



DETECT 2 COLORANT

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Date of issue: 06-12-19 Revision date: 06-12-19 Supersedes: 05-08-19 Version: 0.1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : DETECT 2 COLORANT
Product code : OL22329

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

1.2.1. Relevant identified uses

Main use category : Professional use
Industrial/Professional use spec : For professional use only

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

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B-1348 Louvain-la-Neuve - Belgium
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1.4. Emergency telephone number

Emergency number : Int+32-70-245.245

Country	Organisation/Company	Address	Emergency number	Comment
	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn B -1120 Brussels	+32 70 245 245	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements : EUH210 - Safety data sheet available on request.
UFI : HQW8-E04H-100M-T3HX

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Citric acid monohydrate	(CAS-No.) 5949-29-1 (EC-No.) 201-069-1	1 - 5	Eye Irrit. 2, H319

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If on skin, take off contaminated clothing. If you feel unwell, seek medical advice (show the label where possible).

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First-aid measures after inhalation	: Assure fresh air breathing.
First-aid measures after skin contact	: Wash with plenty of water/.... Seek medical attention if ill effect or irritation develops.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking, tears or redness persist.
First-aid measures after ingestion	: Rinse mouth.

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

Symptoms/effects after inhalation	: Cough.
Symptoms/effects after skin contact	: Irritating to skin.
Symptoms/effects after eye contact	: Redness, pain.
Symptoms/effects after ingestion	: Abdominal pain, nausea.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Carbon dioxide. Alcohol resistant foam. Dry powder.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Not flammable.
Hazardous decomposition products in case of fire	: Carbon monoxide. Carbon dioxide.

5.3. Advice for firefighters

Precautionary measures fire	: Wear proper protective equipment.
Firefighting instructions	: Exercise caution when fighting any chemical fire.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Ensure adequate ventilation.
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6.1.1. For non-emergency personnel

Protective equipment	: Personal protection. See Heading 8.
Emergency procedures	: Evacuate area.

6.1.2. For emergency responders

Protective equipment	: Personal protection. See Heading 8. Equip cleanup crew with proper protection.
Emergency procedures	: Mark the danger area. Stop leak if safe to do so.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment	: Dike for recovery or absorb with appropriate material.
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Use suitable disposal containers. Rinse with plenty of water.
Other information	: Never return spills in original containers for possible later re-use.

6.4. Reference to other sections

See Heading 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Do not breathe aerosols. Handle in accordance with good industrial hygiene and safety procedures. Do not smoke.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Provide for a tub to collect spills.
Storage conditions	: Keep container closed when not in use. Keep only in the original container. Keep in a cool, well-ventilated place. Keep away from : Heat sources.
Storage temperature	: 4 - 25 °C
Heat and ignition sources	: Keep away from sources of ignition - No smoking.
Information on mixed storage	: Keep away from sources of ignition.
Packaging materials	: PEHD.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls:

Local exhaust and general ventilation must be adequate to meet exposure standards.

Personal protective equipment:

Gloves. Safety glasses. Protective clothing.

Materials for protective clothing:

Use chemically protective clothing.

Hand protection:

Use neoprene gloves

Eye protection:

Chemical goggles or safety glasses. Eye protection (standard EN 166)

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Combined gas/dust mask with filter type A/P2

Personal protective equipment symbol(s):



Thermal hazard protection:

No specific measures are necessary.

Environmental exposure controls:

Do not allow product to spread into the environment.

Other information:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. The equipment must be cleaned thoroughly after each use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: dark blue.
Odour	: No data available
Odour threshold	: Not determined
pH	: 2 - 2,5
Relative evaporation rate (butylacetate=1)	: The product has not been tested
Melting point	: The product has not been tested
Freezing point	: The product has not been tested
Boiling point	: The product has not been tested
Flash point	: (estimated value)
Auto-ignition temperature	: The product has not been tested
Decomposition temperature	: The product has not been tested
Flammability (solid, gas)	: Not applicable
Vapour pressure	: The product has not been tested
Relative vapour density at 20 °C	: No data available
Relative density	: 1,002 - 1,022
Solubility	: Material highly soluble in water.
Log Pow	: The product has not been tested
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

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Explosive properties	: No data available.
Oxidising properties	: Not applicable.
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable in use and storage conditions as recommended in item 7.

10.2. Chemical stability

Stable in use and storage conditions as recommended in item 7.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

Direct sunlight. High temperature.

10.5. Incompatible materials

This material may attack some forms of plastics and rubbers.

10.6. Hazardous decomposition products

In case of fire, corrosive and harmful gases come free. Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Citric acid monohydrate (5949-29-1)

LD50 oral rat	3000 mg/kg
Skin corrosion/irritation	: Not classified pH: 2 - 2,5
Serious eye damage/irritation	: Not classified pH: 2 - 2,5
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)

Citric acid monohydrate (5949-29-1)

NOAEL, oral, rat	1200 mg/kg bw/day (24 months)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Not determined.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

Citric acid monohydrate (5949-29-1)

LC50, Fish, <i>Leuciscus idus</i> (golden orfe)	440-760 mg/l (96 Hours)
EC50, daphnia, <i>Daphnia magna</i>	120 mg/l (72 Hours)
EC0, algae, <i>Scenedesmus quadricauda</i>	640 mg/l (7 days)
EC50, Bacteria, <i>Pseudomonas putida</i>	> 10000 mg/l

12.2. Persistence and degradability

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Persistence and degradability	The product has not been tested.
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Citric acid monohydrate (5949-29-1)	
Persistence and degradability	Biodegradable.
12.3. Bioaccumulative potential	
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Log Pow	The product has not been tested
Bioaccumulative potential	The product has not been tested.

Citric acid monohydrate (5949-29-1)	
Log Kow	-1,67
12.4. Mobility in soil	
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Mobility in soil	The product has not been tested

12.5. Results of PBT and vPvB assessment	
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This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

12.6. Other adverse effects	
Additional information	: No other effects known

SECTION 13: Disposal considerations

13.1. Waste treatment methods	
Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose in a safe manner in accordance with local/national regulations.
Product/Packaging disposal recommendations	: Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user	
Overland transport	Not regulated
Transport by sea	Not regulated
Air transport	Not regulated
Inland waterway transport	Not regulated

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Rail transport

Not regulated

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
	Date of issue	Modified	
	Revision date	Modified	
	Supersedes	Modified	
2.2	Label elements	Added	UFI
5.2	Fire hazard	Modified	
6.1	Emergency procedures	Modified	

Full text of H- and EUH-statements:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H319	Causes serious eye irritation.
EUH210	Safety data sheet available on request.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product