

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Newlite Pigment GL

Print date: 02.12.2015

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@rcrittec.com	
Contact person:	Dr. Bernhard Walfort	
Internet:	www.rcrittec.com	

1.4. Emergency telephone number:

+41 44 251 51 51

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Directive 67/548/EEC or 1999/45/EC**

Indications of danger: N - Dangerous for the environment

R phrases:

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:

Hazardous to the aquatic environment: Aquatic Acute 1

Hazard Statements:

Toxic to aquatic life with long lasting effects.

2.2. Label elements

Signal word:	Warning
Pictograms:	GHS09

**Hazard statements**

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P402+P404	Store in a dry place. Store in a closed container.
P391	Collect spillage.
P232	Protect from moisture.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

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Chemical characterization

Mixture of an inorganic luminous pigment with colouring pigments. Product is inorganic.

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
416-840-1	Strontium aluminate doped with europium and dysprosium	99-100%
201426-52-0	N - Dangerous for the environment R51-53	
	Aquatic Chronic 2; H411	

Full text of R-, H- and EUH-phrases: 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

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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.

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, smoke or sneeze 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

Test method

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/cm³

SECTION 10: Stability and reactivity

10.4. Conditions to avoid

After contact with water: Formation of: Lewis-base

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

No information available.
 LD50 > 2000 mg/kg

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

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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****Advice on disposal**

Remove according to the regulations.

Contaminated packaging: Non-contaminated packages may be recycled.

Waste disposal number of waste from 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

Waste disposal number of 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

Waste disposal number of 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)**

<u>14.1. UN number:</u>	UN 3077
<u>14.2. UN proper shipping name:</u>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
<u>14.3. Transport hazard class(es):</u>	9
<u>14.4. Packing group:</u>	III
Hazard label:	9
Classification code:	M7
Special Provisions:	274 335 375 601
Limited quantity:	5 kg

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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)

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
 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
 IATA-max. quantity - Cargo: 400 kg

Other applicable information (air transport)

: Y956
 E1

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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****Relevant R-phrases (Number and full text)**

- 51 Toxic to aquatic organisms.
53 May cause long-term adverse effects in the aquatic environment.

Relevant H- and EUH-phrases (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.)