Page: 1/10

Safety Data Sheet

according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: June 27, 2024

1 Identification

· Product identifier

· Trade name: Lyophilized Proteins

Other product identifiers:

2037 - Mouse IgG Assay Kit Standard

2046 - Rat IgG Assay Kit Standard

3006 - Mouse Anti-OVA IgE Monoclonal Antibody E-C1

3007 - Mouse Anti-OVA IgE Monoclonal Antibody E-G5 3008 - Mouse Anti-OVA IgG1 Monoclonal Antibody L71

3044 - Biotinylated Dust Mite Extract from D. pteronyssinus

3045 - Biotinylated Dust Mite Extract from D. farinae

3070 - Mouse Anti- Crude Peanut Extract (CPE) IgE Antibody

7014 - Human IgG Kit Secondary Antibody

7038 - Human IgA Kit Secondary Antibody 20305 - Mouse IgG Subtype Kit IgG3 Standard

20306 - Mouse IgG Subtype Kit IgG1 Standard 20307 - Mouse IgG Subtype Kit IgG2a Standard

20308 - Mouse IgG Subtype Kit IgG2b Standard

20309 - Mouse IgG Subtype Kit IgG2c Standard

20401 - Rat IgG Subtype Kit IgG1 Standard

20403 - Rat IgG Subtype Kit IgG2a Standard

30051 - Mouse Total IgE Detection Kit Standard

30053 - Total IgE Detection Antibody

30101 - Mouse Serum Anti-OVA IgE Kit Standard

30103 - Mouse Serum Anti-OVA IgE Kit Biotinylated OVA

30111 - Mouse Anti-OVA IgG Kit Standard IgG

30121 - Mouse Albumin Kit Standard

30123 - Mouse Albumin Kit Detection Antibody

30131 - Standard IgG1

30151 - Standard IgG2a

30161 - Standard IgG2b

30171 - Standard IgM

30181 - Standard IgA

30201 - Rat Albumin Detection Kit Standard

30281 - IgG3 Standard

30291 - Standard IgG2c

30301 - Mouse Anti-HDM IgG Kit IgG Standard

30311 - Mouse Anti-DNA Antibody ELISA IgG Standard

30341 - Mouse Anti-HDM IgG1 Kit IgG1 Standard

30351 - Mouse Anti-HDM IgG2b Kit IgG2b Standard

30361 - Mouse Anti-HDM IgM Kit IgM Standard

30371 - Mouse Anti-HDM IgE Kit IgE Standard

30381 - Mouse Anti-HDM IgG2a Kit IgG2a Standard

30391 - Mouse Anti-HDM IgG3 Kit IgG3 Standard

30421 - Mouse Anti-DNA Antibody ELISA IgM Standard

30431 - Trypsin Activity Assay Kit Reference

30461 - Mouse Anti-HDM IgA Kit IgA Standard

30471 - Mouse Anti-Der p1 IgG Kit IgG Standard

30481 - Mouse Anti-Der p 1 IgG1 Kit IgG1 Standard

30491 - Mouse Anti-Der p 1 IğM Kit IgM Standard

30501 - Mouse Anti-Gliadin IgE Kit Standard IgE 30511 - Mouse Anti-Gliadin IgG Kit Standard IgG

30521 - Mouse Anti-Gliadin IgG1 Kit Standard IgG1

30531 - Mouse Anti-Gliadin IgG2a Kit Standard IgG2a

30541 - Mouse Anti-Gliadin IgG2b Kit Standard IgG2b 30551 - Mouse Anti-Gliadin IgM Kit Standard IgM

30561 - Mouse Anti-CPE IgG Kit Standard IgG

30571 - Mouse Anti-CPE IgG1 Kit Standard IgG1

30581 - Mouse Anti-CPE IgG2a Kit Standard IgG2a

30591 - Mouse Anti-CPE IgG2b Kit Standard IgG2b

30601 - Mouse Anti-CPE IgG3 Kit Standard IgG3

30611 - Mouse Anti-CPE IgA Kit Standard IgA 30621 - Mouse Anti-CPE IgM Kit Standard IgM

