

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

1.1. Product Definition Tracer Pastilles Blue

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

Any use not specified in this Section or in Subsection 7.3

1.3. Relevant identified uses:

Water-soluble dye for leak detection in drains or closed systems.
(waste water or rainwater), septic tank tracing, waterproofing tests (roofs, terraces, etc.), hydrological tracing (course of water, sea currents ...). For professional / industrial use only.

1.4. Information on the supplier of the safety data sheet:

SAS PAVIQUA
9A commercial area BEL AIR
84300 Les Taillades
contact@fluotechnik.com
www.fluotechnik.com

1.5. Emergency number: +33 (0) 1 45 42 59 59 / Deutschland: 112 / UK: 999 / USA: 911

2. SECTION: POSSIBLE DANGERS

2.1. Classification of the substance or mixture:

Regulation No 1272/2008 (CLP):
According to Regulation No 1272/2008 (CLP) the product is not classified as dangerous.

2.2. Marking elements:

Regulation No 1272/2008 (CLP): Other

2.3. Other hazards:

The product does not meet the criteria for persistent, bioaccumulative and toxic (PBT) substances / very persistent and very bioaccumulative (vPvB). Due to its presentation in the form of pellets, the product generates no (or little) dust; the risk of irritation to the eyes, respiratory tract or skin is therefore negligible.
eyes, respiratory tract or skin are therefore unlikely.
The product may be harmful if swallowed.

3. SECTION: COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances:

Not affected

3.2. Mixtures:

Chemical description: Anionic dye (C.I. Acid Blue 9 - CAS No. 2650-18-2) + additives.

Components:

None of the substances making up the mixture exceeds the levels laid down in Annex II to Regulation (EC) No 1907/2006.

4. SECTION: FIRST AID MEASURES

4.1. Description of first aid measures:

If in doubt or if symptoms persist, seek medical advice.

4.1.1. By inhalation:

Due to the tablet form of the product, the risk of inhalation is unlikely.

If symptoms occur, remove affected person to fresh air. Consult a doctor if symptoms worsen or persist.

4.1.2. In case of skin contact:

Take off contaminated clothes and shoes. Wash them before reuse.

In case of contact, it is recommended to rinse the affected area with water and neutral soap. In case of skin symptoms (itching, redness, rash, blisters, etc.), consult a doctor with the safety data sheet.

4.1.3. In case of eye contact:

If necessary, remove the contact lenses first. Rinse immediately and abundantly with clear water. In case of complaints, consult a doctor, presenting this safety data sheet.

4.1.4. In case of ingestion / aspiration:

Rinse mouth with plenty of water and give water to drink. Do not induce vomiting. Do not give anything to a person who is unconscious. Consult a doctor in case of massive ingestion.

4.2. Most important symptoms and effects, both acute and delayed:

Skin: Possible temporary colouration.

Eyes: Possible discolouration and possible mild eye irritation, redness and pain.

Ingestion: May be harmful if ingested in large quantities.

4.3. Indications for immediate medical help or special treatment:

Symptomatic treatment.

5. SECTION: FIRE-FIGHTING MEASURES

5.1. Extinguishing media:

Non-flammable product under normal conditions of storage, handling and use. In case of fire it is possible to use any extinguishing agent (water spray, foam, dry powder, carbon dioxide CO₂).

Unsuitable extinguishing media: no restriction.

5.2. Special hazards arising from the substance or mixture:

May release toxic / irritant fumes (CO_x, NO_x, SO_x) in fire.

Exposure to these decomposition/combustion products may pose a health hazard.

5.3. Advice for firefighters:

Depending on the size of the fire, wear full protective clothing and personal breathing apparatus. A minimum of emergency equipment or intervention elements (blankets, flame retardants, first aid kit...) should be available according to Directive 89/654/EC.

Additional provisions:

Intervene according to the internal emergency plan and the leaflets on intervention in case of accidents and other emergencies. Remove all sources of ignition. In case of fire, cool the storage containers as high temperatures may cause the substance to ignite or explode. Avoid spilling products used to extinguish the fire in water environments.

6. SECTION: MEASURES IN THE EVENT OF ACCIDENTAL RELEASE

6.1. Personal precautions, protective equipment and emergency procedures:

Prohibit access for unauthorised / unprotected persons. Avoid contact with skin and eyes.

Personal protective equipment, including respiratory protection if necessary: see section 8.

6.2. Environmental precautions:

Product is not considered hazardous to the environment.

However, avoid massive discharges into drains, water sources (surface or underground) or soil. Keep contaminated water for disposal, according to local regulations. In case of significant dispersal / contamination, notify competent authorities, according to applicable local regulations.

6.3. Methods and material for containment and cleaning:

Pick up product and place in a container for disposal according to local / national regulations (see section 13). Remove residues with water + detergent (refrain from using solvents if possible).

