

# MuchColours

## Safety Data Sheet according to Regulation (EC) No 1907/2006 (REACH) Regulation (EC) No. 1272/2008

Date of issue: 01.06.2015

Revision:02

n/a. = not-applicable  
n.d. = not determined

## NANO INK PIG YELLOW

### 1. Identification of the mixture/article and of the company/undertaking

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#### 1.1 Identification of the substance or mixture

Trade name	Nano Ink PIG YELLOW
Index-No:	none
EG-No.:	none
CAS-No.:	none
REACH-Registration No.:	none
Use of the Substance/preparation/article	Ink for industrial use

#### 1.2 Company / undertaking identification

Supplier (manufacturer/importer/downstream user/distributor):  
Muchcolours Srl  
Via California, sn  
63015 Montesilvano (PE) Italia  
Telefono: +39085.4450572  
email: info@muchcolours.com

#### 1.3 Emergency telephone:

Centro Nazionale di Informazione Tossicologica (24h): +39 0382 24444

### 2. Hazards description

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#### 2.1 Classification of the Substance / mixture / article

Flam. Liq. 3; H226;  
Eye irrit. 2; H319;  
STOT SE 2; H371

#### 2.2 Label element

Hazard pictograms:



Signal word:

Warning

Hazard statements:

H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness and dizziness.

Precautionary statements:

P210 Keep away from heat/ sparks/ open flames/ hot surfaces.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses,

if present and easy to do. Continue rinsing.

- 2.3 Other hazards**  
EUH066 Repeated exposure may cause skin dryness or cracking.

### **3. Composition/information on ingredients**

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- 3.1 Substances**  
The product this document refers to is a mixture.

- 3.2 Mixtures**  
**Composition/ informations to the ingredients**

1-ETHOXYPROPAN-2-OL; EG no. 216-374-5; CAS: 1569-02-4; Index no. 603-177-00-8  
Classification according to regulation (EC) 1272/2008: Flam. Liq. 3; H226; Eye Irrit. 2; H319; STOT SE 3  
H336

ETHYLETHOXYPROPIONAT; EG no. 212-112-9; CAS: 763-69-9  
Classification according to regulation (EC) 1272/2008: Flam. Liq. 3; H226

The wording of the hazard statements can be found in section 16.

Substances which are listed in the „Candidate List of Substances of Very High Concern (SVHC) for Authorization“ of the European Chemicals Agency (ECHA) are not deliberate components of this product.

It is not to expect, that such substances are contained in this product in a concentration beyond 0.1%.

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### **4. First aid measures**

- 4.1 Description of first aid measures**

**General hints**

Remove immediately contaminated clothing. In case of health disorders ask immediately physician.

**After inhalation**

Supply fresh air. In case of irritation of the respiratory tract, ask physician.

**After skin contact**

Wash with plenty of water and soap.

**After Eye contact**

Rinse continuously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing with water.

**After ingestion**

Wash mouth immediately with water. Drink plenty of water in small sips (effect of dilution). Do not actively induce vomiting, avoid vomiting if possible. Do not try to neutralize.

- 4.2 Most important symptoms and effects, both acute and delayed**

Problems in coordination.

- 4.3 Indication of any immediate medical attention and special treatment needed**

In case of unconsciousness: immediately alert emergency physician!

### **5. Firefighting measures**

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- 5.1 Extinguishing media**

**Suitable extinguishing media**

Water spray, foam (alcohol resistant), carbon dioxide, powder.

**Not suitable extinguishing media**

Do not apply water jet to avoid spreading of the fire.

## **5.2 Special hazards arising from the substance or mixture**

In case of a fire, dangerous gases/ vapours may be generated: Carbon monoxide, carbon dioxide

## **5.3 Advice for fire fighters**

Wear suitable breathing apparatus. Cool container with water spray from safe distance. Use water mist to deposit vapours/fumes. Pay attention to the risk of re-ignition. Avoid penetration of used extinguishing media to soil and waters. Avoid skin contact by wearing suitable protection clothing and by keeping a safety distance.

