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MSDS Information for:
Cat. #P-5009
QuantiSir™ Specific Gene Knockdown Quantification Kit for Transcription Factors

A Material Safety Data Sheet (MSDS) for the product as a whole is not required, as it is a kit consisting of individual components.

The following components are defined as hazardous (See MSDS page).

Q7 (Stop Solution)

The following components are defined as non-hazardous and do not require MSDS. The products do not contain any hazardous components above 1% or any carcinogens above 0.1% as defined in 29 CFR 1910. 1200, the OSHA Hazard Communication Standard.

Q1 (Extraction Buffer)	12 ml
Q2 (10X Wash Buffer)	28 ml
Q3 (Protein Capture Buffer)	1 ml
Q4 (Blocking Buffer)	20 ml
Q5 (Antibody Buffer)	12 ml
Q6 (Developing Solution)	10 ml
GAPDH Control Antibody*	20 µl
Capture Antibody*	50 µl
Detection Antibody*	20 µl
8-Well Assay Strips (with Frame)	12
User Guide	1

Material Safety Data Sheet

Section 1. Identification

Product Name *QuantiSir™* Specific Gene Knockdown Quantification Kit for Transcription Factors
Product No. P-5009
Supplier Epigentek Group Inc
110 Bi County Blvd. Ste 122
Farmingdale, NY 11735
In Case of Emergency 631-755-0888

Section 2. Composition, Information on Ingredients

Ingredient Name

Q7 (stop solution)
Cas$ 7647-01-0

Section 3. Hazards Identification

Label precautionary statements
Toxic
Toxic by inhalation
Causes burns
Irritating to respiratory system
Toxic if ingested
Eye contact may cause severe burns

Section 4. First Aid Measures

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion: Give large quantities of water or milk if available. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Skin Contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Section 5. Fire Fight Measures

Fire: Not considered to be a fire hazard. May react with metals or heat to release flammable hydrogen gas.
Explosion: Not considered to be an explosion hazard.
Fire Extinguishing Media: Water or water spray. Neutralize with soda ash or slaked lime.
Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Section 6. Accident Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8
Spills/Leaks: Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Absorb onto vermiculite and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

Section 7. Handling and Storage

Handling: Wear appropriate NIOSH/MSHHA approved respirator, chemical resistant gloves, safety goggles and other protective clothing. Mechanical Exhaust required.
Storage: Store in a cool, dry place. Store in a tightly closed container

Section 8. Exposure Control and Personal Protection

Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits
Eye: Wear safety glasses and chemical goggles if splashing is possible
Skin: Wear appropriate protective gloves to prevent skin exposure
Clothing: Wear appropriate protective clothing to minimize contact with skin

Respirators: Following the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149.

Section 9. Physical and Chemical Properties

Physical State:	Liquid
Appearance:	Clear colorless
Solubility:	Infinitely soluble.
Density:	1.05 @ 15˚C (59˚F)
pH:	2.02 (0.01 N)
% Volatiles by Volume @ 21°C :	100
Boiling Point:	101 – 103˚C (214 – 217˚F)
Melting Point:	No information found.
Vapor Density (Air=1):	No information found.
Vapor Pressure (mm Hg):	No information found.
Evaporation Rate (BuAc=1):	No information found.

Section 10. Stability and Reactivity

Stability:	Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:	When heated to decomposition, emits toxic hydrogen chloride fumes and will react with water or steam to produce heat and toxic and corrosive fumes. Thermal oxidative decomposition produces toxic chlorine fumes and explosive hydrogen gas.
Hazardous Polymerization:	Will not occur.
Incompatibilities:	A strong mineral acid, concentrated hydrochloric acid is highly reactive with strong bases, metals, metal oxides, hydroxides, amines, carbonates and other alkaline materials. Incompatible with materials such as cyanides, sulfides, sulfites, and formaldehyde.
Conditions to Avoid:	Heat, direct sunlight.

Section 11. Toxicological Information

Hydrochloric acid: Inhalation rat LC50: 3124 ppm/1H; Oral rabbit LD50: 900 mg/kg. Investigated as a tumorigen, mutagen, reproductive effector.

--------\Cancer Lists\----------

	---NTP Carcinogen---		
Ingredient	Known	Anticipated	IARC Category
Hydrogen Chloride (7647-01-0)	No	No	3
Water (7732-18-5)	No	No	None

Section 12. Ecological Information

No information available

Section 13. Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations

Section 14. Transport Information

No information available

Section 15. Regulatory Information

Chemical Inventory Status

Ingredient	TSCA	EC	Japan	Australia
Hydrogen Chloride (7647-01-0)	Yes	Yes	Yes	Yes
Water (7732-18-5)	Yes	Yes	Yes	Yes

Section 16. Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages