



SAFETY DATA SHEET

Jaundofiant Basic

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

1.1. Product identifier

Product name Jaundofiant Basic

Product number 106012

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

Identified uses Embalming Chemical

1.3. Details of the supplier of the safety data sheet

Supplier The MazWell Group Ltd.
Units 11/14-15 Ardglen Industrial Estate,
Whitchurch, Hampshire,
RG28 7BB, United Kingdom
+44 (0)1256-893883
+44 (0)1256-893868
enquiries@themazwellgroup.com

1.4. Emergency telephone number

Emergency telephone +44 (0)1256 893883 (Mon- Fri 9:00 am - 4:30 pm)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Muta. 2 - H341 Carc. 1B - H350 STOT SE 2 - H371 STOT SE 3 - H335

Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word Danger

Jaundofiant Basic

Hazard statements	<p>H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.</p> <p>H315 Causes skin irritation.</p> <p>H319 Causes serious eye irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H341 Suspected of causing genetic defects.</p> <p>H350 May cause cancer.</p> <p>H371 May cause damage to organs .</p> <p>H335 May cause respiratory irritation.</p>
Precautionary statements	<p>P201 Obtain special instructions before use.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER/ doctor.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
Supplemental label information	<p>EUH032 Contact with acids liberates very toxic gas.</p>
Contains	<p>Formaldehyde, Methanol, Sodium hydroxymethanesulphinate</p>
Supplementary precautionary statements	<p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P308+P313 IF exposed or concerned: Get medical advice/ attention.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P330 Rinse mouth.</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P405 Store locked up.</p>

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Jaundofiant Basic

Formaldehyde		10 - <25%
CAS number: 50-00-0	EC number: 200-001-8	
Classification		
Acute Tox. 3 - H301		
Acute Tox. 3 - H311		
Acute Tox. 3 - H331		
Skin Corr. 1B - H314		
Eye Dam. 1 - H318		
Skin Sens. 1 - H317		
Muta. 2 - H341		
Carc. 1B - H350		
STOT SE 3 - H335		
Methanol		5 - <10%
CAS number: 67-56-1	EC number: 200-659-6	REACH registration number: 01-2119433307-44-XXXX
Classification		
Flam. Liq. 2 - H225		
Acute Tox. 3 - H301		
Acute Tox. 3 - H311		
Acute Tox. 3 - H331		
STOT SE 1 - H370		
Sodium hydroxymethanesulphinate		2.5 - <3%
CAS number: 149-44-0	EC number: 205-739-4	REACH registration number: 01-2119487952-23-XXXX
Classification		
Muta. 2 - H341		
Repr. 2 - H361		

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Get medical attention immediately.
Ingestion	Rinse nose and mouth with water. Do not induce vomiting unless under the direction of medical personnel. Get medical attention immediately.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention immediately.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

Jaundofiant Basic

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Suspected of causing genetic defects. May cause cancer. The product contains a sensitising substance.
Inhalation	May cause respiratory irritation. Harmful if inhaled. Symptoms following overexposure may include the following: Headache. Nausea, vomiting.
Ingestion	Harmful if swallowed. May cause stomach pain or vomiting. Ingestion of large amounts may cause unconsciousness.
Skin contact	Harmful in contact with skin. Irritating to skin. May cause an allergic skin reaction.
Eye contact	May cause blurred vision and serious eye damage. Redness. Pain.

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

Notes for the doctor	Treat symptomatically.
-----------------------------	------------------------

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Very toxic gases or vapours. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.
Hazardous combustion products	Carbon dioxide (CO ₂). Carbon monoxide (CO).