30631 - Mouse Anti-CPE IgE Kit Standard IgE

30641 - Mouse Anti-Der p1 IgG3 Kit IgG3 Standard

30651 - Mouse Anti-Der p2 IgG Kit IgG Standard

30661 - Mouse Anti-Der p2 IgG2a Kit IgG2a Standard

30671 - Mouse Anti-Der p2 IgG2b Kit IgG2b Standard

(Cont'd, on page 2)

Page: 2/10

(Cont'd. on page 3)

Safety Data Sheet

according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: June 27, 2024

Trade name: Lyophilized Proteins

(Cont'd. of page 1) 30681 - Mouse Anti-Der p2 IgM Kit IgM Standard 30771 - Mouse Anti-Ara h2 IgG Kit Standard IgG 30781 - Mouse Anti-Ara h2 IgG2b Kit Standard IgG2b 30791 - Mouse Anti-Ara h2 IgM Kit Standard IgM 30801 - Mouse Anti-Ara h2 IgA Kit Standard IgA 30821 - Mouse Anti-Ara h3 IgG Kit Standard IgG 30831 - Mouse Anti-Ara h3 IgG1 Kit Standard IgG1 30841 - Mouse Anti-Ara h 1 IgG Kit Standard IgG 30851 - Mouse Anti-Ara h 1 IgG1 Kit Standard IgG1 30861 - Mouse Anti-Ara h 1 IgG2b Kit Standard IgG2b 30871 - Mouse Anti-Ara h 1 IgM Kit Standard IgM 30881 - Mouse Anti-Ara h 1 IgG2a Kit Standard IgG2a 60103 - HMGB1 Detection Kit Detection Antibody 60123 - Mouse Type I Collagen Detection Kit Detection Antibody 60133 - Rat Type I Collagen Detection Kit Detection Antibody 60143 - Bovine Type I Collagen Detection Kit Detection Antibody 60153 - Porcine Type I Collagen Detection Kit Detection Antibody 60163 - Rabbit Type I Collagen Detection Kit Detection Antibody 60183 - Type II Collagen Detection Kit Detection Antibody 60193 - Canine Type I Collagen Detection Kit Detection Antibody 60213 - Human Type I Collagen Detection Kit Detection Antibody 60271 - Canine CRP Detection Kit Standard 60281 - Feline SAA Detection Kit Standard 60291 - SEA Detection Kit Standard 60301 - SEB Detection Kit Standard 60311 - HDM (Der p 10) Detection Kit Standard 60321 - OVA Detection Kit Standard 60351 - Standard Gliadin 60371 - Human CD63 Detection Kit Standard 60381 - CD9 x CD63 Detection Kit Standard 60391 - LPS Detection Kit LPS Standard 60401 - NTX-1 Detection Kit Standard 60421 - Standard Ara h6 60431 - Standard Ara h2 60441 - HDM Der p1 Detection Kit Standard 60451 - Standard Ara h 1 60461 - Mouse MCP-1 Detection Kit Standard 61066 - Mouse Anti-E. coli LPS Kit IgG Standard 61076 - Mouse Anti-E. coli LPS Kit IgG1 Standard 61106 - Mouse Anti-E. coli LPS Kit IgG2a Standard 61116 - Mouse Anti-E. coli LPS Kit IgG2b Standard 61121 - Mouse Anti-E. coli LPS Kit IgG3 Standard 62066 - Mouse Anti-E. coli Kit IgG Standard 62076 - Mouse Anti-E. coli Kit IgG1 Standard 62096 - Mouse Anti-E. coli Kit IgM Standard 62106 - Mouse Anti-E. coli Kit IgG2a Standard 62116 - Mouse Anti-E. coli Kit IgG2b Standard 62126 - Mouse Anti-E. coli Kit IgG3 Standard 62141 - Mouse Anti-SEB IgG Kit IgG Standard 62151 - Mouse Anti-SEB IgG1 Kit IgG1 Standard 62161 - Mouse Anti-SEB IgG2a Kit IgG2a Standard 62171 - Mouse Anti-SEB IgG2b Kit IgG2b Standard 62181 - Mouse Anti-SEA IgG Kit IgG Standard 62191 - Mouse Anti-SEA IgG1 Kit IgG1 Standard 62201 - Mouse Anti-SEA IgG2a Kit IgG2a Standard 62211 - Mouse Anti-SEA IgG2b Kit IgG2b Standard 62221 - Mouse Anti-PG-LPS Kit IgG Standard 62231 - Mouse Anti-PG-LPS Kit IgM Standard 62241 - Mouse Anti-PG-LPS Kit IgG3 Standard 62251 - Mouse Anti-PG Kit IgG Standard 62261 - Mouse Anti-PG Kit IgM Standard 62271 - Mouse Anti-PG Kit IgG3 Standard 62281 - Mouse Anti-L. casei Kit IgM Standard 67011 - Mouse TNF-alpha ELISA Kit Standard 67021 - Mouse IL-6 ELISA Kit Standard 67031 - Mouse IL-4 ELISA Kit Standard 67041 - Mouse IFN-gamma ELISA Kit Standard 67051 - Mouse II -1beta FLISA Kit Standard 67061 - Mouse IL-10 ELISA Kit Standard