6.4. Reference to other sections:

See sections 8 and 13.

7. SECTION: HANDLING AND STORAGE

7.1. Instructions for safe handling:

A.- Precautions for safe handling:

Comply with the legislation in force to prevent risks in the workplace. Provide ventilation around storage and exhaust in the work area. Wear suitable protective clothing. Avoid contact with skin and eyes.

B.- Technical recommendations for the prevention of fires and explosions:

Taking into account its flammability properties, the product does not present a fire risk under the conditions. Normal storage, handling and use.

C.- Technical recommendations for the prevention of toxicological risks:

Exposure controls see section 8. Do not eat, drink or smoke in work areas; Wash hands after each use; Remove contaminated clothing and protective equipment before restoring the work area.

D.- Technical recommendations to avoid environmental risks:

No special measures are required to avoid environmental risks. For more information see subsection 6.2.

7.2. Conditions for safe storage taking into account incompatibilities:

A.- Technical storage measures

Minimum temperature: 5 °C

Maximum temperature: 30 °C

Maximum storage time: 60 months

B.- General storage conditions

Avoid all sources of heat, radiation, static electricity and any contact with food. To obtain additional information see subsection 10.5.

Further information:

Store in the original packaging and protect from light, moisture, frost and heat.

Keep away from strong oxidising and reducing agents, strong acids and alkalis and food (human and animal).

Follow typical industrial hygiene practices when using chemicals. Keep away from children.

Keep away from heat/ignition sources and electrical sources. Do not smoke.

Avoid accumulation of electrostatic charges.

7.3. Specific end use(s):

With the exception of the indications already mentioned, no special recommendations for use of the product need to be followed.

8. SECTION: EXPOSURE CONTROL / PERSONAL PROTECTIVE EQUIPMENT

A.- General safety and hygiene measures at the workplace:



As a preventive measure, it is recommended to use basic personal protective equipment with the appropriate CE marking
 For further information on personal protective equipment (storage, use, cleaning, maintenance, protection class etc.) please refer to the information brochure of the protective equipment manufacturer. The formulated indications in this point refer to the pure product. The protective measures regarding the diluted product may vary depending on the product:

Degree of dilution, use, method of application, etc. To determine the obligation to install showers of safety and / or emergency eye wash in warehouses that comply with regulations on the storage of products applicable chemicals in each case. For more information, see subsections 7.1 and 7.2. All the information contained here is a recommendation to be specified by the prevention services.

B.- Respiratory protection:



Use of protective equipment is required if mist is formed or the exposure limit value is exceeded.



C.- Specific protection for the hands:

Pictogram		Marking	ECN standards	Observations
 Hand protection obligatory	Protective gloves against low risks			Replace the gloves when worn. In case of prolonged use of the product, it is recommended to use industrial CE III gloves, in compliance with EN 420 and EN 374 standards.

As the product is a mixture of different materials, the strength of the glove material cannot be calculated in advance with any reliability and must therefore be checked before use.

D.- Face and eye protection:

Pictogram		Marking	ECN standards	Observations
 Face protection mandatory	Laboratory goggles to protect against splashing of the liquid		EN 166: 2001 EN ISO 4007: 2018	Clean and disinfect daily. Regularly follow the instructions of the manufacturers.

E.- Body protection:				
Pictogram		Marking	ECN standards	Observations
	Workwear			Replace if there are signs of wear. For prolonged product exposure by professional / industrial users, it is recommended to use CE III, in compliance with EN ISO 6529: 2001, EN ISO 6530: 2005, EN ISO 13688: 2013, EN 464: 1994
	Work shoes non-slip		EN ISO 20347: 2012	Replace if there are signs of wear. For prolonged product exposure by professional / industrial users, it is recommended to use CE III, in compliance with EN ISO 20345 and EN 13832-1 standards.
F.- Additional emergency measures: It is not necessary to take additional emergency measures.				
Environmental exposure controls: In accordance with Community legislation on environmental protection, it is recommended that any spillage of the product, as well as its packaging, in the environment. For more information, see subsection 7.1.D.				