5.3. Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapours. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	No action shall be taken without appropriate training or involving any personal risk. Wear protective clothing as described in Section 8 of this safety data sheet. If ventilation is inadequate, suitable respiratory protection must be worn. Avoid inhalation of vapours and contact with skin and eyes.
-----------------------------	---

6.2. Environmental precautions

Environmental precautions	Avoid discharge into drains and the aquatic environment.
----------------------------------	--

6.3. Methods and material for containment and cleaning up

Jaundofiant Basic

Methods for cleaning up Eliminate all sources of ignition. Provide adequate ventilation. For personal protection, see Section 8. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Dispose of contents/container in accordance with national regulations.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Read and follow manufacturer's recommendations. Eye wash facilities and emergency shower must be available when handling this product. Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Use suitable respiratory protection if ventilation is inadequate.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product. Take off immediately all contaminated clothing and wash it before reuse. Wash promptly if skin becomes contaminated.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect containers from damage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

Formaldehyde

Long-term exposure limit (8-hour TWA): WEL 2 ppm 2.5 mg/m³

Short-term exposure limit (15-minute): WEL 2 ppm 2.5 mg/m³

Methanol

Long-term exposure limit (8-hour TWA): WEL 200 ppm 266 mg/m³

Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m³

Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

Methanol (CAS: 67-56-1)

DNEL

Workers - Inhalation; Long term systemic effects, local effects: 130 mg/m³

Workers - Inhalation; Short term systemic effects, local effects: 130 mg/m³

Workers - Dermal; Long term systemic effects: 20 mg/kg/day

Workers - Dermal; Short term systemic effects: 20 mg/kg/day

General population - Inhalation; Long term systemic effects, local effects: 26 mg/m³

General population - Inhalation; Short term systemic effects, local effects: 26 mg/m³

General population - Dermal; Long term systemic effects: 4 mg/kg/day

General population - Dermal; Short term systemic effects: 4 mg/kg/day

General population - Oral; Long term systemic effects: 4 mg/kg/day

General population - Oral; Short term systemic effects: 4 mg/kg/day

Jaundofiant Basic

PNEC	<p>Fresh water; 20.8 mg/l</p> <p>Fresh water, Intermittent release; 1540 mg/l</p> <p>marine water; 2.08 mg/l</p> <p>STP; 100 mg/l</p> <p>Sediment (Freshwater); 77 mg/kg</p> <p>Sediment (Marinewater); 7.7 mg/kg</p> <p>Soil; 100 mg/kg</p>
-------------	--

Linalool (CAS: 78-70-6)

DNEL	<p>Workers - Inhalation; Long term systemic effects: 2.8 mg/m³</p> <p>Workers - Inhalation; Short term systemic effects: 16.5 mg/m³</p> <p>Workers - Dermal; Long term systemic effects: 2.5 mg/kg/day</p> <p>Workers - Dermal; Short term systemic effects: 5 mg/kg/day</p> <p>Workers - Dermal; Long term local effects: 3 mg/cm²</p> <p>Workers - Dermal; Short term local effects: 3 mg/cm²</p> <p>General population - Inhalation; Long term systemic effects: 0.7 mg/m³</p> <p>General population - Inhalation; Short term systemic effects: 4.1 mg/m³</p> <p>General population - Dermal; Long term systemic effects: 1.25 mg/kg/day</p> <p>General population - Dermal; Short term systemic effects: 2.5 mg/kg/day</p> <p>General population - Dermal; Long term local effects: 1.5 mg/cm²</p> <p>General population - Dermal; Short term local effects: 1.5 mg/cm²</p> <p>General population - Oral; Long term systemic effects: 0.2 mg/kg/day</p> <p>General population - Oral; Short term systemic effects: 1.2 mg/kg/day</p>
PNEC	<p>Fresh water; 0.2 mg/l</p> <p>Fresh water, Intermittent release; 2 mg/l</p> <p>marine water; 0.02 mg/l</p> <p>STP; 10 mg/l</p> <p>Sediment (Freshwater); 2.22 mg/kg</p> <p>Sediment (Marinewater); 0.222 mg/kg</p> <p>Soil; 0.327 mg/kg</p>

8.2. Exposure controls

Appropriate engineering controls	Provide adequate general and local exhaust ventilation. Use explosion-proof general and local exhaust ventilation.
Eye/face protection	Wear tight-fitting, chemical splash goggles or face shield. Personal protective equipment for eye and face protection should comply with European Standard EN166.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. To protect hands from chemicals, gloves should comply with European Standard EN374.
Other skin and body protection	Wear suitable protective clothing as protection against splashing or contamination.
Hygiene measures	Do not eat, drink or smoke when using this product. Eye wash facilities and emergency shower must be available when handling this product. Wash promptly if skin becomes contaminated.