Page: 3/10

Safety Data Sheet

according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: June 27, 2024

Trade name: Lyophilized Proteins

(Cont'd. of page 2)

67081 - Mouse IL-17 ELISA Kit Standard 67091 - Mouse TGF-beta1 ELISA Kit Standard 67101 - Mouse VEGF ELISA Kit Standard 67111 - Mouse IL-2 ELISA Kit Standard 67121 - Mouse IL-13 ELISA Kit Standard 67131 - Mouse IL-5 ELISA Kit Standard 67141 - Mouse IL-23 ELISA Kit Standard 67211 - Mouse CCL2 ELISA Kit Standard 67221 - Mouse CCL5 ELISA Kit Standard 67241 - Mouse CCL28 ELISA Kit Standard 67251 - Mouse CXCL1 ELISA Kit Standard 67271 - Mouse CXCL14 ELISA Kit Standard 67291 - Mouse CXCL13 ELISA Kit Standard 67301 - Mouse CCL17 ELISA Kit Standard 67311 - Mouse CCL20 ELISA Kit Standard 67321 - Mouse CCL22 ELISA Kit Standard 68011 - Human TNF-alpha ELISA Kit Standard 68021 - Human IL-6 ELISA Kit Standard 68031 - Human IL-4 ELISA Kit Standard 68041 - Human IFN-gamma ELISA Kit Standard 68051 - Human IL-1beta ELISA Kit Standard 68061 - Human IL-10 ELISA Kit Standard 68081 - Human IL-17 ELISA Kit Standard 68091 - Human TGF-beta ELISA Kit Standard 68101 - Human VEGF ELISA Kit Standard 68111 - Human IL-2 ELISA Kit Standard 68121 - Human IL-13 ELISA Kit Standard 68131 - Human IL-5 ELISA Kit Standard 68211 - Human CCL2 ELISA Kit Standard 68221 - Human CCL5 ELISA Kit Standard 68231 - Human CCL25 ELISA Kit Standard 68251 - Human CXCL1 ELISA Kit Standard 68271 - Human CXCL14 ELISA Kit Standard 69011 - Rat TNF-alpha ELISA Kit Standard 300412 - Mouse Anti-OVA IgE Kit Standard

- 300413 Mouse Anti-OVA IgE Kit Detection Antibody

 Recommended use and restriction on use
- Recommended use: Laboratory chemicals
- · Restrictions on use: For Research Use Only Not Human or Therapeutic Use
- · Details of the supplier of the Safety Data Sheet
- · Manufacturer/Supplier:

Chondrex, Inc.
16928 Woodinville-Redmond Rd NE Suite B-101
Woodinville, WA 98072
USA
425-702-6365
support@chondrex.com

Emergency telephone number:

ChemTel LLC 800-255-3924 (North America)

(+1) 813-248-0585 (International)

2 Hazard(s) identification

Classification of the substance or mixture

Combustible Dust May form combustible dust concentrations in air.

- Label elements
- GHS label elements

(Cont'd. on page 4)

Page: 4/10

Safety Data Sheet

according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: June 27, 2024

Trade name: Lyophilized Proteins

(Cont'd. of page 3)

The product is classified and labeled according to the Globally Harmonized System (GHS).

