

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Name** SimpleChIP ® Plus Enzymatic Chromatin IP Kit (Magnetic Beads)  
**Product Number** 9005  
**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**
**Warning!**

Harmful if swallowed.  
 Harmful if inhaled.  
 Causes serious eye damage.  
 Harmful in contact with skin.  
 Causes mild skin irritation.  
 May cause allergic skin reaction

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

**Physical State**

Liquids

**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](http://www.cellsignal.com/support/msds.html) for hazard communication information specific to individual kit components contained in this product.

Component SKU	Kit Component Name
7005S	Glycine Solution
7006S	Buffer A (4X)
7007S	Buffer B (4X)
7008S	ChIP Buffer (10X)
7009S	ChIP Elution Buffer (2X)
7010S	5M NaCl
7011S	0.5M EDTA
9007S	ChIP-Grade Protein G Magnetic Beads
11134S	DNA Binding Agent A
11135S	DNA Wash Reagent B
11136S	DNA Elution Reagent C
7012L	Protease Inhibitor Cocktail (200X)
7013S	RNAse A (10mg/mL)
10011S	Micrococcal Nuclease
10012S	Proteinase K
7016S	1M DTT
7014P,7015P	SimpleChIP ® Primers
4620S	Histone (D2B12) XP ® Rabbit mAb
2729S	Normal Rabbit IgG

**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.  
**Notes to physician** Treat symptomatically.

**5. FIRE FIGHTING MEASURES**

**Flash Point** See Section 9. Physical and Chemical Properties  
**Suitable Extinguishing Media** Use dry chemical

<b>Special exposure hazards</b>	No data available
<b>Special protection for fire fighters</b>	Wear appropriate self-contained breathing apparatus and protective unit
<b>Other information</b>	No data available

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**6. ACCIDENTAL RELEASE MEASURES**


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<b>Personal precautions</b>	Do not touch or walk through spilled material. Wear personal protective equipment
<b>Environmental precautions</b>	Do not let product enter drains.
<b>Clean up methods</b>	Soak up with absorbent material. Keep in suitable closed containers for disposal.
<b>Other information</b>	See sections 12 and 13 for additional information.

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**7. HANDLING AND STORAGE**


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<b>Safe handling advice</b>	Avoid contact with eyes and skin. Ensure adequate ventilation.
<b>Storage condition</b>	Keep container tightly closed in a cool dry location.
<b>Incompatibilities</b>	No data available
<b>Specific end uses</b>	No data available

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**


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**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.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**


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**Information on basic physical and chemical properties**

Physical State	liquid
Appearance	no data available
Odor	no data available
pH	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	Not flammable.
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

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**10. STABILITY AND REACTIVITY**


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<b>Stability</b>	Stable under normal conditions
<b>Conditions/Materials to avoid</b>	No data available
<b>Hazardous decomposition products</b>	No data available

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**11. TOXICOLOGICAL INFORMATION**


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**Acute Toxicity**

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

**Potential Health Effects**

<b>Acute Toxicity</b>	
Eyes	Causes serious eye damage.
Skin	Harmful in contact with skin. Causes mild skin irritation. May cause allergic skin reaction.
Inhalation	Harmful if inhaled.
Ingestion	Harmful if swallowed.

**Chronic Effects**

Carcinogenic effects	There are no known carcinogens in this product.
Mutagenic effects	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** No information available.

12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	The environmental impact of this product has not been fully investigated.
<b>Persistence and degradability</b>	Not available
<b>Bioaccumulation</b>	Not available
<b>Mobility</b>	Not available

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

<b>IATA</b>	Not regulated as dangerous goods
<b>DOT</b>	Not regulated as dangerous goods
<b>MEX</b>	Not regulated as dangerous goods

15. REGULATORY INFORMATION

**HCS Classification**

Harmful if swallowed.  
Harmful if inhaled.  
Causes serious eye damage.  
Harmful in contact with skin.  
Causes mild skin irritation.  
May cause allergic skin reaction

**International Inventories**

**TSCA (8a) PAIR** -  
**EINECS/ELINCS-**  
**ENCS** -  
**IECSC** -  
**KECL** -  
**PICCS** -  
**AICS** -  
**NZIoC** -

**U.S. Federal Regulations**

**SARA 302/304/311/312 extremely hazardous products:** No products were found.  
**SARA 302/304/311/312 emergency planning and notification:** No products were found.  
**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.

16. OTHER INFORMATION

**Revision date** 2012-06-06  
**Revision Note** \*\*\*Indicates updated section

**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