) No 2017/2100.

• **12.7 Other adverse effects:** No known other adverse effects.

• **12.8 Additional ecological information**

• **General notes:**

WGK2 (German Regulation) (self-assessment): Hazardous for water.

Do not allow the product to reach ground water, water course or sewage system.

SECTION 13: Disposal consideration

• **13.1 Waste treatment methods**

• **Recommendation:**

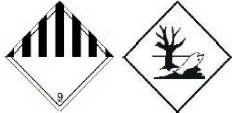
Must not be disposed together with household garbage.

• **13.2 Un-cleaned packaging**

• **Recommendation:**

Dispose of contents/container in according to the local regulation.

SECTION 14: Transport information

• 14.1 UN-Number ADR/RID (2021 Edition), IMO/IMDG (40-20), IATA-DGR (63th)	UN3077
• 14.2 UN proper shipping name ADR/RID (2021 Edition), IMO/IMDG (40-20), IATA-DGR (63th)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Alumane dysprosium europium oxidanylidene strontium)
• 14.3 Transport hazard class (es) ADR/RID (2021 Edition), IMO/IMDG (40-20), IATA-DGR (63th) Class Label	 9 9 Miscellaneous dangerous substances and articles
• 14.4 Packing group ADR/RID (2021 Edition), IMO/IMDG (40-20), IATA-DGR (63th)	III
• 14.5 Marine pollution	Yes
• 14.6 Special precautions for user • Danger code (Kemler) • EMS number	Warning: Miscellaneous dangerous substances and articles 90 F-A, S-F
• 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	IBC08

SECTION 15: Regulatory information

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

• **MAK (German Maximum Workplace Concentration):**



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This substance is not listed.

• **Directive 2012/18/EU**

• **Named dangerous substances-ANNEX I:**

This substance is not listed.

• **Seveso category:**

E2 Hazardous to the Aquatic Environment

• **Qualifying quantity (tonnes) for the application of lower-tier requirements:** 200.

• **Qualifying quantity (tonnes) for the application of upper-tier requirements:** 500

• **National regulations.**

• **Water hazard class:**

WGK2 (German Regulation) (self-assessment): Hazardous for water.

• **Other regulations, limitations and prohibitive regulations**

• **SVHC Candidate list of REACH Regulation Annex XIV Authorization:**

This substance is not listed.

• **REACH Regulation Annex XVII Restriction:**

This substance is not listed.

• **REACH Regulation Annex XIV Authorization List:**

This substance is not listed.

• **15.2 Chemical safety assessment:**

A Chemical Safe Assessment has not been carried out.

SECTION 16: Other information

• **16.1 Indication of changes:**

None.

• **16.2 Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bio accumulative and Toxic

SVHC: Substance of Very High Concern

LD50: Lethal dose, 50 percent

LC50: Lethal concentration, 50 percent

EC50: Concentration of maximal effect, 50 percent

NOEC: No observed effect concentration

Aquatic Chronic 2: Long-term (chronic) aquatic hazard, hazard category2

• **16.3 Key literature references and sources for data**

<https://echa.europa.eu/>

<https://chem.nlm.nih.gov/>

<https://www.osha.gov/>

<http://www.unece.org/>

<http://www.imo.org/>

<https://www.dguv.de/>

<https://epa.govt.nz/>

<http://www.ilo.org/>

<https://www.phmsa.dot.gov/>

• **16.4 Relevant H- and EUH-phrases (number and full text):**

H411 Toxic to aquatic life with long lasting effects

• **16.5 Training advice:**

Workers must be trained in general and specific aspects of safe work procedures for this chemical. Workers need easy to understand guidelines and instructions for safe working with this chemical. Instructions, guidelines and legally



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required documents need to be available for workers in easy to understand language.

· **16.6 Further information:**

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, its amendment Regulation (EU) No 2020/878 and (EC) No 1272/2008.

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-- END OF REPORT --