

# MATERIAL SAFETY DATA SHEET

Last Updated : 12 March, 2013

## 1. PRODUCT AND COMPANY IDENTIFICATION

### ▪ PRODUCT DETAILS

Product code : 17286, 17287, 17288, s17287  
Product name : MEGAquick-spin™ Total Fragment DNA Purification Kit

### ▪ COMPANY INFORMATION

iNtRON Biotechnology, Inc.  
Room 1007 Jungang Induspia V, Sangdaewon-Dong,  
Jungwon-Gu, Sungnam-Si, Gyunggi-Do, 462-120  
KOREA  
Tel. : +82-31-739-5737 Fax.: +82-31-739-5264

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

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

CHEMICAL NAME	CAS NO.	WEIGHT %	HAZARDOUS
Guanidine thiocyanate	593-84-0	30~50%	No
Tris	77-86-1	0.001~25%	No
Cresol Red Sodium Salt	62625-29-0	3~20%	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:** dry chemical  
**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:** None

**BOILING Point/BOILING RANGE:** None

**FLASH POINT:** None

## 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

IATA

**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**