

MATERIAL SAFETY DATA SHEET

Prepared in accordance to article 31 of EU regulation 1907/2006/EC

1. Identification of the substance/preparation and of the company/undertaking

1.1. Product Name:	Xpert Green DNA Stain (20.000X)
1.2. Article Number:	GS01.0001 GS01s
1.3. Application of the preparation:	Laboratory chemicals, for research only
1.4. Manufacturer/Supplier:	GRiSP, LDA. Rua Alfredo Allen, 455 4200-135 PORTO, Portugal Tel: +351-220301599 Fax: +351-220301597 E-mail: info@grisp.pt Emergency: +351-808 250143 (Poison Information Centre, CIAV, Lisbon)

2. Hazards identification

Signal word:	Not hazardous
Health hazard:	Not hazardous
Physical hazards:	Not Hazardous

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or Directive 1999/45/EC:

To the present knowledge of GRiSP, Lda, this product does not contain any hazardous ingredients in quantities requiring reporting in this section, according to EU or national regulations. To our knowledge, this substance/preparation is not classified as hazardous according to EU, US or any known national regulations, and as such does not require an MSDS nor does it require labeling due to the calculations procedure of the "General Classification guideline for preparations of the EU" in the latest valid version. GRiSP recommends handling all chemicals with caution.

3. Composition/information on ingredients

Chemical Name	CAS-No	EINECS-No	% (w/v)
Xpert Green DNA Stain	-	-	<1%
Water	7732-18-5	-	>99%

4. First aid measures

- 4.1. General Information: No special measures required
- 4.2. Inhalation: Supply fresh air, consult a doctor/physician in case of complaints. If breathing is difficult, give oxygen.
- 4.3. Skin contact: Immediately wash skin with soap and flush with large amounts of water. Consult a doctor/physician if contact area remains irritated.
- 4.4. Eye contact: Immediately rinse opened eyes with large amounts of water during at least 15 minutes. Get medical attention in case eye(s) remain irritated
- 4.5. Ingestion: Rinse mouth with water, repeatedly. Consult a physician.
- 4.6. Notes to physician Treat symptomatically

5. Fire-fighting measures

- 5.1. Suitable extinguishing agents: CO₂, powder or water spray or appropriate foam.
- 5.2. Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
- 5.3. Special risks: N/A

6. Accidental release measures

- 6.1. Person-related safety measurements: Avoid breathing vapors, mist or gas. Use personal protective equipment. Exercise appropriate precautions to minimize direct contact with skin or eyes.
- 6.2. Environmental protection measurements: Dilute with plenty of water
Do not allow to enter sewers/surface or ground water
- 6.3. Cleaning Methods: Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.
- 6.4. Additional Information: No dangerous substances are released.

7. Handling and storage

- 7.1. Handling: No special handling required.
- 7.2. Storage: Keep tightly closed at 4°C.

8. Exposure controls/personal protection

Exposure Limits:	No known exposure limits.
8.1. Respiratory protection:	Not required
8.2. Hand protection:	For prolonged or repeated contact use protective gloves
8.3. Eye protection:	Safety goggles
8.4 Skin and body protection:	Appropriate protective clothing
8.. Hygiene measures:	Wash thoroughly after handling

9. Physical and chemical properties

9.1. Physical State:	Liquid
9.2. Appearance:	Orange
9.3. Odor:	Odorless
9.4. pH (25°C):	Undetermined
9.5. Flash Point:	No information available
9.6. Melting point:	Undetermined
9.7. Boiling point:	Undetermined
9.8. Self-ignition:	No information available
9.9. Danger of explosion.	No information available
9.10 Solubility in water:	Undetermined

10. Stability and reactivity

Stable. No dangerous reactions known under normal conditions. No hazardous decomposition products known. Hazardous polymerization does not occur.

11. Toxicological information

11.1 Acute toxicity: No information available

11.2 Principle Route of Exposure/Potential Health Effects

Inhalation:	May be harmful by inhalation
Eye contact:	May cause eye irritation
Skin contact:	May cause skin irritation
Ingestion:	May be harmful if swallowed

Carcinogenic Effects: None
 Mutagenic Effects: None

For detailed safety tests, please request safety test report

Reproductive Toxicity:	No information available
Sensitization:	No sensitizing effects known
Target Organ effects:	No effects known.

12. Ecological information

No data available. Do not allow undiluted product or large quantities of it to reach surface or ground water, nor enter sewage system.

13. Disposal considerations

Dispose in accordance to all Federal, State, and local environmental regulations.

14. Transport information

ADR/RID:	No class
IMDG:	No class
ICAO/IATA:	No class

15. Regulatory information

Labeling according to EU guidelines. Observe the general safety regulations when handling chemicals.
This product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials

16. Other information

The information mentioned above is based on our present knowledge and is believed to be correct. However, it shall only be used as a guide and shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. GRISP, LDA. shall not be held liable for any damage resulting from the handling or from contact with the above product. This MSDS has been prepared in accordance with EU directives 67/548/EEC, 91/155/EEC and other EU legislation in force.