

Newlite Pigment GL

Revision date: 20.10.2021

Product code: NL_GL

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Newlite Pigment GL

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

Food and fodder additive

1.3. Details of the supplier of the safety data sheet

Company name:	RC Tritec AG	
Street:	Speicherstrasse 60a	
Place:	CH-9053 Teufen	
Telephone:	+41 71 335 73 73	Telefax: +41 71 335 73 74
e-mail:	sales@rcritec.com	
Contact person:	Dr. Bernhard Walfort	
Internet:	www.rcritec.com	

1.4. Emergency telephone number:

+41 44 251 51 51

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Hazardous to the aquatic environment: Aquatic Acute 1

Hazard Statements:

Toxic to aquatic life with long lasting effects.

2.2. Label elements**Regulation (EC) No. 1272/2008****Pictograms:****Hazard statements**

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P273	Avoid release to the environment.
P391	Collect spillage.
P264	Wash hands thoroughly after handling.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**Mixture of an inorganic luminous pigment (SrAl₂O₄:Eu,Dy) with colouring pigments

Content of Rare Earth elements Eu and Dy < 5%

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
201426-52-0	Strontium aluminate doped with europium and dysprosium			99-100%
	416-840-1			
	Aquatic Chronic 2; H411			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

Following inhalation: Provide fresh air. In case of inhalation of aerosols/spray mist/splash spots: Consult physician.

After contact with skin

After skin contact: Subsequently wash off with: Water and soap. In case of skin irritation, seek medical treatment.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

after ingestion: Rinse mouth thoroughly with water. Call a physician in any case!

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Take up dust-free and set down dust-free.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Use only in well-ventilated areas. It is recommended to design all work processes always so that the following is excluded: inhalation. Dust should be exhausted directly at the point of origin.

Advice on protection against fire and explosion

The product is not: Combustible.

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7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed and in a well-ventilated place.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Additional advice on limit values**

Does not contain substances above concentration limits fixing an occupational exposure limit.

8.2. Exposure controls**Protective and hygiene measures**

Do not eat, drink and smoke at the workplace. Work in well-ventilated zones or use proper respiratory protection. Avoid contact with skin, eyes and clothes. After work, wash hands and face. After cleaning apply high-fat content skin care cream.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	solid
Colour:	light yellow
Odour:	odourless

Changes in the physical state

Melting point:	>1000 °C
Initial boiling point and boiling range:	>1000 °C
Flash point:	Test not required.
Ignition temperature:	Test not required.
Density (at 25 °C):	~3.6 g/cm ³

SECTION 10: Stability and reactivity**10.1. Reactivity**

No known hazardous reactions

10.2. Chemical stability

No known hazardous reactions

10.3. Possibility of hazardous reactions

No known hazardous reactions

10.4. Conditions to avoid

After contact with water: Formation of: Lewis-base

10.5. Incompatible materials

No known hazardous reactions

10.6. Hazardous decomposition products

No known hazardous reactions

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

No information available.
LD50 > 2000 mg/kg

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
201426-52-0	Strontium aluminate doped with europium and dysprosium				
	oral	LD50 mg/kg	>2000		
	dermal	LD50 mg/kg	>2000		

Irritation and corrosivity

Irritant effect on the eye: mild irritant.

Irritant effect on the skin: mild irritant.

Carcinogenic/mutagenic/toxic effects for reproduction

No information available.

Specific effects in experiment on an animal

No information available.

SECTION 12: Ecological information**12.1. Toxicity**

Acute fish toxicity: LC50(96h): 6.8 mg/L

Acute Daphnia toxicity: EC50(48h): 13 mg/L

Algae toxicity: EC50(72h): 19 mg/L

12.2. Persistence and degradability

Product is not easily biodegradable.

12.3. Bioaccumulative potential

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

Further information

Discharge into the environment must be avoided.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Remove according to the regulations.

Contaminated packaging: Non-contaminated packages may be recycled.

List of Wastes Code - residues/unused products

160304 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; inorganic wastes other than those mentioned in 16 03 03

List of Wastes Code - used product

160304 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; inorganic wastes other than those mentioned in 16 03 03

List of Wastes Code - contaminated packaging

160304 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; inorganic wastes other than those mentioned in 16 03 03

SECTION 14: Transport information**Land transport (ADR/RID)****14.1. UN number:**

UN 3077

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14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
14.3. Transport hazard class(es):	9
14.4. Packing group:	III
Hazard label:	9
Classification code:	M7
Special Provisions:	274 335 375 601
Limited quantity:	5 kg
Excepted quantity:	5 kg
Transport category:	3
Hazard No:	90
Tunnel restriction code:	E

Other applicable information (land transport)

E1

Inland waterways transport (ADN)

14.1. UN number:	UN 3077
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
14.3. Transport hazard class(es):	9
14.4. Packing group:	III
Hazard label:	9
Classification code:	M7
Special Provisions:	274 335 601
Limited quantity:	5 kg
Excepted quantity:	5 kg

Other applicable information (inland waterways transport)

E1

Marine transport (IMDG)

14.1. UN number:	UN 3077
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
14.3. Transport hazard class(es):	9
14.4. Packing group:	III
Hazard label:	9
Special Provisions:	274, 335, 966, 967
Limited quantity:	5 kg
Excepted quantity:	5 kg
EmS:	F-A, S-F

Other applicable information (marine transport)

E1

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:	UN 3077
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
14.3. Transport hazard class(es):	9
14.4. Packing group:	III
Hazard label:	9
Special Provisions:	A97 A158 A179 A197 A215
Limited quantity Passenger:	30 kg G
Excepted quantity:	5 kg
IATA-packing instructions - Passenger:	956
IATA-max. quantity - Passenger:	400 kg
IATA-packing instructions - Cargo:	956

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IATA-max. quantity - Cargo:

400 kg

Other applicable information (air transport)

: Y956

E1

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information****SECTION 16: Other information****Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]**

Classification	Classification procedure
Aquatic Chronic 2; H411	Calculation method

Relevant H and EUH statements (number and full text)

H411 Toxic to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)