
MATERIAL SAFETY DATA SHEET

1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product Name:** Explore- Caries Detector Dye**Other Names:** N/A**Recommended Use:** Make conservative cavity access. Wash and dry carious dentine**Company name:** Safe Endo Dental India Pvt. Ltd.**Address:** A/6/2, Kamdhenu Industrial Estate, Gorwa, Vadodara-390016, Gujarat, India**Telephone:** +91 9904079977, +91 9429112320**E-Mail:** dirctor.safeendo@gmail.com**Website:** www.safeendo.org

2 - HAZARDS IDENTIFICATION**Hazard description :** Not applicable.**Information pertaining to particular dangers for man and environment :** The product does not have to be labeled due to the calculation procedure of international guidelines.**Classification system :** The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.**NFPA ratings (scale 0 - 4)**

Health = 0

Fire = 1

Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = 0

Fire = 1

Reactivity = 0

GHS label elements

3 - COMPOSITION/INFORMATION ON INGREDIENTS

CAS	EC	Name	%
		Acid Rhodamine Dye in semi-aqueous base	

4 - FIRST AID MEASURES**After inhalation :** Supply fresh air; consult doctor in case of complaints**After skin contact :** Generally the product does not irritate the skin.**After eye contact :** Rinse opened eye for several minutes under running water.**After swallowing :** If symptoms persist consult doctor.

5 - FIRE-FIGHTING MEASURES

Suitable extinguishing agents : Use fire fighting measures that suit the environment.

Protective equipment : No special measures required.

6 - ACCIDENTAL RELEASE MEASURES

Person-related safety precautions : Not required.

Measures for environmental protection : Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

Measures for cleaning/collecting : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Additional information: No dangerous substances are released.

7 - HANDLING AND STORAGE

Handling :

Information for safe handling : No special measures required.

Information about protection against explosions and fires : No special measures required.

Storage :

Requirements to be met by storerooms and receptacles : Store in a cool location (2-25°C).

Information about storage in one common storage facility : Not required.

Further information about storage conditions : None

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical systems : No further data; see item 7.

Components with limit values that require monitoring at the workplace: 57-55-6 propane-1,2-diol WEEL 10 mg/m³

Additional information : The lists that were valid during the creation were used as basis.

Personal protective equipment :

General protective and hygienic Measures : The usual precautionary measures for handling chemicals should be followed.

Breathing equipment : Not required.

Protection of hands : The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves : The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application

Penetration time of glove material : The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Eye protection : Goggles recommended during refilling.

9 - PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form : Liquid

Color : Red

Odor : Odorless

Change in condition

Melting point/Melting range : -68 °C (propane-1,2-diol)

Boiling point/Boiling range : 185 °C (propane-1,2-diol)

Flash point: : 101 °C (propane-1,2-diol)

Ignition temperature : 371.0 °C (propane-1,2-diol)

Danger of explosion : Product does not present an explosion hazard

Explosion limits

Lower : 2.6 Vol % (propane-1,2-diol)

Upper : 12.6 Vol % (propane-1,2-diol)

Vapor pressure : 0.1 hPa (20°C, propane-1,2-diol)

Density : Not determined

Vapour density : Not applicable

Solubility in / Miscibility with Water : Fully miscible.

pH-value : 5.6

Segregation coefficient (n-octanol/water) : Not applicable

10 - STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided : No decomposition if used and stored according to specifications
Incompatibility (Materials to Avoid): Strong oxidizing agents, strong bases

Dangerous reactions : No dangerous reactions known.

Dangerous products of decomposition: Carbon monoxide and carbon dioxide

11 - TOXICOLOGICAL INFORMATION

Acute toxicity:

Primary irritant effect:

on the skin : No irritant effect.

on the eye : No irritating effect

Sensitization : No sensitizing effects known

Additional toxicological Information : The product is not subject to classification according to internally approved calculation methods for Preparations When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 - ECOLOGICAL INFORMATION

General notes :

Water hazard class 1 (Self-assessment): slightly hazardous for Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 - DISPOSAL CONSIDERATIONS

Product:

Recommendation : Smaller quantities can be disposed of with household waste.

Un cleaned packaging:

Recommendation : Disposal must be made according to official regulations.

Recommended cleansing Agent : Water, if necessary with cleansing agents

14 TRANSPORT INFORMATION

DOT regulations:

Hazard class:

Land transport ADR/RID (cross-border):

ADR/RID class:

Maritime transport IMDG:

IMDG Class:

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: - UN "Model Regulation": -

15 - REGULATORY INFORMATION

Sara

Section 355 (extremely hazardous substances) : None of the ingredient is listed

Section 313 (Specific toxic chemical listings) : None of the ingredients is listed All ingredients are listed.

Proposition 65

Chemicals known to cause cancer : None of the ingredients is listed

Chemicals known to cause reproductive toxicity for females : None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males : None of the ingredients is listed.

Chemicals known to cause developmental Toxicity : None of the ingredients is listed

Product related hazard information : Observe the general safety regulations when handling chemicals. The product is not subject to identification regulations according to directives on hazardous

16 - OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The information contained herein is based on data considered accurate. However, No warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. In no event will the manufacture of the distributor be responsible for damages of any nature whatsoever resulting from the use of or reliance upon this information. General properties are to be regarded as guidelines and are not guaranteed for all samples