- Hazard pictograms: None.
- · Signal word: Warning
- · Hazard statements:

May form combustible dust concentrations in air.

Additional information:

Read the label and safety data sheet before use. Prevent dust accumulations to minimize explosion hazard. Keep away from all ignition sources including heat, sparks and flame.

· Other hazards There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Components:

57-50-1 Sucrose, pure

Combustible Dust

<40%

4 First-aid measures

- Description of first aid measures
- * After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:

Brush off loose particles from skin.

Wash with soap and water.

If skin irritation continues, consult a doctor.

After eye contact:

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

Most important symptoms and effects, both acute and delayed:

Gastric or intestinal disorders when ingested.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

5 Fire-fighting measures

- **Extinguishing media**
- Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray.

- For safety reasons unsuitable extinguishing agents: None.
- Special hazards arising from the substance or mixture

May form combustible dust concentrations in air.

- Advice for firefighters
- Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

Page: 5/10

Safety Data Sheet

according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: June 27, 2024

Trade name: Lyophilized Proteins

(Cont'd. of page 4)

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Use personal protective equipment as required.

For large spills, wear protective clothing.

For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

Environmental precautions

Avoid release to the environment.

Damp down dust with water spray.

Methods and material for containment and cleaning up

Pick up mechanically.

Dispose of the collected material according to regulations.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

- Handling
- Precautions for safe handling:

Prevent formation of dust.

Open and handle receptacle with care.

Information about protection against explosions and fires:

Avoid dust cloud formation. Keep ignition sources away. No smoking.

- Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles:

Avoid storage near extreme heat, ignition sources or open flame.

Storage area should be dry and well-ventilated.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidizing agents.

Protect from humidity and water.

- Further information about storage conditions: Storage Temperatures: -20 °C.
- Specific end use(s) No relevant information available.

8 Exposure controls/personal protection

Control parameters

	Control parameters					
· Components with limit values that require monitoring at the workplace:						
57-50-1 Sucrose, pure						
PEL (USA)	Long-term value: 15* 5** mg/m³ *total dust **respirable fraction					
REL (USA)	Long-term value: 10* 5** mg/m³ *total dust **respirable fraction					

(Cont'd. on page 6)

Page: 6/10

Safety Data Sheet

according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: June 27, 2024

Trade name: Lyophilized Proteins

TLV (USA)

EL (Canada)

EV (Canada)

Long-term value: 10 mg/m³

*total dust;**respirable fraction

EV (Canada)

Long-term value: 10 mg/m³

total dust

LMPE (Mexico)

Long-term value: 10 mg/m³

total dust

Long-term value: 10 mg/m³

A4

- Exposure controls
- · General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

- Engineering controls: No relevant information available.
- · Breathing equipment: A NIOSH approved dust respirator should be used for operations generating dust.
- · Protection of hands:

Gloves are advised for repeated or prolonged contact.

Wear protective gloves to handle contents of damaged or leaking units.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· Eye protection:



Safety glasses

Follow relevant national guidelines concerning the use of protective eyewear.

- · Body protection: Protective work clothing
- · Limitation and supervision of exposure into the environment No special requirements.
- · Risk management measures No special requirements.

Physical and chemical prope	1100
· Information on basic physical a	and chemical properties
· Appearance:	
Form:	Powder
Color:	Whitish-yellow.
· Odor:	Nearly odorless
Odor threshold:	Not determined.
· pH-value:	Not applicable.
· Melting point/Melting range:	Not determined.
· Boiling point/Boiling range:	Not determined.
· Flash point:	Not applicable.
· Flammability (solid, gaseous):	May form combustible dust concentrations in air.
· Auto-ignition temperature:	Not determined.
· Decomposition temperature:	Not determined.
· Danger of explosion:	Can pose a dust explosion hazard if dispersed in air.



Safety Data Sheet

according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: June 27, 2024

Trade name: Lyophilized Proteins

(Cont'd. of page 6)

Page: 7/10

· Explosion limits

Lower: Not determined.
Upper: Not determined.
Oxidizing properties: Non-oxidizing.

· Vapor pressure: Not applicable.

