

# SAFETY DATA SHEET

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product/Catalog Number(s):				
Overall Description	Part #	Species	Induction Material	Contains
S9, Frozen	11-105	SD Rat	PB/BNF	KCL
	11-116	SD Rat	Phenobarbital	KCL
	11-117	SD Rat	5, 6 Benzoflavone	KCL
	11-215	SD Rat	PB/BNF	Sucrose
	13-105	Wistar Han Rat	PB/BNF	KCL
	15-205	Golden Syrian Hamster	PB/BNF	KCL
Product name:		S9, Rodent Liver Homogenate, Post-Mitochondrial Supernatant		
Synonyms:		[Induction Material] induced S9/post-mitochondrial supernatant/rodent liver homogenate		
Manufacturer:		Molecular Toxicology Inc.		
Address:		157 Industrial Park Drive, Boone, North Carolina, 28607		
Phone:		828 264 9099 (8:30 – 17:00 EST)		
Fax:		828 264 0103		
Emergency contact (Chemtrec):		Contact 1800-424-9300 (USA) or 703 527 3887 (International) at other times Email: <a href="mailto:chemtrec@chemtrec.com">chemtrec@chemtrec.com</a> ; <a href="http://www.chemtrec.com/">http://www.chemtrec.com/</a>		
Recommended use:		Laboratory, For Research Only		
Restrictions on use:		Not for clinical use		

## SECTION 2. HAZARDS IDENTIFICATION

Classification	Not required based on content in mixture
Physical hazards	None known
Health hazards	<b>Inhalation:</b> None <b>Skin:</b> None <b>Eyes:</b> None <b>Ingestion:</b> None
Environmental hazards	See eco-toxicity section 12.
Labeling	Pictogram – none
Signal Word	None
Hazard Statements	None
Precautionary Statements	Wear suitable protective clothing and gloves.
Other hazards	Contains animal protein. May cause sensitization.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical characterization:** Mixtures

**Description:** Mixture of the substances listed below with nonhazardous additions.

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Dangerous components: None

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## SECTION 4. FIRST AID MEASURES

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### Description of first aid measures

<b>Eye Contact</b>	Rinse eyes and under eyelids for several minutes under running water.
<b>Skin Contact</b>	Wash off immediately with plenty of soap and water and rinse thoroughly.
<b>Ingestion</b>	Rinse mouth with plenty of water. If symptoms persist consult a physician.
<b>Inhalation</b>	Supply fresh air. Consult a physician in case of breathing difficulties.
<b>Protection of first-aiders</b>	Not required

### General advice

Consult a physician if symptoms persist.

### Most important symptoms and effects, both acute and delayed

No further relevant information available.

### Indication of any immediate medical attention and special treatment needed

No further relevant information available.

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## SECTION 5. FIREFIGHTING MEASURES

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### Extinguishing media

Not flammable or combustible. Suitable extinguishing media include water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### Special hazards arising from the substance or mixture

No further relevant information available.

### Advice for firefighters

No further relevant information available.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

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### Personal precautions, protective equipment and emergency procedures

Not required

### Environmental precautions

Prevent further leakage or spillage. Do not let product enter drains. Discharge into the environment should be avoided.

### Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

### Reference to other sections

Refer to Sections 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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## SECTION 7. HANDLING AND STORAGE

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### Precautions for safe handling

Keep in the original container, kept tightly closed when not in use. Avoid formation of aerosols. Provide appropriate exhaust ventilation at places where aerosols are formed. Store according to product packaging.

### Conditions for safe storage, including any incompatibilities

Storage - Store according to product packaging, tightly sealed.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Control parameters

#### *Exposure limits*

Component does not require monitoring at the workplace.

#### *Monitoring methods*

N/A

### Exposure controls

#### *Engineering Measures*

Ensure adequate ventilation, especially in confined areas

#### *Personal protective equipment*

**Eye Protection:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH(US) or EN 166(EU).

#### *Hand Protection*

Handle with gloves. Nitrile gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with good laboratory practices. Wash and dry hands.

#### *Skin and body protection*

Appropriate laboratory work clothing; lab coat recommended.

