

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

1.1. Product identifier

Product form : Mixture
Product name : Exposé[®] Caries Indicator

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Dental product

1.2.2. Uses advised against

Restrictions on use : For professional use only

1.3. Details of the supplier of the safety data sheet

Centrix, Inc.
770 River Road
Shelton, CT 06484
T (203) 929-5582
csorders@centrixdental.com, www.centrixdental.com

1.4. Emergency telephone number

Emergency number : +1 (800) 235-5862 or +1 (203) 929-5582

Country/Area	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

The mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008 (CLP).

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Not hazardous

2.2. Label elements

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

Not required :
Signal word (CLP) : None
Hazard statements (CLP) : None
Precautionary statements (CLP) : Not required

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Propylene glycol	CAS-No.: 57-55-6 EC-No.: 200-338-0	1-5	None
FD&C Blue No. 1 (Brilliant Blue FCF)	CAS-No.: 3844-45-9 EC-No.: 223-339-8	<1.0%	None
FD&C Red No. 3 (Erythrosine)	CAS-No.: 16423-68-0 EC-No.: 240-474-8	<1.0%	None

The exact concentrations are being withheld as a trade secret.

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : No harm anticipated from materials in quantities as packaged.
- First-aid measures after skin contact : Wash with soap and water. Remove contaminated clothing. If skin irritation develops and persists, seek medical attention.
- First-aid measures after eye contact : Flush out with copious amounts of water. Remove contact lenses, if present and easy to do. Seek medical attention if irritation persists.
- First-aid measures after ingestion : Rinse mouth with water. Do not induce vomiting, unless directed by medical professional. Obtain medical attention if irritation persists.

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

- Inhalation : None
- Skin : None
- Eyes : May cause mild transient irritation to eyes or skin upon direct contact.
- Ingestion : Ingestion of large quantities may cause gastrointestinal discomfort.
- Chronic symptoms : None known.

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 : Use extinguishing measures appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : No known restrictions

5.2. Special hazards arising from the substance or mixture

- Fire hazard : The product is not classified as flammable.

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Explosion hazard	: None known
Hazardous decomposition products in case of fire	: Thermal decomposition or combustion may produce: Carbon oxides (CO, CO ₂), Sulfur oxides, Nitrogen oxides, or other irritating or toxic fumes.

5.3. Advice for firefighters

Firefighting instructions	: Cool exposed containers with water spray. Prevent fire-fighting water from entering drains, surface waters, or groundwater where possible.
Protection during firefighting	: Wear self-contained breathing apparatus (SCBA) and full protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid eye contact. Wear appropriate protective clothing as described in Section 8. Exercise caution, as spilled material may create a slipping hazard.
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6.1.1. For non-emergency personnel

Protective equipment	: Wear gloves and eye personal protective equipment.
Emergency procedures	: Avoid contact with eyes, skin and clothing.

6.1.2. For emergency responders

Protective equipment	: No special emergency procedures are required.
Emergency procedures	: Use appropriate personal protective equipment for the conditions of the spill.

6.2. Environmental precautions

Avoid release to the environment. Prevent large quantities from entering drains, surface waters, or soil. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment	: Absorb with inert absorbent material such as sand, earth, vermiculite, or universal absorbent. Collect spilled material in a suitable container for disposal.
Methods for cleaning up	: Wash the affected area with water after material removal.
Other information	: Dispose of waste in accordance with local, regional, and national regulations.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Avoid contact with eyes, skin, or clothing. Wear protective clothing and personal protective equipment. Wash thoroughly after handling.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store in dry, cool, well-ventilated area. Keep container tightly closed. Store in original container.
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7.3. Specific end use(s)

Dental applications for professional use, only

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

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No EU occupational exposure limit values have been established for the mixture components at the concentrations present.

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

No special ventilation requirements under normal conditions of use. Use good industrial hygiene practices.

