

SECTION1. Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product code : PIROGALLOLO

Trades code : 100210

Chemical Name: 1,2,3-trihydroxybenzene CAS: 87-66-1 - EC No: 201-762-9 - Index No: 604-009-00-6

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

Photographic Process

Sectors of use:

Professional use[SU22]

Product category:

Photochemicals

Process categories:

Mixing or blending in batch processes for formulation of preparations* and articles (multistage and/or significant contact)[PROC5]

Uses advised against

Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

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1.4. Emergency telephone number

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SECTION2. Hazards identification**2.1. Classification of the substance or mixture**

CAS 87-66-1 CEE 604-009-00-6 EINECS 201-762-9

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:

GHS06, GHS07, GHS08

Hazard Class and Category Code(s):

Acute Tox. 3, Skin Irrit. 2, Eye Irrit. 2, Muta. 2, Aquatic Chronic 3

Hazard statement Code(s):

H301 - Toxic if swallowed.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H341 - Suspected of causing genetic defects

H412 - Harmful to aquatic life with long lasting effects.

Toxic product: do not ingest

If brought into contact with eyes, the product causes significant irritations which may last for more than 24 hours, if brought into contact with skin, it causes significant inflammation with erythema, scabs, or edema

The product is suspected of causing genetic defects

The product is dangerous to the environment as it is harmful to aquatic life with long lasting effects

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):

GHS06, GHS08 - Danger

Hazard statement Code(s):

H301 - Toxic if swallowed.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H341 - Suspected of causing genetic defects

H412 - Harmful to aquatic life with long lasting effects.

Supplemental Hazard statement Code(s):

not applicable

Precautionary statements:

Prevention

P201 - Obtain special instructions before use.

P264 - Thoroughly wash clothing after use.

P273 - Avoid release to the environment.

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

Response

P301+P310 - IF SWALLOWED: Immediately contact a doctor and show him the label

P308+P313 - IF exposed or concerned: Get medical advice/attention.

P321 - Specific treatment to see instructions on the safety data sheet

P337+P313 - If eye irritation persists: Get medical advice attention.

Disposal

P501 - Dispose of contents and container in accordance with the laws in force

Contains:

1,2,3-trihydroxybenzene

2.3. Other hazards

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII
The use of this chemical agent involves the obligation of "risk assessment" by the employer in accordance with Dlgs.
April 9, 2008 # 81. Workers exposed to this chemical agent should not be subjected to health surveillance if the results
of the risk assessment show that, in relation to the type and quantity of hazardous chemical agent and that agent
exposure frequency and mode, you just a "moderate risk" for the health and safety of workers and that the measures
laid down in the decree are sufficient to reduce the risk.

RESTRICTED TO PROFESSIONAL USERS



SECTION3. Composition/information on ingredients

3.1 Substances

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACH
1,2,3-trihydroxybenzene	100%	Acute Tox. 4, H302; Skin Corr. 2, H315; Eye Irrit. 2, H319; Muta. 2, H341; Aquatic Chronic 3, H412	604-009-00-6	87-66-1	201-762-9	

3.2 Mixtures

Irrilevant

SECTION4. First aid measures

4.1. Description of first aid measures

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):

Take contaminated clothing Immediately off.

Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.

In case of contact with skin, wash immediately with water.

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately

Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

Ingestion:

The product is toxic and can cause serious irreversible damages even following a single exposure, if swallowed.

Absolutely do not induce vomiting or emesis. Seek medical advice immediately.

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

IF SWALLOWED: Immediately contact a doctor and show him the label

IF exposed or concerned: Get medical advice/attention.

If skin irritation occurs: Get medical advice attention.

If eye irritation persists: Get medical advice attention.

SECTION5. Firefighting measures

5.1. Extinguishing media

Advised extinguishing agents:

Water spray, CO2, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

SECTION6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

Wear mask, gloves and protective clothing.

6.1.2 For emergency responders:

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spill

Inform the competent authorities.

Discharge the remains in compliance with the regulations

6.3. Methods and material for containment and cleaning up**6.3.1 For containment:**

Rapidly recover the product, wear a mask and protective clothing
Recover the product for reuse, if possible, or the removal.

