

# MATERIAL SAFETY DATA SHEET

Last Updated : 1 Feb, 2024

## 1. PRODUCT AND COMPANY IDENTIFICATION

### ▪ PRODUCT DETAILS

Product code : 25363.200 / 25363.500 / 25363.1000

Product name : RealMOD™ Probe R<sup>2</sup> 2X qPCR mix (with UDG)

### ▪ COMPANY INFORMATION

iNtRON Biotechnology, Inc.

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

### ▪ CONTAINING : HAZARDOUS AND/OR REGULATED COMPONENTS

CHEMICAL NAME	CAS NO.	WEIGHT %	HAZARDOUS
Glycerol	56-81-5	5~15%	NO
N-tris hydroxymethyl clycine	5704-04-01	0.02~4%	NO
Potassium chloride	7447-40-7	1~10%	NO
Sodium chloride	7647-14-5	0.1~1%	NO
Tris	77-86-1	1~10%	NO
Magnesium chloride	7786-30-3	0.5~3%	NO

## 3. HAZARDS IDENTIFICATION

THE PRODUCT IS CLASSIFIED AND LABELLED IN ACCORDANCE WITH DIRECTIVE 1999/45/EC

CLASSIFICATION :

INDICATION OF DANGER :

Not hazardous

## 4. FIRST AID MEASURES

**GENERAL INFORMATION:** No special measures required.**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 MEDIA:** Solution**SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:**

Wear self-contained breathing apparatus and protective suit

## 6. ACCIDENTAL RELEASE MEASURES

**PERSON-RELATED SAFETY PRECAUTIONS:** Not required.**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 SAFETY 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:** No special requirements.  
**INFORMATION ABOUT STORAGE IN ONE COMMON STORAGE FACILITY:** Not required.  
**FURTHER INFORMATION ABOUT STORAGE CONDITIONS:** None.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE LIMITS:

#### **ENGINEERING MEASURES ENSURE ADEQUATE VENTILATION, ESPECIALLY IN CONFINED AREAS**

Personal protective equipment

Respiratory protection In case of insufficient ventilation wear suitable respiratory equipment

**Hand protection impervious gloves.**

Eye protection safety glasses with side-shields

**Skin and body protection Lightweight protective clothing.**

Hygiene measures Handle in accordance with good industrial hygiene and safety practice degradation.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **GENERAL INFORMATION**

**FORM:** Clear solution

**COLOR:** Colorless

**ODOR:** Odorless

#### **CHANGE IN CONDITION**

**MELTING POINT/MELTING RANGE :** N/A

**BOILING Point/BOILING RANGE :** N/A

**FLASH POINT:** N/A

## 10. STABILITY AND REACTIVITY

**THERMAL DECOMPOSITION/CONDITIONS TO BE AVOIDED:** No decomposition if used according to specification.

**DANGEROUS REACTIONS:** No dangerous reactions known.

**DANGEROUS PRODUCTS OF DECOMPOSITION:** No dangerous decomposition products known.

## 11. TOXICOLOGICAL INFORMATION

### **ACUTE TOXICITY**

#### **PRIMARY IRRITANT EFFECT:**

**ON THE SKIN:** Toxic in contact with skin. Components of the product may be absorbed into the body through the skin.

**ON THE EYE:** Risk of serious damage to eyes.

**SENSITIZATION:** No information available.

#### **ADDITIONAL TOXICOLOGICAL INFORMATION:**

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

## 12. ECOLOGICAL INFORMATION

### **GENERAL NOTES:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## 13. DISPOSAL CONSIDERATIONS

### **PRODUCT:**

#### **RECOMMENDATION:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

#### **UNCLEANED PACKAGINGS:**

**RECOMMENDATION:** Disposal must be made according to official regulations.

## 14. TRANSPORT INFORMATION

**"Not classified as dangerous"**

**PROPER SHIPPING NAME:** Not classified as dangerous in the meaning of transport regulations

**HAZARD CLASS:** No information available

**SUBSIDIARY CLASS:** No information available

**PACKING GROUP:** No information available

**UN-NO:** No information available

## 15. REGULATORY INFORMATION

**IN ACCORDANCE WITH LOCAL AND NATIONAL REGULATIONS, THE PREPARATION IS NON-DANGEROUS IN ACCORDANCE WITH DIRECTIVE 1999/45/EC.**

**INDICATION OF DANGER:** not hazardous

### **R-PHRASE(S)**

No information available

### **S-PHRASE(S)**

### **INTERNATIONAL INVENTORIES**

CHEMICAL NAME	EINECS	ELINCS	PICCS	ENCS
	Listed			
	TSCA	CHINA	AICS	KECL
		Listed		Listed

## 16. OTHER INFORMATION

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***End of Safety Data Sheet***