



SDS# : 8815

Revision Date 2012-06-22

Version 2

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name Active Rac1 Detection Kit

Product Number 8815

Identified Uses For Research Use Only (RUO). Not intended for use in humans or animals.

Not intended for therapeutic or diagnostic procedures.

Manufacturer/Supplier Cell Signaling Technology, Inc.

3 Trask Lane

Danvers, MA 01923 USA
Phone #: 1-978-867-2300
Emergency Tel# 1-978-578-6737

2. HAZARDS IDENTIFICATION

Emergency Overview

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Warning!

Harmful if inhaled or absorbed through skin. Causes respiratory tract, eye and skin irritation. May cause allergic skin reaction. May be harmful if swallowed. Contains material that can cause target organ damage.

Toxic by inhalation and in contact with skin. Harmful if swallowed. Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact.

Physical State

Kit box contains vials of liquids and solids.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients

Please see the individual material safety data sheets which can be found on the CST website www.cellsignal.com/support/msds.html for hazard communication information specific to individual kit components contained in this product.

Component SKU	Kit Component Name
8659S	GST-Binding Protein Human PAK1-PBD
8631S	Anti-Rac1 Mouse Antibody (Non-hazardous)
11522S	GDP (100X) (Non hazardous)
11521S	GTP γS (100X)
11523S	Glutathione Resin
11525S	2X SDS Sample Buffer
11524S	Lysis/Binding/Wash Buffer

4. FIRST AID MEASURES

Eye Contact Rinse immediately with plenty of water. Get medical attention.

Skin Contact Rinse immediately with soap and plenty of water. Get medical attention.

Inhalation Move to fresh air. Get medical attention.

Ingestion Call Poison Control Center immediately. Never give anything by mouth to an unconscious person. Rinse mouth with water.

Get medical attention.

Notes to physician Treat symptomatically.

FIRE FIGHTING MEASURES

Flash Point See Section 9. Physical and Chemical Properties

Suitable Extinguishing Media Use dry chemical Special exposure hazards No data available

Special protection for fire fighters Wear appropriate self-contained breathing apparatus and protective unit

Other information No data available

ACCIDENTAL RELEASE MEASURES

Personal precautions Do not touch or walk though spilled material. Wear personal protective

equipment

Environmental precautionsDo not let product enter drains.

Clean up methods Soak up with absorbent material. Keep in suitable closed containers for disposal.

Other information See sections 12 and 13 for additional information.

HANDLING AND STORAGE





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Safe handling advice Avoid contact with eyes and skin. Ensure adequate ventilation.

Storage condition Keep container tightly closed in a cool dry location.

Incompatibilities No data available Specific end uses No data available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Controls

Apply technical measures to comply with the occupational exposure limits.

Engineering Controls

Emergency eyewash and safety shower. Mechanical exhaust required.

Hygiene Measures

Do not eat, drink or smoke when handling product. Wash hands thoroughly after handling product. Wash contaminated clothing before reuse.

Personal Protective Equipment

Respiratory Protection: In case of insufficient ventilation wear suitable respiratory equipment.

Eye Protection: Safety glasses with side shields

Skin and body protection: Wear suitable protective clothing, protective shoes or boots.

Hand protection: Compatible chemical resistant gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State small vials of liquids and solids

Appearance no data available Odor no data available pΗ no data available Water Solubility no data available Melting point/freezing point no data available Boiling point no data available Evaporation rate no data available Flammability no data available Flash point no data available Autoignition temperature no data available Flammability limits in air no data available Explosive properties no data available VOC content no data available Decomposition temperature no data available

STABILITY AND REACTIVITY

Stability Stable under normal conditions

Conditions/Materials to avoid No data available Hazardous decomposition products No data available

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

To the best of our knowledge, the chemical, physical and toxicological properties have not been fully investigated.

Potential Health Effects

Acute Toxicity
Eyes

May cause eye irritation.

Skin Harmful in contact with skin. Causes mild skin irritation. May cause allergic skin reaction.

Inhalation Harmful if inhaled. Toxic by inhalation. Irritating to respiratory system.

Ingestion May be harmful if swallowed.

Chronic Effects

Carcinogenic effects

Mutagenic effects

No known significant effects or critical hazards.

No known significant effects or critical hazards.

Teratogenic effects

No known significant effects or critical hazards.

Reproductive toxicity

No known significant effects or critical hazards.

Sensitization May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Target organ effects Contains material that can cause damage to the following organs: kidneys, lungs, upeer respiratory tract, skin, eyes, liver,

gastrointestinal tract.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.



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Persistence and degradability Not available Bioaccumulation Not available Mobility Not available

DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Dispose of in accordance with all applicable environmental laws and regulations.

TRANSPORT INFORMATION

IATA Not regulated as dangerous goods DOT Not regulated as dangerous goods MEX Not regulated as dangerous goods

15. REGULATORY INFORMATION

HCS Classification

Toxic material Irritating material Sensitizing material Target organ effects

International Inventories

TSCA (8a) PAIR -EINECS/ELINCS-

ENCS IECSC KECL PICCS AICS **NZIoC**

U.S. Federal Regulations

SARA 302/304/311/312 hazardous chemicals: See individual kit component MSDS documents.

SARA 311/312 MSDS Distribution: See individual kit component MSDS documents.

U.S. State Regulations See individual kit component MSDS documents.

Canada See individual kit component MSDS documents.

OTHER INFORMATION 16.

Revision date

2012-06-22 ***Indicates updated section **Revision Note**

Disclaimer

The information provided on this material safety data sheet is to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Material Safety Data Sheet