6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved

6.3.3 Other information:

None in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION 7. Handling and storage**7.1. Precautions for safe handling**

Wear protective gloves protective clothing eye protection face protection.

At work do not eat or drink.

Do not eat, drink or smoke when using this product.

See also paragraph 8 below.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.

Keep containers upright and safe by avoiding the possibility of falls or collisions.

Store in a cool place, away from sources of heat and direct exposure of sunlight.

7.3. Specific end use(s)

Professional use:

Photographic and cinematographic treatment

SECTION 8. Exposure controls/personal protection**8.1. Control parameters**

Related to contained substances:

1,2,3-trihydroxybenzene:

Contains no substances with occupational exposure limit value.

8.2. Exposure controls

Appropriate engineering controls:

Professional use:

Not established

Individual protection measures:

(a) Eye / face protection

When handling the pure product use safety glasses (spectacles cage) (EN 166).

(b) Skin protection

(i) Hand protection

When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

(ii) Other

When handling the pure product wear full protective skin clothing.

(c) Respiratory protection

Not needed for normal use.

(d) Thermal hazards

No hazard to report

Environmental exposure controls:

Related to contained substances:

1,2,3-trihydroxybenzene:

Do not let this chemical agent contaminate the environment.

SECTION9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical and chemical properties	Value	Determination method
Appearance	Powder	
Odour	Irrilevant	
Odour threshold	undefined	
pH	5.8 Sol. 10 g/l	pH METRO
Melting point/freezing point	Irrilevant	
Initial boiling point and boiling range	Not determined	
Flash point	non flammable	ASTM D92
Evaporation rate	Not determined	
Flammability (solid, gas)	Irrilevant	
Upper/lower flammability or explosive limits	undefined	
Vapour pressure	Not determined	
Vapour density	Not determined	
Relative density	1.450 gr/cm3	
Solubility	in water	
Water solubility	Complete	
Partition coefficient: n-octanol/water	Not determined	
Auto-ignition temperature	Not determined	
Decomposition temperature	Not determined	
Viscosity	not determined	
Explosive properties	not explosive	
Oxidising properties	non-oxidizing	

9.2. Other information

No data available.

SECTION10. Stability and reactivity**10.1. Reactivity**

Related to contained substances:

1,2,3-trihydroxybenzene:

No data available.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Related to contained substances:

1,2,3-trihydroxybenzene:

No data available.

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

No data available.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

ATE oral = 300,0 mg/kg

ATE dermal = ∞

ATE inhal = ∞

- (a) acute toxicity: Toxic product: do not ingest
- (b) skin corrosion/irritation: If brought into contact with the skin, the product causes significant inflammation with erythema, scabs, or edema.
1,2,3-trihydroxybenzene: Harmful if absorbed through the skin. Causes skin irritation.
- (c) serious eye damage/irritation: If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours.
1,2,3-trihydroxybenzene: Causes serious eye irritation.
- (d) respiratory or skin sensitization: based on available data, the classification criteria are not met.
- (e) germ cell mutagenicity: The product is suspected of causing genetic defects
- (f) carcinogenicity: based on available data, the classification criteria are not met.
- (g) reproductive toxicity: based on available data, the classification criteria are not met.
- (h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.
- (i) specific target organ toxicity (STOT) repeated exposure based on available data, the classification criteria are not met.
- (j) aspiration hazard: based on available data, the classification criteria are not met.

PIROGALLOLO:

LD50 (rat) Oral (mg/kg body weight) = 300

Related to contained substances:

1,2,3-trihydroxybenzene:

Routes of exposure: the substance can be absorbed into the body by ingestion.

INHALATION RISK: evaporation at 20 C is negligible; a harmful concentration of particles however can be dispersed and reached quickly.

Effects of short-term exposure: the substance is irritating to eyes and respiratory tract and is moderately irritating to the skin effects of REPEATED EXPOSURE or long-term repeated or prolonged contact may cause skin sensitization.

Acute hazards/symptoms INHALATION cough. Sore throat.

SKIN Redness.

EYE Redness. Pain.

Vomiting IF SWALLOWED. Diarrhea.

LD50 (rat) Oral (mg/kg body weight) = 300

SECTION 12. Ecological information

12.1. Toxicity

Related to contained substances:

1,2,3-trihydroxybenzene:

The substance is harmful to aquatic organisms.

