



Material Safety Data Sheet

1 Identification of substance

- **Product details**
- **Component name:** XPLOREGEN SALIVA DNA EXTRACTION KIT (cat# XPSAD22)
- **Kit components:** XSA, XSA1, XSA2, XSA3, XSA4, XSA5, XSA6, XSA7, XSA8, XSA9
- **Manufacturer/Supplier:**
 Xploregen Discoveries Pvt. Ltd.
 3rd Floor, 401-4AB Cross, 1st Main,
 Kasturi Nagar, East of NGEF,
 Bengaluru - 560043, Karnataka, India.
 Mail: info@xplorengen.com
 Phone: +91 90355 65835
 For research use only. Not intended for human or animal diagnostic or therapeutic uses.

2 Hazards identification

- Signal Word : Non-Hazardous
- Health Hazards : Non-Hazardous
- Physical Hazards : Non-Hazardous
- **Principle Routes of Exposure/Potential Health effects**
- Eyes : May cause eye irritation in susceptible persons
- Skin : May cause skin irritation in susceptible persons
- Inhalation : Maybe harmful by inhalation
- Ingestion : Maybe harmful if swallowed
- **Other Effects**
- Carcinogenic Effects : None
- Mutagenic Effects : None
- Reproductive Toxicity : None
- Sensitization : None
- Target Organ Effects : No known effects under normal use conditions
- **HMIS**
- Health : 0
- Flammability : 0
- Reactivity : 0
- Personal Protection : C
- **Note:** C - Safety Glasses, Gloves, Synthetic Apron

Material Safety Data Sheet

Component name: XPLOREGEN SALIVA DNA EXTRACTION KIT

(Contd. of page 1)

- **Protective equipment:** Do not inhale explosion gases or combustion gases.

3 Accidental release measures

- **Person-related safety precautions:** Ensure adequate ventilation
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground PLANT.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

4 Handling and storage

- **Handling:**
- **Information for safe handling:** Keep receptacles tightly sealed.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **PLSrther information about storage conditions:** Keep receptacle tightly sealed.

5 Exposure controls and 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:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all and contaminated clothing. Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Protection of hands:** Protective gloves
- **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.
- **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:** Tightly sealed goggles

6 Physical and chemical properties

- **General Information**

Form:	Fluid
Color:	Orange
Odor:	Characteristic
- **Change in condition**
Melting point/Melting range: Undetermined.
Boiling point/Boiling range: 100°C (212°F)
- **Flash point:** Not applicable.
- **Auto igniting:** Product is not selfigniting.

(Contd. on page 2)



Material Safety Data Sheet

Component name: XPLOREGEN SALIVA DNA EXTRACTION KIT

(Contd. of page 2)

- **Danger of explosion:** Product does not present an explosion hazard.
- **Vapor pressure at 20°C (68°F):** 23 hPa (17 mm Hg)
- **Density at 20°C (68°F):** 0.991 g/cm³
- **Solubility in / Miscibility with PLANT:** fully miscible.
- **pH-value at 20°C (68°F):** 13.2

7 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions** Reacts with acids, alkalis and oxidizing agents.
- **Dangerous products of decomposition:** Danger of toxic pyrolysis products.

8 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** may be cause skin irritation
- **on the eye:** may be cause eye irritation
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

10 Disposal considerations

- **Product:**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging's:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** PLANT, if necessary, with cleansing agents.

11 Transport information

- **IATA**
- Proper shipping name: Not classified as dangerous in the meaning of transport regulations Hazard class : Not applicable
- Subsidiary Class : Not applicable
- Packing Group : Not applicable

(Contd. on page 4)



Material Safety Data Sheet

Component name: XPLOREGEN SALIVA DNA EXTRACTION KIT

(Contd. of page 3)

12 Regulations

- **Sara**
- **Section 313 (Specific toxic chemical listings):**
None of the ingredients is listed.
- **TSCA (Toxic Substances Control Act):**
- **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.
- **Carcinogen categories**
- **EPA (Environmental Protection Agency)**
None of the ingredients is listed.
- **IARC (International Agency for Research on Cancer)**
None of the ingredients is listed.
- **NTP (National Toxicology Program)**
None of the ingredients is listed.
- **TLV (Threshold Limit Value established by ACGIH)**
None of the ingredients is listed.
- **MAK (German Maximum Workplace Concentration)**
None of the ingredients is listed.
- **NIOSH-Ca (National Institute for Occupational Safety and Health)**
None of the ingredients is listed.
- **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.
- **Product related hazard informations:**
The product has been classified and marked in accordance with directives on hazardous materials.

(Contd. on page 5)

13 Additional information

MSDS prepared by: Xploregen Discoveries Pvt. Ltd.

For research use only.

Not intended for human or animal diagnostic or therapeutic uses. Disclaimer: The above information is based on our experience, knowledge, and diligent search. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. XPLOREGEN DISCOVERIES PVT. LTD SHALL NOT BE HELD LIABLE FOR WARRANTIES, DAMAGE RESULTING FROM HANDLING, OR FROM CONTACT WITH THE ABOVE PRODUCT OR RELIANCE UPON THIS INFORMATION.