# **6. Accidental release measures**

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## **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid contact to the product and inhalation of solvent vapours. Avoid skin contact by wearing suitable protection clothing and by keeping a safety distance. Use protection clothing according to section 8.

## **6.2 Environmental precaution**

Avoid penetration of product or contaminated wash water to soil and waters. Cover inlets to sewerage to avoid penetration of the product to sewerage. An emission control system can be used to limit the emission of volatile organic components (VOC).

## **6.3 Methods and material for containment and cleaning up**

Pump product into suitable container. If not applicable, absorb with absorption material.

## **6.4 Reference to other sections**

Also see protection measures in section 7, 8 and 13.

# **7. Handling and Storage**

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## **7.1 Precautions for safe handling**

### **Hints for safe handling**

Keep container closed. General safe working practise: Do not eat, drink or smoke in working areas. Wash your hands after working. Remove personal protection clothing after leaving the working area.

### **Hints for fire and explosion protection**

Solvent vapours are heavier than air. Explosive Vapour/air mixtures may occur even at room temperature. Take action to avoid static charge at product transfers. In the area of risk, use only non sparking tools. Keep away from oxidisers or substances which do support combustion.

## **7.2 Conditions for safe storage, including any incompatibilities**

Recommended storage temperature: Room temperature, do not exceed 20°C. Do not store together with: medicine, food or feeding stuff  
self-combustible substances  
substances which form combustible gases at water contact  
organic peroxides  
Store at a place with solvent resistant floor or in a suitable collecting pan. Keep in original or in accordingly container.

## **7.3 Specific end use(s)**

Please refer to our technical information for additional product hints.

# **8. Exposure controls/personal protection**

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## **8.1 Control parameters**

not applicable.

## **8.2. Exposure controls**

### **Suitable technical means**

Technical measures and application of suitable working procedures are preferred against the use of personal protective equipment. Take care for good ventilation. This can be done by local exhaust ventilation or by general ventilation.

### Personal protection

### Breathing protection

A breathing apparatus must be used, if a protection threshold is exceeded.

### Hand protection

Use solvent resistant gloves according to EN 374.

### Eye protection

Use protection goggles according to EN 166:2001.

### Limitation and surveillance of environmental exposition

see sections 6 and 7.

## 9. Physical and chemical Properties

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### 9.1 Information on basic physical and chemical properties

#### Appearance

Appearance: Black liquid

Smell: remarkable characteristic, solvent-like.

#### Safety related properties

Parameter	Value,Unit	Method	Remarks
Flash point	26,5°C	DIN 51755	
pH-value	5,5		
Begin of boiling	80°C		
Viscosity	5 mPa*s		
Density	0,9 kg/dm <sup>3</sup>		

### 9.2 Other information

The corrosion properties against metals was not tested.

## 10. Stability and Reactivity

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### 10.1 Reactivity

Reacts with strong oxidizers and strong reductants, with a risk of fire or explosion. Reacts with strong acids with a risk of fire or explosion. Reacts with e.g. acid anhydrides and alkaline metals, with a risk of fire or explosion.

### 10.2 Chemical stability

The product is in normal conditions (room temperature) chemically stable.

### 10.3 Possibility of hazardous reactions

If stored and used as recommended, no dangerous reactions are to expect.

### 10.4 Conditions to avoid

Raised temperatures facilitate the evaporation of organic components.

### 10.5 Incompatible materials

Plastics and rubber may be corroded.

### 10.6 Hazardous decomposition products

Contact with strong oxidisers, alkali metals or acids may generate combustible gas (hydrogen).

## 11. Toxicological information

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### 11.1 Information on toxicological effects

There are no information about the toxicological effects of the product.

#### Acute Toxicity

1-ETHOXYPROPAN-2-OL; EG no. 216-374-5; CAS: 1569-02-4; Index no. 603-177-00-8

LD50 (oral, rat): 4400 mg/kg

LD50 (dermal, rabbit): 8100 mg/kg

LC50 (inhalative, rat): >42,6 mg/l/4h

ETHYLETHOXYPROPIONATE; EG no. 212-112-9; CAS: 763-69-9

LD50 (oral, rat): 5000 mg/kg

LD50 (dermal, rabbit): 9490 mg/kg

#### Irritation

1-ETHOXYPROPAN-2-OL; EG no. 216-374-5; CAS: 1569-02-4; Index no. 603-177-00-8

Causes serious eye irritation.