LC50-Danio rerio (zebrafish)-41.8-96.0 mg/l h

The product is dangerous for the environment as it is toxic for aquatic organisms following acute exposure.

Use according to good working practices to avoid pollution into the environment.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This substance/mixture does not contain any persistent, bioaccumulative toxic that considered both (PBT) or very persistent and very bioaccumulative (vPvB) at concentrations of 0.1% or higher

12.6. Other adverse effects

Harmful to aquatic life with long lasting effects.

SECTION13. Disposal considerations**13.1. Waste treatment methods**

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.

Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

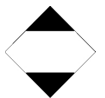
SECTION14. Transport information**14.1. UN number**

ADR/RID/IMDG/ICAO-IATA: 2811

ADR exemption because compliance with the following characteristics:

Combination packagings: per inner packaging 5 kg per package 30 Kg

Inner packagings placed in skrink-wrapped or stretch-wrapped trays: per inner packaging 5 kg per package 20 Kg

**14.2. UN proper shipping name**

ADR/RID/IMDG: SOLIDO ORGANICO TOSSICO, N.A.S. (1,2,3-triidrossibenzene)

ADR/RID/IMDG: TOXIC SOLID, ORGANIC, N.O.S. (1,2,3-trihydroxybenzene)

ICAO-IATA: TOXIC SOLID, ORGANIC, N.O.S. (1,2,3-trihydroxybenzene)

14.3. Transport hazard class(es)

ADR/RID/IMDG/ICAO-IATA: Class : 6.1

ADR/RID/IMDG/ICAO-IATA: Label : Limited quantities

ADR: Tunnel restriction code : E

ADR/RID/IMDG/ICAO-IATA: Limited quantities : 5 kg

IMDG - EmS : F-A, S-A

14.4. Packing group

ADR/RID/IMDG/ICAO-IATA: III

14.5. Environmental hazards

ADR/RID/ICAO-IATA: Product is not environmentally hazardous

IMDG: Marine polluting agent : Not

14.6. Special precautions for user

The transport must be carried out by authorised vehicles carrying dangerous goods in accordance with the requirements of the current edition of the agreement A.D.R. applicable national provisions.

The transport must be carried out in the original packaging and in packages that are made from materials resistant to the content and not likely to generate with this dangerous reactions. Employees to the loading and unloading of dangerous goods have received proper training on the risks presented by prepared and on possible procedures to be

taken in the event of emergency situations

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

It is not intended to carry bulk

SECTION 15. Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Legislative Decree. 02/03/1997 n. 52 (Classification, packaging and labeling of dangerous substances). Legislative Decree 14/03/2003 n. 65 (Classification, packaging and labeling of dangerous substances). Legislative Decree. 02/02/2002 n. 25 (Risks related to chemical agents at work). D.M. 26/02/2004 Work (Exposure Limits Professional); D.M. 03/04/2007 (Implementation of Directive n. 2006/8 / EC). Regulation (EC) No. 1907/2006 (REACH), Regulation (EC) No. 1272/2008 (CLP), Regulation (EC) 790 / 2009.D.Lgs. September 21, 2005 n. 238 (Seveso Ter).

Seveso category:

H2 - ACUTE TOXIC

REGULATION (EU) No 1357/2014 - waste:

HP4 - Irritant — skin irritation and eye damage

HP11 - Mutagenic

15.2. Chemical safety assessment

The supplier has made an assessment of chemical safety

SECTION 16. Other information**16.1. Other information**

Points modified compared to previous release: 2.3. Other hazards, 10.4. Conditions to avoid, 12.5. Results of PBT and vPvB assessment

Description of the hazard statements exposed to point 3

H302 = Harmful if swallowed.

H315 = Causes skin irritation.

H319 = Causes serious eye irritation.

H341 = Suspected of causing genetic defects

H412 = Harmful to aquatic life with long lasting effects.

Main normative references:

Directive 1999/45/EC

Directive 2001/60/EC

Regulation 1272/2008/EC

Regulation 2010/453/EC

Regolamento 529/2012 and subsequent updates

This data sheet cancels and replaces any previous edition.