Jaundofiant Basic

Respiratory protection	Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked.
Environmental exposure controls	Keep container tightly sealed when not in use. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Colourless.
Odour	Pungent.
Odour threshold	Not available.
pH	pH (concentrated solution): 9-10
Melting point	Not available.
Initial boiling point and range	91-93°C @ 760 mm Hg
Flash point	62°C Closed cup.
Evaporation rate	< 1 (butyl acetate = 1)
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 7 % Upper flammable/explosive limit: 73 %
Vapour pressure	Not available.
Vapour density	> 1
Relative density	1.05-1.06 @ 20°C
Solubility(ies)	Soluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Not available.
Explosive properties	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Volatility	99 %
-------------------	------

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	See the other subsections of this section for further details.
-------------------	--

10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
------------------	---

10.3. Possibility of hazardous reactions

Jaundofiant Basic

Possibility of hazardous reactions May polymerise. The following materials may react with the product: Strong oxidising agents.

10.4. Conditions to avoid

Conditions to avoid Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong reducing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) Harmful if swallowed.

ATE oral (mg/kg) 376.29

Acute toxicity - dermal

Notes (dermal LD₅₀) Harmful in contact with skin.

ATE dermal (mg/kg) 1,128.86

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Harmful if inhaled.

ATE inhalation (gases ppm) 3,731.54

ATE inhalation (vapours mg/l) 38.38

Skin corrosion/irritation

Summary Causes skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Suspected of causing genetic defects.

Carcinogenicity

Carcinogenicity May cause cancer.

IARC carcinogenicity

Contains a substance/a group of substances which may cause cancer. IARC Group 1
Carcinogenic to humans.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development

Based on available data the classification criteria are not met.

Jaundofiant Basic

Specific target organ toxicity - single exposure

Summary	May cause respiratory irritation.
STOT - single exposure	Based on available data the classification criteria are not met.
Target organs	Respiratory system, lungs

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Based on available data the classification criteria are not met.
---------------------------------	--

Aspiration hazard

Aspiration hazard	Based on available data the classification criteria are not met.
--------------------------	--

General information

May cause cancer after repeated exposure. Risk of cancer depends on duration and level of exposure. May cause genetic defects. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

A single exposure may cause the following adverse effects: Headache. Exhaustion and weakness.

Ingestion

May cause discomfort if swallowed. Stomach pain. Nausea, vomiting.

Skin contact

May cause skin sensitisation or allergic reactions in sensitive individuals. Redness. Irritating to skin.

Eye contact

Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.

Route of exposure

Ingestion Inhalation Skin and/or eye contact

Target organs

Respiratory system, lungs

Medical considerations

Skin disorders and allergies.

Toxicological information on ingredients.

Formaldehyde

Acute toxicity - oral

Notes (oral LD₅₀) Toxic if swallowed.

ATE oral (mg/kg) 100.0

Acute toxicity - dermal

Notes (dermal LD₅₀) Toxic in contact with skin.

ATE dermal (mg/kg) 300.0

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Toxic if inhaled.

ATE inhalation (gases ppm) 700.0

Skin corrosion/irritation

Animal data Dose: 1 mL, 20 hours, Rabbit Erythema/eschar score: Moderate to severe erythema (3). Oedema score: Moderate oedema - raised approximately 1 mm (3). REACH dossier information. Corrosive to skin.