8.2.2. Personal protection equipment

Personal protective equipment:

Follow facility requirements on PPE procedures.

8.2.2.1. Eye and face protection

Eye protection:

Not normally required; safety glasses may be worn where splashing is possible. Use eye protection according to EN 166.

8.2.2.2. Skin protection

Skin and body protection:

Not normally required; protective gloves may be used for prolonged or repeated contact; EN 13034, EN 14605

Hand protection:

In case of repeated or prolonged contact wear gloves. Wear suitable gloves tested to EN374. Contact your glove supplier for selection assistance.

8.2.2.3. Respiratory protection

Respiratory protection:

Not normally required during normal handling and use.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Blue
Appearance	: Liquid
Odour	: Odorless
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Approximately 100°C
Flammability	: Not flammable
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available

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pH	: 12.0 – 13.0
Viscosity, kinematic	: Not available
Solubility	: Completely miscible with water
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: Approximately 1.0 g/cc
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information**9.2.1. Information with regard to physical hazard classes**

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

The product is not expected to be reactive under normal conditions of storage and use. No dangerous reactions are known under normal handling conditions.

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

No hazardous reactions are known under normal conditions of use.

10.4. Conditions to avoid

Excessive heat, freezing, direct sunlight, or contamination

10.5. Incompatible materials

Strong oxidizing agents; strong acids and strong bases

10.6. Hazardous decomposition products

When heated to decomposition, the following may be generated: carbon monoxide, carbon dioxide, oxides of nitrogen, oxides of sulfur, or other irritating or toxic fumes

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Direct contact may cause temporary, mild eye irritation. (Based on available data, the classification criteria are not met)
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)

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STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : None known

11.2.2. Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not classified as hazardous to the aquatic environment.
Hazardous to the aquatic environment, short-term (acute) : No significant ecological effects are expected under normal conditions of use.
Hazardous to the aquatic environment, long-term (chronic) : Avoid unnecessary release to the environment.

12.2. Persistence and degradability

No data available for the mixture. Components are expected to be biodegradable.

12.3. Bioaccumulative potential

No data available for the mixture. Bioaccumulation is not expected to be significant.

12.4. Mobility in soil

The product is water soluble and may be mobile in soil and water systems.

12.5. Results of PBT and vPvB assessment

This mixture does not contain substances considered PBT or vPvB at reportable concentrations.

12.6. Endocrine disrupting properties

No known endocrine-disrupting properties requiring disclosure.

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.
Sewage disposal recommendations : Do not dispose of waste into sewer. Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Do not re-use empty containers. Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA
14.1. UN number or ID number		
Not regulated for transport		

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ADR	IMDG	IATA
14.2. UN proper shipping name		
Not regulated for transport		
14.3. Transport hazard class(es)		
Not regulated		
14.4. Packing group		
Not regulated		
14.5. Environmental hazards		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available		

14.6. Special precautions for user

No special precautions required

14.7. Maritime transport in bulk according to IMO instruments

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

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

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:

New SDS.

Abbreviations and acronyms:

ACGIH	American Conference of Government Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
COD	Chemical oxygen demand (COD)
CSA	Chemical safety assessment
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
ED	Endocrine disruptor
EN	European Standard
EWC	European waste catalogue
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
Log Kow	Partition coefficient n-octanol/water (Log Kow)
Log Pow	Partition coefficient n-octanol/water (Log Pow)
MAK	maximum workplace concentration
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration

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Abbreviations and acronyms:	
N.O.S.	Not Otherwise Specified
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
OSHA	Occupational Safety Health Administration
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
PPE	Personal protection equipment
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TF	Technical function
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
TWA	Time Weighted Average
VOC	Volatile Organic Compounds
vPvB	Very Persistent and Very Bioaccumulative
UFI	Unique Formula Identifier

Data sources : ECHA (European Chemicals Agency).

Full text of H- and EUH-statements:
None

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:
None

Safety Data Sheet (SDS), EU

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.