SAFETY DATA SHEET

(Reach Regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
   - Product name: PIGMENTS PHOTOLUMINESCENTS

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

1.3. Details of the supplier of the safety data sheet
   - Registered company name: STARDUSTCOLORS SAS.
   - Address: Route de l'Aviation. 30131. PUJAUT. France.
   - Telephone: +33 (0)4 86 65 50 32. Fax: -.
   - Email: info@stardustcolors.com
   - Website: http://www.stardustcolors.com

1.4. Emergency telephone number: +33 (0)1 45 42 59 59.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
   - In compliance with EC regulation No. 1272/2008 and its amendments.
     This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
     This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).
     This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

     This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
     This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).
     This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
   - Precautionary statements - Prevention:
     P260 Do not breathe dust.

2.3. Other hazards
   - In use, may form flammable/explosive dust-air mixture.
   - The mixture does not contain any substances classified as ‘Substances of Very High Concern’ (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH: http://echa.europa.eu/fr/candidate-list-table
   - The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures
   - Composition:

     | Identification | (EC) 1272/2008 | 67/548/EEC | Note  | %        |
     |----------------|---------------|------------|-------|----------|
     | CAS: 1314-11-0 |               |            |       | 30 <= x % <= 60 |
     | OXYDE DE STRONTIUM | | | | |
     | CAS: 1344-28-1 | | | | [1] 20 <= x % <= 50 |
     | EC: 215-691-6 | | | | |
     | REACH: | | | | |

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SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of exposure by inhalation:
If breathing is irregular or has stopped, proceed with artificial respiration and seek medical attention.
If a large quantity of dust is inhaled, move the patient into the fresh air and keep him/her warm and still.

In the event of splashes or contact with eyes:
Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.
If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin:
Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of swallowing:
Seek medical attention, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media
No data available.

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.

5.3. Advice for firefighters
Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For first aid worker
First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Retrieve the product by mechanical means (sweeping/vacuuming) : do not generate dust.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE
Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling
Always wash hands after handling.

Fire prevention :
Prevent access by unauthorised personnel.

Recommended equipment and procedures :
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.
Do not breathe in dust.

Prohibited equipment and procedures :
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Occupational exposure limits :

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

<table>
<thead>
<tr>
<th>CAS</th>
<th>TWA :</th>
<th>STEL :</th>
<th>Ceiling :</th>
<th>Definition :</th>
<th>Criteria :</th>
</tr>
</thead>
<tbody>
<tr>
<td>1344-28-1</td>
<td>10 mg/m3</td>
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- Belgium (Order of 19/05/2009, 2010) :

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- France (INRS - ED984 -2008) :

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<tr>
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<th>VME-ppm :</th>
<th>VME-mg/m3 :</th>
<th>VLE-ppm :</th>
<th>VLE-mg/m3 :</th>
<th>Notes :</th>
<th>TMP No :</th>
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<tr>
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- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :

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8.2. Exposure controls
Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection
Avoid contact with eyes.
Before handling powders or dust emission, wear mask goggles in accordance with standard EN166.

- Hand protection
Wear suitable protective gloves in the event of prolonged or repeated skin contact.

- Body protection

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12.6. Other adverse effects
No data available.

German regulations concerning the classification of hazards for water (WGK):
WGK 2 (VwVwS vom 27/07/2005, KBws) : Hazardous for water.

SECTION 13: DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.

Waste:
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14: TRANSPORT INFORMATION

Exempt from transport classification and labelling.

SECTION 15: REGULATORY INFORMATION

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

- Classification and labelling information included in section 2:
The following regulations have been used:
- Directive 1999/45/EC and its adaptations
- Regulation EC 1272/2008 modified by regulation EC 618/2012
- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.

- Container information:
No data available.

- Particular provisions:
No data available.

- German regulations concerning the classification of hazards for water (WGK):
WGK 2 (VwVwS vom 27/07/2005, KBws) : Hazardous for water.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704):
NFPA 704, Labelling: Health=0 Inflammability=1 Instability/Reactivity=1 Specific Risk=None

15.2. Chemical safety assessment
No data available.

SECTION 16: OTHER INFORMATION

Since the user’s working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.


Safety phrase:
S 22 Do not breathe dust.

Abbreviations:
ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
WGK : Wassergefahrgungsklasse (Water Hazard Class).