

For Coating Film

Product Information

1 PRODUCT AND COMPANY IDENTIFICATION

Product name:	BIRYUSIA ECOLAIR PL7100 KITO Yellow
Intended use:	paints for powder coatings
Manufacture:	
Company name:	NIPPON PAINT INDUSTRIAL COATINGS CO., LTD.
Address:	4-1-15 Minami-shinagawa, Shinagawa-ku, Tokyo, 140-8675 Japan
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2 COMPOSITION/INFORMATION ON INGREDIENTS

Substance or Preparation: Preparation.

Chemical nature: polyester powder paint

<u>Ingredient Name</u>	<u>CAS No.</u>	<u>Concentration[%]</u>
polyester resin	proprietary	60-65
titanium dioxide + @	13463-67-7	10-15
2,2'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)bis[N-(4-chloro-2,5-dimethoxyphenyl)-3-oxobutylamide]	5567-15-7	5-10
barium sulfate	7727-43-7	5-10
hydroxyalkylamide	6334-25-4	1-5
acrylic resin	proprietary	1-5
iron hydroxide oxide	20344-49-4	1-5
silicone oxide	7631-86-9	1-5
polymer	proprietary	1-5
epoxy resin	proprietary	1-5
other polymer(s)	proprietary	0.1-1
other pigment(s)	proprietary	1-5
other solvent(s)	proprietary	0.1-1
other additive(s)	proprietary	0.1-1

Notes:*,+,@=Carcinogenic according to criteria established by (*=NTP +=IARC @=OSHA)

\$=Significant New Uses of Chemical Substances (SNUR). section 721, Subpart E--Significant New Uses for Specific Chemical Substances.

\$1=SNUR Citation. This SNUR regulation is applicable only when the substance is for domestic use in a consumer product.

3 HAZARDS IDENTIFICATION

classification	most important hazard
eye moderate irritant.	Cause eye irritation.
skin sensitive.	May cause allergic skin reaction.
cancer hazard.	Possibly carcinogenic

4 FIRST-AID MEASURES

Inhalation:	If inhaled, remove to fresh air.
Skin contact:	In case of contact, immediately wash skin with soap and plenty of water.
Eye contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately. Call a physician if irritation develops and persists.
Ingestion:	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Get medical attention immediately.

5 FIRE-FIGHTING MEASURES

suitable fire-extinguishing media	[OK]water fog,[OK]CO ₂ ,[OK]foam,[OK]dry chemicals,[OK]dry sand.
Notes:	Fire will produce dense black smoke. Decomposition products may be hazardous to health. Avoid exposure and use breathing apparatus as appropriate. Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or watercourses. See section 10.

6 ACCIDENTAL RELEASE MEASURES

Avoid all sources of ignition(e.g. naked lights, unprotected light bulbs, electric handtools).
Ventilate the area and avoid breathing vapors.
Wear protective clothing and self-contained breathing apparatus when dealing with spillage or fire.
Should be disposed of wastes and empty containers in accordance with regulations made under the control of pollution acts and the environmental protection acts.
Contain and absorb spillage with non-combustible materials e.g.sand, soil, vermiculite.
Keep away from drains, surface- and ground-water and soil.
Avoid raising dust.
Carefully sweep up and remove.
Refer to headings 8 and 13.

7 HANDLING AND STORAGE

Handling:

Keep away from heat, sparks and flame.
 Keep container closed.
 Use adequate ventilation.
 Do not get in eyes, on skin, or on clothing.
 Avoid prolonged or repeated contact with skin.
 Wash thoroughly after handling.
 Protection as shown in section 8.

Storage:

Avoid prolonged or repeated contact with skin.
 Store bellow 30 deg.C.(86 deg.F.) and above 5 deg.C.(41 deg.F.).

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: Provide adequate ventilation.
 An eye wash facility should be readily available.
 Prevent deposition of dust ; closed system, dust explosion-proof electrical equipment and lighting.
 Facilities storing or utilizing this material should be equipped with an eye wash facility and a safety shower.