#### Corrosion

not applicable.

**Sensitization**

not applicable.

**Toxicity (repeated application)**

not applicable.

**Carcinogenicity**

not applicable.

**Mutagenicity**

not applicable.

**Reproductive toxicity**

not applicable.

## 12. Ecological informations

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### 12.1. Toxicity

1-ETHOXYPROPAN-2-OL; EG no. 216-374-5; CAS: 1569-02-4; Index no. 603-177-00-8

EC10 (ISO10712, Pseudomonas putida, 16h): 10712 mg/l

EC50 (Daphnia magna, 48h): 180mg/l

LC0 (zebrafish, 96h): >200mg/l

LC50 (Daphnia magna, 96h) 21100 mg/l

NOEC (Daphnia magna, 21d): >180mg/l

NOEC (summer salmon, 21d): >200mg/l

ETHYLETHOXYPROPIONATE; EG no. 212-112-9; CAS: 763-69-9

EC50 (Daphnia magna, 48h): >95 mg/l

EC50 (Pseudokirchneriella subcapitata, 72h): >114 mg/l

LC50 (Pimephales promelas, 96h): 88 mg/l

### 12.2. Persistence and degradability

ETHYLETHOXYPROPIONATE; EG no. 212-112-9; CAS: 763-69-9

Degradability: (OECD 301B, 18d): 100%

### 12.3. Bioaccumulative potential

no data available

### 12.4. Mobility in soil

no data available

### 12.5. Results of PBT and vPvB assessment

no data available

### 12.6. Other adverse effects

no data available

## 13. Disposal considerations

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### 13.1. Waste treatment methods

Do not dispose of chemicals down drain. For proper disposal, refer to local regulations.

## 14. Transport information

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### 14.1. UN number

UN 1263

### 14.2. UN proper shipping name

ADR/RID:

Paint

IMDG code/ICAO / IATA-DGR

Paint

### 14.3. Transport hazard class(es)

ADR / RID / IMDG code / ICAO-TI / IATA-DGR

3 (flammable liquids)

### 14.4. Packing group

III

**14.5. Environmental hazards**

Marking as hazardous for the environment:  
ADR / RID / IMDG code: no  
ICAO-TI / IATA-DGR: no

**14.6. Special precautions for user**

see sections 6, 7, 8

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

The product is packed in suitable containers

## **15. Regulatory information**

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

**EU regulations**

Regulation (EG) No. 1005/2009:  
not applicable

Regulation (EG) No. 850/2004:  
not applicable

Regulation (EG) No. 649/2012:  
not applicable

Regulation (EG) No. 648/2004:  
not applicable

**15.2. Chemical safety assessment**

A safety assessment for the product was not performed.

## **16. Other information**

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**Changes compared to the previous version**

section 2.2

**Literature and data sources**

REACH regulation (EG) no. 1907/2006

CLP regulation (EG) no. 1272/2008

**List of abbreviations**

List of hazard statements:

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness and dizziness.

List of precautionary statements:

P210 Keep away from heat/ sparks/ open flames/ hot surfaces.

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P303+P361+P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**16.1 Department issuing MSDS: [A. Rabuffo/MuchColours srl]**

**Issue: 0002**

The information in Chapters 4 to 8 and 10 to 12 are partially based on the use and proper application (see article on use), but to liberation of major amounts in case of accidents and irregularities. The information contained in this safety information is based on the knowledge available at the time of creation. The delivery specifications are contained in the product data sheets. The description of the product is only in relation to health and safety

requirements. This document is not a guarantee of specific properties or specifications.(n.a. - not applicable, n.d. - not determined).

**Changes to version 1:** Adoption of the requirements of Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No. 1272/2008