

Safety Data Sheet

according to (EC)1272/2008

Product Name: VULSTOF GLOW IN THE DARK pigment lichtgevend geel.

Created on 8/3/13

Revised on 06/01/17 Revision 5

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

1.1 Product identifier

Trade name: VULSTOF GLOW IN THE DARK pigment lichtgevend geel

ELINCS number: 416-840-1

REACH registration number: N/A

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

Application of the substance / the preparation:

Mapping of thermoplastics (Industrial use)
Use of coatings, paints and inks (Industrial, Professional, Consumer use)
Used for equipment cleaning (Industrial use, Professional use)
Printing reagents (Industrial use)
Calendering/Extrusion (Industrial use)
String, clothing spray (Industrial use)
Monomers/Intermediates (Industrial use)
Catalyst (Industrial use)
Use of GSS contained articles

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Vosschemie Benelux bvba
Mechelsesteenweg 303
B-2500 Lier
Tel: +32 (0)3 489 28 28
Fax: +32 (0)3 488 19 27
mailto: info@vosschemie-benelux.com

1.4 Emergency telephone number

België - Antigifcentrum: +32 (0)70 245 245.
Nederland - NVIC +31(0)30 274 8888.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The substance is not classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

This product is not classified as dangerous according to Directive 67/548/EEC or Directive 1999/45/EC.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008: Not applicable.

Hazard pictograms: Not applicable.

Signal word: Not applicable.

Hazard statements: Not applicable.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

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3.1 Substances

CAS Number. Description.

Dialuminium x dysprosium y europium (1-x-y) strontium tetraoxide ELINCS Number: 416-840-1

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Immediately remove any clothing soiled by the product.

After inhalation: Supply fresh air. Consult a doctor if symptoms persist.

After skin contact: Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Rinse out mouth. Induce vomiting, if person is conscious. Seek medical help.

4.2 Most important symptoms and effects, both acute and 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: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

Water spray

Carbon dioxide

For safety reasons unsuitable extinguishing agents: Water with full jet.

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released: Sulphur dioxide (SO₂)

Hydrogen sulphide (H₂S)

5.3 Advice for fire-fighters

Protective equipment: Wear self-contained respiratory protective device.

Additional information: Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use respiratory protective device against the effects of fumes/dust/aerosol.

6.2 Environmental precautions

Damp down dust with water spray.

Keep contaminated washing water and dispose of appropriately.

6.3 Methods and material for containment and cleaning up

Retrieve the product by mechanical means.

Dispose of the material collected according to regulations.

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 information.

SECTION 7: Handling and storage

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7.1 Precautions for safe handling

Provide suction extractors if dust is formed.

Do not inhale dust / smoke / mist.

Prevent formation of dust.

Any unavoidable deposit of dust must be regularly removed.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles: Store only in the original receptacle.

Information about storage in one common storage facility: Do not store together with acids.

Further information about storage conditions: Store in cool, dry conditions in well-sealed receptacles.

7.3 Specific end use(s):

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace: Not required.

DNELs

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace: Not required.

DNELs

Oral DNEL - Long-term exposure - systemic effects 1.7 mg/kg bw/day (Consumer)

Dermal DNEL - Short-term exposure - local effects 20 mg/kg bw/day (Workers)

DNEL - Short-term exposure - systemic effects 40 mg/kg bw/day (Workers)

DNEL - Short-term exposure - local effects 0.5 mg/kg bw/day (Consumer)

DNEL - Long-term exposure - systemic effects 20 mg/kg bw/day (Consumer)

Inhalative DNEL - Short-term exposure - local effects 280 mg/m³ (Workers)

140 mg/m³ (Consumer)

DNEL - Long-term exposure - systemic effects 23.3 mg/m³ (Workers)

11.7 mg/m³ (Consumer)

PNECs

PNEC 0.0068 mg/L (Water (Freshwater))

0.068 mg/L (Water (Intermittent Releases))

0.00068 mg/L (Water (Marine Water))

0.00463 mg/Kg (Sediment (Marine Water))

0.0463 mg/Kg (Sediment (Freshwater))

PNEC STP 1 mg/L (Sewage Treatment Plant (STP))

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Do not inhale dust / smoke / mist.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

Use skin protection cream for skin protection.

Wash hands before breaks and at the end of work.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

Short term filter device: Filter P2

Protection of hands:

Protective gloves

Neoprene gloves

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> 480 min (EN 374)

Eye protection:

Safety glasses with side-shields (EN 166).

Body protection: Light weight protective clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Powder.

Colour: Light Yellowish Green

Odour: Not determined.

Odour threshold: Not determined.

pH-value (0.3 g/l) at 20 °C: 11.35

Melting point/Melting range: Not applicable. **Boiling point/Boiling range:** Not applicable.

Flash point: Not applicable.

Flammability (solid, gaseous): Not determined.

Ignition temperature: Not determined.

Decomposition temperature: Not determined.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower: Not applicable.

Upper: Not applicable.

Oxidizing properties: Not determined.

Vapour pressure: Not applicable.

Density: Not determined.

Relative density at 20 °C: 3.63 g/cm³

Vapour density: Not applicable.

Evaporation rate: Not applicable.

Solubility in / Miscibility with water at 20 °C: 0.03 g/100g

Partition coefficient (n-octanol/water): Not determined.

Viscosity:

Dynamic: Not applicable.

Kinematic: Not applicable.

9.2 Other information

Volatility: The substance is a non-volatile solid..

9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

Thermal decomposition may evolve zinc oxide and sulfur dioxide.

10.3 Possibility of hazardous reactions Reacts with acids forming hydrogen sulphide.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials No further relevant information available.

10.6 Hazardous decomposition products

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Formation of toxic gases is possible during heating or in case of fire.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity****LD/LC50 values****11.1 Information on toxicological effects****Acute toxicity****LD/LC50 values:****Oral LD50 > 2000 mg/kg (Rat)****Dermal LD50 > 2000 mg/kg (Rat)****Primary irritant effect:****on the skin:** No irritant effect known.**on the eye:** No irritating effect known.**Sensitization:****No sensitizing effects known.****Guinea pig maximization test (GPMT):** Not Sensitising.**Other information (about experimental toxicology):****Germ cell mutagenicity:****Genotoxicity - In Vitro Ames Test:** Negative.**Reproductive Toxicity:****Reproductive Toxicity - Fertility:** Negative.**Repeated dose toxicity****Oral NOAEL 1000 mg/kg bw/day (Rat) (Fertility)****Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

Repeated dose toxicity**Oral NOAEL 13.3 mg/kg bw/day (Rat) (Subchronic)****Inhalative NOAEC 2.7 mg/m3 (subacute) (Rat)****SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:** No further relevant information available.**12.2 Persistence and degradability** Not soluble in water, inorganic product.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation:** Disposal must be made according to official regulations.**European waste catalogue** 060314

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Uncleaned packaging**Recommendation:**

Disposal must be made according to official regulations.

Packaging that may not be cleansed must be disposed of in the same manner as the product.

SECTION 14: Transport information**14.1 UN Number**

ADR, ADN, IMDG, IATA Not applicable.

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA Not applicable.

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class Not applicable.

14.4 Packing group

ADR, IMDG, IATA Not applicable.

14.5 Environmental hazards

Marine pollutant: No

14.6 Special precautions for user Not applicable.**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.**SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical safety assessment A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

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

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent; LD50: Lethal dose, 50 percent

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