

SAFETY DATA SHEET

Date of revision : 07/08/02
Previous edition : 12/05/00
Print date : 07/04/05



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RADIANT COLOR N.V.

1. Identification of the substance/preparation and of the company/undertaking

- 1.1 Identification of the substance or preparation : **RADGLO EA15 RED**
- 1.2. Use of the substance/preparation : **Fluorescent pigment for the mass coloration of plastics.**
- 1.3. Company/undertaking identification : **RADIANT COLOR nv
Europark, 1046
B-3530 HOUTHALEN**
- 1.4. Emergency telephone : **Tel : +32 11 52 07 40
Fax : +32 11 52 66 79
E-mail : info@radiantcolor.be
Office hours: monday till friday 09h00 - 17h00**

2. Composition/Information on ingredients

2.1 Chemical composition

Polyester-amid resin with synthetic dyes. CAS no.: mixture.

2.2 Dangerous substances

1,0 - 1,5% , Xanthene dye CAS 3068-39-1 , EINECS 221-326-1 , Xn , N , R22,R41,R51/53

3. Hazards identification

- 3.1 Classification of the substance/preparation : **Not classified as dangerous substance/preparation according the directives 67/548/EEC, 1999/45/EC and 2001/58/EC.**
- 3.2 Adverse effects to human health : **Finely divided dust may cause a dust explosion.**
- 3.3 Environmental effects : **No special hazards known.**

4. First aid measures

- 4.1 Symptoms/effects after exposure : **No particular symptoms or effects known.**
- 4.2 General information : **Remove contaminated clothing**
- 4.3 Measures after eye contact : **Flush with water while holding eye lid open. Consult a physician if irritation persists.**
- 4.4 Measures after skin contact : **Wash with water and soap.**
- 4.5. Measures after inhalation : **Remove to fresh air. Treat symptoms. Consult a physician after significant exposure.**
- 4.6 Measures after ingestion : **Rinse mouth with water. Do not induce vomiting. Consult a physician after significant exposure.**

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5. Fire-fighting measures

- 5.1 Suitable extinguishing media : **Water , Watermist , Foam , Dry powder , CO2**
- 5.2 Not suitable extinguishing media : **No special restrictions**
- 5.3 Specific hazards : **Finely divided dust may cause dust explosions. Fumes released on burning may be toxic.**
- 5.4 Special protective equipment for fire-fighters :
Wear self-breathing apparatus in the event of fire.
- 5.5 Additional information :
Prevent entry of extinguishing water to sewers and public waters.
Clear area of personnel in case of fire.

6. Accidental release measures

- 6.1 Personal precautions : **Avoid inhalation and contact with skin and eyes. Wear recommended personal protective equipment. See 8.**
- 6.2 Environmental precautions : **Avoid dust formation. Do not drain in the sewer.**
- 6.3 Methods for cleaning up : **Sweep up with sand or any other absorbing material. Dispose as any dust of dirt. See 13.**

7. Handling and storage

- 7.1 Handling : **Apply good hygienic practice as employed with any industrial chemical.**
Avoid dust formation. Take precautionary measures against static discharges. Provide local exhaust or general room ventilation.
- 7.2 Storage : **Store in a dry and cool place. Keep container closed when not in use.**
Keep away from oxidising agents and incompatible substances.
- 7.3 Specific use(s) :

8. Exposure controls/personal protection

- 8.1 Exposure limit values : **No values determined**
- 8.2 Exposure controls
- 8.2.1 Occupational exposure controls
- 8.2.1.1 Respiratory protection : **Dust mask class 2, conform to EN 149**
- 8.2.1.2 Hand protection : **NBR Gloves conform to EN 388**
- 8.2.1.3 Eye protection : **Safety eyewear according to EN 166**
- 8.2.1.4 Skin protection : **Closed clothing**

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9. Physical and chemical properties

9.1 General information

Appearance : Powder
Colour : Red
Odour : Odourless

9.2 Important health, safety and environmental information

pH : Not soluble in Water
Boiling point/boiling range : Not applicable
Flash point : Not applicable
Flammability : Not applicable
Explosive properties : $p(\max) = 8,5 \text{ bar}$; $(dp/dt)\max = 878 \text{ bar/s}$; $K(st) = 238 \text{ bar.m/s}$
Oxidising properties : No reactions known
Vapour pressure : Not applicable
Relative density : 1.20 g/ml
Solubility
a) in water : Insoluble
b) fat solubility : Insoluble
Partition coefficient (n-octanol/water) : Not applicable (insoluble in water and n-octanol)
Viscosity : Not applicable
Vapour density : Not applicable
Evaporation rate : Not applicable (solid substance)
9.3 Other information : None

10. Stability and reactivity

Conditions to avoid : Dust formation in the vicinity of sparks/open fire. Excessive heat.
Materials to avoid : Contact with strong oxidisers.
Hazardous decomposition products : Fumes on burning contain oxides of nitrogen and carbon.

11. Toxicological information

11.1 Acute oral toxicity LD50 : >2000 mg/kg (rats)
11.2 Symptoms/effects at exposure
a) Ingestion : No specific effects known.
b) Inhalation : Treat as a nuisance dust. Avoid breathing
c) Skin : Non irritating
d) Eyes : Non irritating
11.3 Chronic effects : No effects known
11.4 Specific effects of exposure : No effects known

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12. Ecological information

- 12.1 Ecotoxicity : **The product is insoluble in water. No negative effects to expect based on the present state of knowledge and experience.**
- 12.2 Mobility : **Low mobility. Not soluble in water**
- 12.3. Persistence and degradability : **Difficult to degrade.**
- 12.4. Bioaccumulative potential : **No accumulation to expect because of the product is not soluble in water and n-octanol.**
- 12.5. Other adverse effects : **Product is not affecting the AOX-value of waste water. Product does not contain heavy metals.**

13. Disposal considerations

- 13.1 Product : **In accordance to local/natioanal regulations. Incineration under controlled conditions with recuperation of energy is recommended.**
- 13.2 Packaging : **In accordance to local/national regulations. Incineration under controlled conditions with recuperation of energy is recommended.**

14. Transport Information

- 14.1 UN number : -
- 14.2 Class : -
- 14.3 Proper shipping name : -
- 14.4 Packing group : -
- 14.5 Marine pollutant : **No marine pollutant**
- 14.6 Other applicable information : **Not applicable**

15. Regulatory information

Classification

Not classified as dangerous substance/preparation according to the directives 67/548/EEC, 1999/45/EC and 2001/58/EC.

Other information

Water Hazard Class (Germany VwVwS, 17.05.1999): WGK 1

16. Other information

The product/preparation is registered in following national inventories:

EINECS, Europa
TSCA, USA
AICS, Australie
MITI/ENCS, Japan
LECS, Korea
PRC, China

Custom tariff number **3204 20 00**

Full text of R-phrases of headings 2 and 3

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- R22** Harmful if swallowed.
- R41** Risk of serious damage to eyes.
- R51/53** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Product is conform to CONEG regulation and directive 94/62/EEC

Product is conform to toy regulation EN71 Part 3

Colour index: the product not is listed in this index.

Heavy metals: As <0,5 ppm, Ba 0,6 ppm, Cd <0,12 ppm, Cr 1,6 ppm, Hg 0,5 ppm, Pb 1,0 ppm, Sb <0,9 ppm, Se 0,9 ppm, Cu 3,4 ppm, Ni 1,1 ppm, Zn appr. 52000 ppm

Content of free primary aromatic amines: < 0.005%. Content of PCB and PCT: < 50 ppb

Changes/modifications versus the previous edition are marked with a vertical dash in the left margin

The information contained here in is based on our present state of knowlegde and experience. It does not reflect the needs of every situation, neither relates to the use in combination with any other material or in any process.

Employers should use the given data as supplementary information, and should determine, independently the suitability of the product to assure proper use, safety and health requirements