9. SECTION: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Physical state at 20 °C:	Solid
Appearance	Pastilles
Colour	Blue
Smell	Odourless
Odour threshold:	Not relevant*
Volatility:	
Boiling point at atmospheric pressure:	Not relevant*
Pressure at 20°	Not relevant*
Pressure at 50°	Not relevant*
Evaporation rate at 20°	Not relevant*
Product features:	Not relevant*
Density at 20°:	Not relevant*
Relative density at 20°	Not relevant*
Dynamic viscosity at 20°:	Not relevant*
Kinematic viscosity at 20°	Not relevant*
Kinematic viscosity at 40°	Not relevant*
Concentration:	Not relevant*
pH value:	3 – 5,5
Vapour density at 20°:	Not relevant*
Partition coefficient n-octanol / water at 20 °C:	Not relevant*
Solubility in water at 20 °C:	Not relevant*
Solubility property:	Soluble water
Decomposition temperature:	Not relevant*
Melting point / freezing point:	Not relevant*
Explosive properties:	Not relevant*
Oxidising properties:	Not relevant*
Flammability:	
Flash point:	Not affected
Flammability (solid, gaseous)	Not relevant*
Auto-ignition temperature:	Not relevant*
Lower flammability limit:	Not relevant*
Upper flammability limit:	Not relevant*
Explosivity:	
Lower explosion limit:	Not relevant*
Upper explosion limit:	Not relevant*
9.2. Other information:	
Surface tension at 20 °C: Not relevant* .	
Refractive index: Not relevant*	
Weight / Tablet: 1.25g	
* Not applicable due to the nature of the product / not relevant to the hazardous properties of the product.	

10. SECTION: STABILITY AND REACTIVITY

10.1. Reactivity:

No hazardous reactions are expected under normal conditions of storage, handling and use. See section 7.

10.2. Chemical stability:

Chemically stable under the specified storage, handling and use conditions.

10.3. Possibility of hazardous reactions:

Under normal conditions no dangerous reaction / polymerisation known.

10.4. Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction:	Contact with air:	Warming:	Sunlight:	Humidity:
Inapplicable	X	X	X	X

Packages opened and/or exposed to light, moisture, frost or heat.

10.5. Incompatible materials:

Acids	Water	Oxidising substances	Combustible substances	Others
Avoid strong acids	Not affected	Not affected	Not affected	Avoid strong alkalis or bases

Keep away from strong oxidising and reducing agents, strong acids and alkalis.

10.6. Hazardous decomposition products:

None to our knowledge under normal conditions of use.

May release toxic / irritant fumes (COx, NOx, SOx) in case of fire.

11. SECTION: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Oral LD50 > 2000 mg / kg (rat)

Hazardous health effects:

In case of repeated or prolonged exposure or at concentrations above the exposure limits

occupational health effects may occur depending on the type of exposure:

A- Ingestion (acute effects):

- Acute toxicity: Based on available data, the classification criteria are not met.
- Corrosion/irritation: Based on available data, the classification criteria are not met.

B- Inhalation (acute effects):

- Acute toxicity: Based on available data, the classification criteria are not met.
- Corrosion/irritation: Based on available data, the classification criteria are not met.

C- Contact with skin and eyes (acute effects):

- Skin contact: Based on available data, the classification criteria are not met.
- Eye contact: Based on available data, the classification criteria are not met.

D- CMR effects (carcinogenic, mutagenic and toxic for reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met.

IARC: Not relevant

- Mutagenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Based on available data, the classification criteria are not met.

E- Sensitisation effects:

- Respiratory: Based on available data, the classification criteria are not met.
- Dermal: Based on available data, the classification criteria are not met.

F- Toxicity to specific target organs (STOT) - Exposure time:

Based on available data, the classification criteria are not met.

G- Specific target organ toxicity (STOT) - repeated exposure:

- Specific target organ toxicity (STOT) - repeated exposure: Based on available data, the criteria for classification are not met

- Skin: Based on available data, the classification criteria are not met.

H-Aspiration hazard:

Based on available data, the classification criteria are not met.

When handled and used properly, the product has no adverse health effects according to our experience and the information available to us.
Due to its presentation in tablet form, the product produces no (or little) dust; the risk of irritation to the eyes, respiratory tract or skin are therefore unlikely.
However, the product may prove harmful to health if swallowed.

Substance-specific toxicological information:

▪ Information on Acid Blue 9 (CAS No. 2650-18-2):

Acute toxicity: Oral LD50 > 2000 mg/kg (rat).

Irritation: Skin (rabbit): Non-irritant

Eyes (rabbit): May cause mild eye irritation

Sensitisation: No sensitising effect known

Carcinogenic effects: IARC / NTP / OSHA / ACGIH: Not listed.

Chronic effects on repeated administration: No known effect

12. SECTION: ENVIRONMENTAL DISCLOSURES

No experimental data on the ecotoxicological properties of the product are available.

12.1. Toxicity:

Information on Acid Blue 9 (CAS No. 2650-18-2):

Acute toxicity: Fish: LC50 = 655 mg/l (Pimephales promelas)

12.2. Persistence and degradability:

Biodegradability: 77%

AOX (Adsorbable Organic Halogen or Adsorbable Organic Halogen): 0%

12.3. Bioaccumulative potential: No data available.

12.4. Mobility in soil: No data available.

12.5. Results of PBT and vPvB assessment:

The product does not meet the criteria for persistent, bioaccumulative and toxic (PBT) substances / very persistent and very bioaccumulative (vPvB).