Serious eye damage/irritation

Jaundofiant Basic

Serious eye damage/irritation	Corrosive to skin. Corrosivity to eyes is assumed. Causes serious eye damage.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Mouse: Not sensitising. REACH dossier information. Based on available data the classification criteria are not met.
<u>Skin sensitisation</u>	
Skin sensitisation	Local Lymph Node Assay (LLNA) - Mouse: Sensitising. REACH dossier information. Epidemiological studies have shown evidence of skin sensitisation.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	DNA damage and/or repair: Positive. REACH dossier information. Suspected of causing genetic defects.
Genotoxicity - in vivo	DNA-protein cross-links (DPC): Positive. REACH dossier information. Suspected of causing genetic defects.
<u>Carcinogenicity</u>	
Carcinogenicity	NOAEC 15 ppm, Inhalation, Mouse May cause cancer.
IARC carcinogenicity	IARC Group 1 Carcinogenic to humans.
NTP carcinogenicity	Known human carcinogen.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Developmental toxicity: - NOAEC: 10 ppm, Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	STOT SE 3 - H335 May cause respiratory irritation.
Target organs	Respiratory system, lungs
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	LOAEL 82 mg/kg/day, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.
<u>Aspiration hazard</u>	
Aspiration hazard	Not anticipated to present an aspiration hazard, based on chemical structure.

Methanol

<u>Acute toxicity - oral</u>	
Notes (oral LD₅₀)	International Programme on Chemical Safety (IPCS) (1997) Environmental Health Criteria 196: Methanol. Geneva, World Health Organization. Toxic if swallowed.
ATE oral (mg/kg)	100.0
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	Converted acute toxicity point estimate (cATpE) Toxic in contact with skin.
ATE dermal (mg/kg)	300.0
<u>Acute toxicity - inhalation</u>	

Jaundofiant Basic

Notes (inhalation LC₅₀)	Converted acute toxicity point estimate (cATpE) Toxic if inhaled.
ATE inhalation (vapours mg/l)	3.0
<u>Skin corrosion/irritation</u>	
Animal data	Dose: 2.5cm x 2.5cm, 20 hours, Rabbit Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). Not irritating.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Dose: 0.05 ml, 24 hours, Rabbit Not irritating.
<u>Skin sensitisation</u>	
Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	STOT SE 1 - H370
Target organs	Eyes Central nervous system

Sodium hydroxymethanesulphinate

<u>Acute toxicity - oral</u>	
Notes (oral LD₅₀)	LD ₅₀ >5000 mg/kg, Oral, Rat
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	LD ₅₀ >2000 mg/kg, Dermal, Rat
<u>Skin corrosion/irritation</u>	
Animal data	Dose: 2000 mg/kg, 24 hours, Rat Not irritating.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Dose: 0.1 g, 24 hours, Rabbit Not irritating.
<u>Skin sensitisation</u>	
Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising.
<u>Germ cell mutagenicity</u>	
Summary	Suspected of causing genetic defects.
Genotoxicity - in vitro	Gene mutation: Positive.
Genotoxicity - in vivo	Chromosome aberration: Positive.
<u>Reproductive toxicity</u>	
Summary	Suspected of damaging fertility or the unborn child.
Reproductive toxicity - fertility	Screening - NOAEL 1000 mg/kg/day, Oral, Rat P
<u>Aspiration hazard</u>	
Aspiration hazard	Not relevant.

Alcohols, C9-11, ethoxylated

Acute toxicity - oral

Jaundofiant Basic

Notes (oral LD₅₀)	Harmful if swallowed.
ATE oral (mg/kg)	500.0
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	LD ₅₀ >2000 mg/kg, Dermal, Rat REACH dossier information. Based on available data the classification criteria are not met.
<u>Skin corrosion/irritation</u>	
Animal data	Dose: 0.5 mL, 4 hours, Rabbit Erythema/eschar score: Very slight erythema - barely perceptible (1). Oedema score: No oedema (0). REACH dossier information. Based on available data the classification criteria are not met.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Causes serious eye damage.
<u>Skin sensitisation</u>	
Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information. Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Two-generation study - NOAEL >250 mg/kg/day, Dermal, Rat P, F1 REACH dossier information. Based on available data the classification criteria are not met.
Reproductive toxicity - development	Developmental toxicity:, Maternal toxicity: - NOAEL: >250 mg/kg/day, Dermal, Rat REACH dossier information. Based on available data the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity Aquatic toxicity is unlikely to occur. However, large or frequent spills may have hazardous effects on the environment.