#### *Respiratory Protection*

Not required

**Hygiene Measures** - Handle in accordance with good industrial hygiene and safety practice. Wash hands, forearms and face thoroughly after handling chemical products. Employ techniques to avoid contamination of clothing. Keep away from food, beverages.

**Environmental exposure controls** – Ventilated area.

### Exposure limits

Permissible Exposure Limits and Threshold Limit Values not specified by OSHA.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

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**Information on basic  
physical and chemical  
properties**

<b>Appearance</b>	Light red/pink, solid (frozen)/liquid (thawed)
<b>Auto-ignition temperature</b>	unknown
<b>Boiling point</b>	unknown
<b>Decomposition temperature</b>	unknown
<b>Flammable limits in air</b>	unknown
<b>Flash point</b>	N/A
<b>Formula</b>	mixture
<b>Melting point</b>	N/A
<b>Molecular weight</b>	N/A
<b>Odor threshold</b>	unknown
<b>Osmolality</b>	unknown
<b>pH</b>	unknown
<b>Solubility in water</b>	Freely
<b>Specific gravity</b>	unknown
<b>Vapor density</b>	N/A
<b>Vapor pressure</b>	N/A
<b>Viscosity</b>	N/A

**Other information**

No further relevant information available.

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**SECTION 10. STABILITY AND REACTIVITY**

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**Reactivity**

Not reactive.

**Chemical stability**

Stable under normal conditions. Decomposition will not occur if used and stored appropriately.

**Possibility of hazardous reactions**

No hazardous reactions known.

**Conditions to avoid**

No specific data.

**Incompatible materials**

No further relevant information available.

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## Hazardous decomposition products

No dangerous decomposition products known.

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## SECTION 11. TOXICOLOGICAL INFORMATION

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### Information on toxicological effects

#### Acute toxicity

##### Oral LD50

No data available

##### Inhalation LC50

No data available

##### Dermal LD50

No data available

#### Other information on acute toxicity

No data available

#### Skin corrosion/irritation

No data available

#### Serious eye damage/eye irritation

No eye irritation

#### Respiratory or skin sensitization

No data available

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

#### Reproductive toxicity

No data available

#### Teratogenicity

No data available

#### Specific target organ toxicity - single exposure (Globally Harmonized System)

No data available

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## **Specific target organ toxicity - repeated exposure (Globally Harmonized System)**

No data available

## **Aspiration hazard**

No data available

## **Potential health effects**

**Inhalation:** None

**Skin:** None

**Eyes:** None

**Ingestion:** None

## **Signs and Symptoms of Exposure**

No effects known

## **Synergistic effects**

No data available

## **Additional Information**

RTECS: N/A

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## **SECTION 12. ECOLOGICAL INFORMATION**

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### **Toxicity**

No data available

### **Persistence and degradability**

No data available

### **Bioaccumulative potential**

No data available

### **Mobility in soil**

No data available

### **PBT and vPvB assessment**

No data available

### **Other adverse effects**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Harmful to aquatic life.

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## **SECTION 13. DISPOSAL CONSIDERATIONS**

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### **Waste treatment methods**

#### **Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

#### **Contaminated packaging**

Dispose of as unused product.

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## SECTION 14. TRANSPORT INFORMATION

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Not a hazardous material for transportation

### **DOT (US)**

Not dangerous goods

### **IMDG**

Not dangerous goods

### **IATA**

Not dangerous goods

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## SECTION 15. REGULATORY INFORMATION

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### **Safety, health and environmental regulation/legislation specific for the substance or mixture**

#### **OSHA Hazards**

Not applicable

#### **SARA 302 Components**

Not applicable

#### **SARA 313 Components**

Not applicable

#### **SARA 311/312 Hazards**

Not applicable

#### **Massachusetts Right to Know Components**

No components are subject to the Massachusetts Right to Know Act.

#### **Pennsylvania Right to Know Components**

Potassium chloride

CAS-No. 7447-40-7

(Not applicable to Part Number 11-215)

#### **New Jersey Right to Know Components**

Potassium chloride

CAS-No. 7447-40-7

(Not applicable to Part Number 11-215)

#### **California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

#### **Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

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## SECTION 16. OTHER INFORMATION

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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Molecular Toxicology, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.moltox.com](http://www.moltox.com) and/or the invoice or packing slip for additional terms and conditions of sale.