· Density:

Relative density:
Vapor density:

Vapor density:

Evaporation rate:

Not determined.

Not applicable.

· Solubility in / Miscibility with

Water: Dispersible.

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity

Dynamic: Not applicable. **Kinematic:** Not applicable.

Other information
 No relevant information available.

10 Stability and reactivity

- Reactivity: No relevant information available.
- * Chemical stability: Stable under normal temperatures and pressures.
- Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

Possibility of hazardous reactions

Risk of dust explosion if enriched with fine dust in the presence of air.

- Conditions to avoid Prevent formation of dust.
- Incompatible materials Oxidizers
- Hazardous decomposition products

Under fire conditions only:

Carbon monoxide and carbon dioxide

Chlorine

Phosphorus oxides (e.g. P2O5)

11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
- LD/LC50 values that are relevant for classification: None.
- Primary irritant effect:
- On the skin: Based on available data, the classification criteria are not met.
- On the eye: Based on available data, the classification criteria are not met.
- **Sensitization:** Based on available data, the classification criteria are not met.
- · IARC (International Agency for Research on Cancer):

(Cont'd. on page 8)

Safety Data Sheet

according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: June 27, 2024

Trade name: Lyophilized Proteins

(Cont'd. of page 7)

Page: 8/10

None of the ingredients are listed.

· NTP (National Toxicology Program):

None of the ingredients are listed.

· OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

Probable route(s) of exposure:

Ingestion.

Inhalation.

Eye contact.

Skin contact.

- · Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- · Carcinogenicity: Based on available data, the classification criteria are not met.
- · Reproductive toxicity: Based on available data, the classification criteria are not met.
- STOT-single exposure: Based on available data, the classification criteria are not met.
- STOT-repeated exposure: Based on available data, the classification criteria are not met.
- · Aspiration hazard: Based on available data, the classification criteria are not met.

12 Ecological information

- Toxicity
- Aquatic toxicity No relevant information available.
- · Persistence and degradability No relevant information available.
- Bioaccumulative potential: No relevant information available.
- Mobility in soil: No relevant information available.
- Additional ecological information
- General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Other adverse effects No relevant information available.

13 Disposal considerations

- Waste treatment methods
- Recommendation:

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

- Uncleaned packagings
- *Recommendation: Disposal must be made according to official regulations.

14 Transport information

- · UN-Number
- · DOT, ADR/RID/ADN, IMDG, IATA Not regulated.

(Cont'd. on page 9)

Page: 9/10

Safety Data Sheet

according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: June 27, 2024

Trade name: Lyophilized Proteins

		(Cont'd. of page 8)
 UN proper shipping name DOT, ADR/RID/ADN, IMDG, IATA 	Not regulated.	
· Transport hazard class(es)		
· DOT, ADR/RID/ADN, IMDG, IATA · Class	Not regulated.	
· Packing group · DOT, ADR/RID/ADN, IMDG, IATA	Not regulated.	
· Environmental hazards · Marine pollutant:	No	
· Special precautions for user	Not applicable.	
Transport in bulk according to Annex MARPOL73/78 and the IBC Code	II of Not applicable.	

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- United States (USA)
- SARA

· Section 302	(extremely	/ hazardous	substances):
---------------	------------	-------------	------------	----

None of the ingredients are listed.

· Section 355 (extremely hazardous substances):

None of the ingredients are listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

· TSCA (Toxic Substances Control Act)

All ingredients are listed or exempt.

- · Proposition 65 (California)
- · Chemicals known to cause cancer:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity for females:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity for males:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

· EPA (Environmental Protection Agency):

None of the ingredients are listed.

(Cont'd. on page 10)

Safety Data Sheet

according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: June 27, 2024

Trade name: Lyophilized Proteins

(Cont'd. of page 9)

Page: 10/10

· IARC (International Agency for Research on Cancer):

None of the ingredients are listed.

· Canadian Domestic Substances List (DSL):

All ingredients are listed or exempt.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

OSHA: Occupational Safety & Health Administration

· Sources

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

SDS Prepared by:

ChemTel Inc.

1305 North Florida Avenue

Tampa, Florida USA 33602-2902

Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573

Website: www.chemtelinc.com