Ecological information on ingredients.

Formaldehyde

Toxicity	Based on available data the classification criteria are not met.
<u>Acute aquatic toxicity</u>	
Acute toxicity - fish	LC ₅₀ , 96 hours: 6.7 mg/l, Striped bass (<i>Morone saxatilis</i>)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 5.8 mg/l, <i>Daphnia pulex</i>
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 3.48 mg/l, <i>Scenedesmus subspicatus</i>

Methanol

Acute aquatic toxicity

Jaundofiant Basic

Acute toxicity - fish	LC ₅₀ , 96 hours: 15400 mg/l, <i>Lepomis macrochirus</i> (Bluegill) EC ₅₀ , 96 hours: 12700 mg/l, <i>Lepomis macrochirus</i> (Bluegill)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 96 hours: 18260 mg/l, <i>Daphnia magna</i>
Acute toxicity - aquatic plants	EC ₅₀ , 96 hours: ~ 22000 mg/l, <i>Pseudokirchneriella subcapitata</i>
Acute toxicity - microorganisms	IC ₅₀ , 3 hours: >1000 mg/l, Activated sludge
<u>Chronic aquatic toxicity</u>	
Chronic toxicity - fish early life stage	NOEC, 200 hours: 7900 mg/l, <i>Oryzias latipes</i> (Red killifish) Weight of evidence.

Sodium hydroxymethanesulphinate

<u>Acute aquatic toxicity</u>	
Acute toxicity - fish	LC ₅₀ , 96 hours: >10000 mg/l, <i>Leuciscus idus</i> (Golden orfe)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: >100 mg/l, <i>Daphnia magna</i>
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 220 mg/l, <i>Desmodesmus subspicatus</i>
Acute toxicity - microorganisms	EC ₅₀ , 4 hours: >1000 mg/l, Activated sludge
<u>Chronic aquatic toxicity</u>	
Chronic toxicity - fish early life stage	NOEC, 35 days: 13.5 mg/l, <i>Brachydanio rerio</i> (Zebra Fish)
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 5.6 mg/l, <i>Daphnia magna</i>

Alcohols, C9-11, ethoxylated

Toxicity	Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.
<u>Acute aquatic toxicity</u>	
Acute toxicity - fish	LC ₅₀ , 96 hours: 5-7 mg/l, <i>Oncorhynchus mykiss</i> (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 2.5 mg/l, <i>Daphnia magna</i>
Acute toxicity - aquatic plants	EC ₅₀ , 96 hours: 1.4 mg/l, <i>Selenastrum capricornutum</i>
<u>Chronic aquatic toxicity</u>	
Chronic toxicity - fish early life stage	NOEC, 30 days: 0.11-0.28 mg/l, <i>Pimephales promelas</i> (Fat-head Minnow)
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 0.77 mg/l, <i>Daphnia magna</i>

12.2. Persistence and degradability

Persistence and degradability The degradability of the product is not known.

Jaundofiant Basic

Ecological information on ingredients.

Formaldehyde

Persistence and degradability	The product is biodegradable.
Phototransformation	Water - DT ₅₀ : 1.7 days Estimated value.

Methanol

Phototransformation	Air - DT ₅₀ : 17.2 days
Biodegradation	Water - Degradation (95%): 20 days Water - Degradation (91%): 15 days Water - Degradation (88%): 10 days Water - Degradation (76%): 5 days The substance is readily biodegradable.

Sodium hydroxymethanesulphinate

Biodegradation	Water - Degradation 77%: 28 days
-----------------------	----------------------------------

Alcohols, C9-11, ethoxylated

Persistence and degradability	The product is readily biodegradable.
Biodegradation	Water - Degradation 72%: 28 days

12.3. Bioaccumulative potential

Bioaccumulative potential	No data available on bioaccumulation.
Partition coefficient	Not available.