Exposure limit:

<u>Ingredient name</u>	<u>ACGIH TLV(TWA)</u>	<u>OSHA TLV(TWA)</u>
titanium dioxide	10 mg/m3	15mg/m3
2,2'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)bis[N-(4-chloro-2,5-dimethoxyphenyl)-3-oxobutylamide]	not est.	not est.
barium sulfate	5 mg/m3	0.5 mg/m3
hydroxyalkylamide	not est.	not est.
iron hydroxide oxide	10 mg/m3	not est.
silicone oxide	10 mg/m3	50 mg/m3

Notes:(RD)=respirable dust. (c)=ceiling limit. (Skin)=skin penetrative.
 Mppcf=millions of particles per cubic foot.

Personal protection:

Respiratory protection: Wear NIOSH-Approved appropriate equipment.
 Hand protection: Wear impervious glove.
 Eye protection: Wear chemical splash goggles and face shield when eye and face contact is possible due to splashing or spraying of material.
 Skin protection: Wear chemical resistant clothing such as gloves, apron, boots or whole bodysuits made from neoprene, as appropriate.

Environmental exposure control: Do NOT let this product enter the environment.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid
 form: Powder
 color: yellow
 odor: odorless
 pH: no data.
 boiling point(range): no data.

flash point: none.
ignition temperature: 350[deg.C](662[deg.F])
lower explosive limit: no data.
higher explosive limit: no data.
specific density: 1.4/20[deg.C](68[deg.F])
vapor density: The vapor and the gas are heavier than air.
solubility in water: None or poor in water
percentage volatile: 0[%]

10 STABILITY AND REACTIVITY

Stability: Stable under recommended storage and handling conditions (see section 7).
When exposed to high temperature, may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, oxides of nitrogen and smoke.

Hazardous reaction: Hazardous reaction will not occur.

Condition to avoid: Avoid heating temperatures above 40 deg.C.
Dust or particles mixed with air may cause dust explosion

Materials to avoid: Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid possible exothermic reactions.

Hazardous decomposition products: The products decomposed on heating producing their oxide or monomers.

11 TOXICOLOGICAL INFORMATION

There are no data available on the product itself.

Toxicological information of ingredients:

acute toxicity:

No data.

local effects:

eye irritant

titanium dioxide

sensitization:

No data.

chronically long term effect:

No data.

specific effects

carcinogenic:

titanium dioxide

Carcinogenic(IARC);Class:2B

Carcinogenic(OSHA)

12 ECOLOGICAL INFORMATION

For spillage or waste, take care to avoid contaminating the environment.

Prevent leakage into the sewer, waterway or legal areas to avoid pollution.

There are no data available on the product itself.

Ecological information of ingredients

acute toxicity silicone oxide LC50(Brachydanio rerio):>10,000mg/l/96h

Data are based on "Biological and Bioaccumulation Data of Existing Chemicals Based on the CSCL Japan" Compiled under the supervision of METI(MITI) Japan.

13 DISPOSAL CONSIDERATIONS

The product should not be allowed to release into the drains and watercourses.

All notification, clean-up and disposal should be carried out in accordance with federal, state and local regulations.

Preferred method of waste disposal are incineration or biological treatment in federal/state approved facility.

Wastes and empty containers should be disposed of in accordance with regulations made under the control of pollution acts and the environmental protection acts.

Empty containers should be recycled or disposed of through an approved waste management facility. product may be hazardous against the environment.

14 TRANSPORT INFORMATION

UN regulation

UN Shipping name: not applicable.

UN identification number: not applicable.

UN Class: not applicable.

UN Packaging group: not applicable.

IMDG Class: not applicable.

storage temperature Store below 30 deg.C.(86 deg.F.) and above 5 deg.C.(41.0 deg.F.).

See section 7, Handling and storage.

15 REGULATORY INFORMATION

Please refer to any other national measures that may be relevant.

16 OTHER INFORMATION

This information contained in this data sheet represents the best information currently available to us.

However, no warranty is made with respect to its completeness and we assume no liability resulting from it.

It is advised to make their own tests to determinate the safety and suitability of each such product or combination for their own.

Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

The product should not be used for purposes other than shown in the safety data sheet without first obtaining written advice.
