



# SAFETY DATA SHEET

[Required under safety and health regulations for shipping and handling]

Version: 2021  
Date Updated: April 15, 2021

## SECTION 1. ----- PRODUCT AND COMPANY IDENTIFICATION -----

**Product Name** Ovalbumin, purified  
**Product Code(s)** O705084  
**Recommended Use** For Laboratory Research Use Only  
Not for Human or Animal Drug Use

**Supplier** Bio Basic Inc.  
**Address** 20 Konrad Crescent, Markham, Ontario,  
Canada, L3R 8T4

**Telephone** (905) 474 4493  
**Fax** (905) 474 5794  
**For Chemical Emergency Phone#** (416) 995 9730

## SECTION 2. ----- HAZARDS IDENTIFICATION -----

### GHS Classification in accordance with Hazardous Products Regulations (HPR) (SOR/2015-17)

Respiratory sensitization (Sub-category 1A), H334

For the full text of the H-Statements mentioned in this Section, see Section 16.

### GHS Label elements, including precautionary statements

Pictogram



Signal word Danger

Hazard statement(s)  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statement(s)  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
P284 Wear respiratory protection.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.  
P501 Dispose of contents/ container to an approved waste disposal plant.

### Hazards not otherwise classified (HNOC) or not covered by GHS

- none

## SECTION 3. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

Chemical Name	EC No.	CAS-No	Weight %
Ovalbumin	232-692-7	9006-59-1	<100

#### SECTION 4. ----- FIRST-AID MEASURES-----

##### **General advice**

First aider needs to protect himself. Show this material safety data sheet to the doctor in attendance.

##### **If inhaled**

If breathed in, move person into fresh air. Call in physician.

##### **In case of skin contact**

Take off immediately all contaminated clothing. Rinse skin with water/ shower.

##### **In case of eye contact**

rinse out with plenty of water. Remove contact lenses.

##### **If swallowed**

immediately make victim drink water (two glasses at most). Consult a physician

#### SECTION 5. ----- FIRE FIGHTING MEASURES -----

##### **Suitable extinguishing media**

Use Water Foam Carbon dioxide (CO2) Dry powder

##### **Special hazards arising from the substance or mixture**

Nature of decomposition products not known.

Combustible.

Development of hazardous combustion gases or vapours possible in the event of fire.

##### **Special protective equipment for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

##### **Explosion data - sensitivity to mechanical impact**

no data available

##### **Explosion data - sensitivity to static discharge**

no data available

#### SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----

##### **Personal precautions**

Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

##### **Environmental precautions**

Do not let product enter drains.

##### **Methods and materials for containment and cleaning up**

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully. Dispose of properly. Clean up affected area. Avoid generation of dusts

#### SECTION 7. ----- HANDLING AND STORAGE-----

##### **Precautions for safe handling**

Work under hood. Do not inhale substance/mixture.

For precautions see section 2.

##### **Conditions for safe storage**

Tightly closed. Dry. Keep locked up or in an area accessible only to qualified or authorized persons.

Recommended storage temperature 2 - 8 °C

Storage class (TRGS 510): 11: Combustible Solids

## SECTION 8. - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - - -

### Personal protective equipment

#### Respiratory protection

required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

#### Skin protection

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: [www.kcl.de](http://www.kcl.de)).

##### Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M)

##### Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail [sales@kcl.de](mailto:sales@kcl.de), test method: EN374

#### Eye protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

#### Body protection

Protective clothing clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Hygiene measures

Change contaminated clothing. Preventive skin protection recommended. Wash hands after working with substance.

#### Control of environmental exposure

Do not let product enter drains.

## SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -

### Appearance

Form powder

Color beige

### Safety data

pH no data available

Melting point/freezing point no data available

Boiling point no data available

Flash point no data available

Ignition temperature no data available

Auto-ignition temperature no data available

Lower explosion limit no data available

Upper explosion limit	no data available
Vapour pressure	no data available
Density	no data available
Relative Density	no data available
Water solubility	no data available
Partition coefficient: n-octanol/water	no data available
Relative vapour Density	no data available
Viscosity	no data available
Odour	no data available
Odour Threshold	no data available
Evaporation rate	no data available

**Other safety information**  
no data available

## SECTION 10. -----STABILITY AND REACTIVITY -----

### Reactivity

The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

### Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

### Possibility of hazardous reactions

no data available

### Conditions to avoid

no data available

### Materials to avoid

Strong oxidizing agents

### Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known

Other decomposition products - no data available

## SECTION 11. ----- TOXICOLOGICAL INFORMATION -----

### Acute toxicity

LD50 Oral - Mouse - > 24,000 mg/kg

Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Ptosis.

Behavioral:Somnolence (general depressed activity). Respiratory disorder (RTECS)

Inhalation: No data available

Dermal: No data available

No data available

### Skin corrosion/irritation

No data available

### Serious eye damage/eye irritation

No data available

### Respiratory or skin sensitisation

(Lit.)

**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.

**Reproductive toxicity**

No data available

**Teratogenicity**

no data available

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

no data available

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

no data available

**Aspiration hazard**

no data available

**Synergistic effects**

no data available

**Additional Information**

RTECS: AY9384000

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

**SECTION 12. ----- ECOLOGICAL INFORMATION -----****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**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects**

No data available

**SECTION 13. ----- DISPOSAL CONSIDERATIONS -----****Product**

Waste material must be disposed of in accordance with the national and local No mixing with other waste. Handle uncleaned containers like the product See [www.retrologistik.com](http://www.retrologistik.com) for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

**SECTION 14. ----- TRANSPORT INFORMATION -----****DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**SECTION 15. ----- REGULATORY INFORMATION -----**

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

**SECTION 16. ----- OTHER INFORMATION-----**

Further information: no limited for paper copy, just for internal uses.  
For research use only. Not intended for human or animal diagnostic or therapeutic uses.

**Disclaimer**

The information provided on this SDS is correct 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.

**Issuing Date:** 15-Apr-2021

**End of SDS**



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## CERTIFICATE OF ANALYSIS

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Product	Ovalbumin, purified
Grade	N/A
Product Code	O705084
Formula	N/A
MW	mol wt 44287 Da by calculation
CAS#	9006-59-1
Lot No	

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Test Items	Specifications	Results
Appearance	Faint Yellow to Light yellow powder	
Water (by Karl Fischer)	≤10 %	
Nitrogen	≥12.5 %	
Agarose Electrophoresis	62 - 88 % ovalbumin	

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Storage: 2-8°C