Ecological information on ingredients.

Formaldehyde

Bioaccumulative potential	BCF: <1, Litopenaeus stylirostris (blue shrimp) : ,
Partition coefficient	log Pow: 0.35

Methanol

Bioaccumulative potential	BCF: 4.5, Cyprinus carpio (Common carp)
Partition coefficient	log Pow: -0.77

Sodium hydroxymethanesulphinate

Partition coefficient	log Pow: <0.3
------------------------------	---------------

Alcohols, C9-11, ethoxylated

Bioaccumulative potential	BCF: 237, Pimephales promelas (Fat-head Minnow) The product is not bioaccumulating.
----------------------------------	---

Jaundofiant Basic

Partition coefficient log Pow: 3.75

12.4. Mobility in soil

Mobility Mobile.

Ecological information on ingredients.

Formaldehyde

Mobility The product is soluble in water.

Adsorption/desorption coefficient - log Koc: 1.202 @ °C Estimated value.

Henry's law constant 0.034 Pa m³/mol @ 25°C

Surface tension 69.9 mN/m @ 25°C

Methanol

Mobility Mobile.

Adsorption/desorption coefficient Soil - Koc: 0.13-0.61 @ 6°C

Henry's law constant 0.461 Pa m³/mol @ 25°C

Sodium hydroxymethanesulphinate

Mobility Soluble in water.

Adsorption/desorption coefficient Soil - Log Koc: -5.565 @ 20°C

Alcohols, C9-11, ethoxylated

Mobility The product is soluble in water.

Surface tension 28.5 mN/m @ 20°C

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

Formaldehyde

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Methanol

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Sodium hydroxymethanesulphinate

Jaundofiant Basic

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Alcohols, C9-11, ethoxylated

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Empty containers must not be punctured or incinerated because of the risk of an explosion. The packaging must be empty (drop-free when inverted). Dispose of contents/container in accordance with national regulations.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations Health and Safety at Work etc. Act 1974 (as amended).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
EH40/2005 Workplace exposure limits.

Jaundofiant Basic

EU legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Commission Regulation (EU) No 2015/830 of 28 May 2015.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Classification abbreviations and acronyms	Acute Tox. = Acute toxicity Carc. = Carcinogenicity Eye Dam. = Serious eye damage Muta. = Germ cell mutagenicity Skin Irrit. = Skin irritation Skin Sens. = Skin sensitisation STOT SE = Specific target organ toxicity-single exposure
Classification procedures according to Regulation (EC) 1272/2008	Acute Tox. 4 - H312: Acute Tox. 4 - H332: Acute Tox. 4 - H302: Eye Dam. 1 - H318: STOT SE 3 - H335: Skin Irrit. 2 - H315: Skin Sens. 1 - H317: Muta. 2 - H341: Carc. 1B - H350: : Calculation method.
Training advice	Only trained personnel should use this material.
Revision comments	Revised formulation.
Revision date	24/09/2020
Revision	10
Supersedes date	31/07/2019
SDS number	653
Hazard statements in full	H225 Highly flammable liquid and vapour. H301 Toxic if swallowed. H302 Harmful if swallowed. H311 Toxic in contact with skin. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H331 Toxic if inhaled. H332 Harmful if inhaled. H335 May cause respiratory irritation. H341 Suspected of causing genetic defects. H350 May cause cancer. H361 Suspected of damaging fertility or the unborn child. H370 Causes damage to organs . H371 May cause damage to organs .

Jaundofiant Basic

Supplemental Precautionary Statements

Do not handle until all safety precautions have been read and understood. Avoid breathing vapour/ spray. Wash contaminated skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. IF exposed or concerned: Get medical advice/ attention. Call a POISON CENTER/ doctor. Call a POISON CENTRE/doctor if you feel unwell. Specific treatment (see medical advice on this label). If skin irritation occurs: Get medical advice/ attention. If skin irritation or rash occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash it before reuse. Store in a well-ventilated place. Keep container tightly closed. Store locked up.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.