12.6. Other adverse effects:

Water-soluble product with strong colouring power: Avoid uncontrolled release into the environment (soil, water, sewage system, etc.).

13. SECTION: NOTES ON DISPOSAL

Description:

It is not possible to assign a specific code, as this depends on the intended use and the consignee.

Type of waste (Regulation (EU) No 1357/2014): Non-hazardous

Type of waste (Regulation (EU) No 1357/2014):

Not relevant

Waste management (disposal and assessment):

Consult competent waste management authority for assessment and disposal according to Annex 1 and Annex 2.

(Directive 2008/98/EC). According to codes 15 01 (2014/955 / EU), if the packaging comes into contact with the product, it should be treated as for the product itself, otherwise it should be treated as non-waste.

It is strongly recommended not to pour it into streams. See subsection 6.2.

Waste treatment provisions:

According to Annex II of Regulation (EC) No 1907/2006 (REACH),

Community or national provisions must be applied for waste treatment.

Community legislation: Directive 2008/98/EC, 2014/955/EC, Regulation (EU) No 1357/2014.

14. SECTION: TRANSPORT INFORMATION

This product is not subject to transport regulations (ADR / RID, IMDG, IATA).

15. SECTION: LEGAL PROVISIONS

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

Substances subject to authorisation according to Regulation (EC) 1907/2006 (REACH): Not relevant

Substances listed in Annex XIV of REACH (Authorisation List) and expiry date: Not relevant.

Regulation (EC) 1005/2009 on substances that deplete the ozone layer: Not relevant

Article 95, REGULATION (EU) No 528/2012: Not relevant

REGULATION (EU) No 649/2012 concerning the export and import of dangerous chemicals: Not relevant

Seveso III:

Not relevant

Restrictions on the marketing and use of certain dangerous substances and mixtures (Annex

XVII RANGE, etc.):

Not relevant

Special provisions for the protection of man or the environment:

It is recommended that the information collected in this safety data sheet be used as a starting point for

a risk assessment of local conditions with the aim of determining the necessary measures to prevent risks during handling, use, storage and disposal.

risks during handling, use, storage and disposal of the product.

Other legislation:

Communication of 06.04.14 (JORF n ° 0082) to manufacturers, importers and downstream users, which has new information

likely to lead to a change in the elements of the harmonised classification and labelling of a chemical substance. Decree

No. 2012-530 of 19 April 2012 on the placing on the market and control of substances and mixtures, adaptation to European law

and sanctions regime. Chemical risks: Article L 44111 et seq. of the Labour Code No. 2011828 of 11 July 2011.

with various provisions on waste prevention and management. Decree No. 20101579 of 17 December 2010.

with various provisions for adaptation to EU law in the field of waste. Article 256 of Act no.

2010788 of 12 July 2010 with a national obligation for the environment.

Decree of 03 October 2012 published in the JORF of 06.

November 2012 Decree defining the content of the application file for the phase-out of waste status. Decree no. 2012602 of 30 April

2012 on the procedure for exit from waste status. General principles of prevention, articles L 41211 et seq. of the French

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CLASSIFIED FACILITIES (Seveso III) Article Annex (3) to Article R 5119 of the Environmental Code.

Other information:

The product does not yet contain any substance that is not on the SVHC list.

15.2. Chemical safety assessment:

The supplier has not carried out a chemical safety assessment.

16. SECTION: OTHER INFORMATION

Legislation applicable to safety data sheets:

This safety data sheet has been prepared in accordance with ANNEX II
Guidance on the compilation of safety data sheets.

Safety data of Regulation (EC) No 1907/2006 (Regulation (EU) No 2015/830).

Translated from the French: Jens Kestler

Changes compared to the previous safety data sheet with impact on risk
management measures:

Not relevant

Legal texts in section 3:

The phrases listed do not refer to the product itself, they are for information
only and refer to the components

Persons appearing in section 3

Regulation 1272/2008 (CLP):

Not relevant

Classification procedure:

Not relevant

Training advice:

Minimum training in occupational risk prevention is recommended for
personnel handling this
product, with the aim of facilitating the understanding and interpretation of this
safety data sheet in the same way as

Product labelling.

Main sources of documentation:

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

Abbreviations and acronyms:

-ADR: European Agreement concerning the International Carriage of
Dangerous Goods by Road.

-IMDG: International Maritime Dangerous Goods Code

-IATA: International Air Transport Association

-ICAO: International Civil Aviation Organization

-DCO: Chemical Oxygen Demand

-BSB5: Biological oxygen demand after 5 days

-FBC: Bioconcentration factor

-DL50: Lethal dose 50

-CL50: Lethal Concentration 50

-CE50: Effective concentration 50

-Log Pow: Octanol / water partition coefficient