Safety Data Sheet

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

Revision: Sept 22, 2026

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
3103 - Biotinylated *Acarus siro* Extract
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 IgM 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
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

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30791 - Mouse Anti-Ara h2 IgM Kit Standard IgM
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
30921 - Mouse Anti-Glutenin IgG Kit Standard IgG
30931 - Mouse Anti-Glutenin IgG1 Kit Standard IgG1
30941 - Mouse Anti-Glutenin IgG2a Kit Standard IgG2a
30951 - Mouse Anti-Glutenin IgG2b Kit Standard IgG2b
30961 - Mouse Anti-Glutenin IgM Kit Standard IgM
30971 - Mouse Anti-Acarus siro IgG Kit Standard IgG
30981 - Mouse Anti-Acarus siro IgG1 Kit Standard IgG1
30991 - Mouse Anti-Acarus siro IgG2a Kit Standard IgG2a
31001 - Mouse Anti-Acarus siro IgM Kit Standard IgM
31011 - Cysteine Protease Activity Assay Reference Standard
31041 - Mouse Anti-Glutenin IgE Kit Standard IgE
31051 - Mouse Anti-Acarus siro IgG2b Kit Standard IgG2b
31061 - Mouse Anti-Ara h 2 IgE Kit Standard IgE
31071 - Mouse Anti-Ara h 1 IgE Kit Standard IgE
31081 - Mouse Anti-Japanese Cedar Pollen (JCP) IgE Kit Standard IgE
31091 - Mouse Anti-Japanese Cedar Pollen (JCP) Antibody Kit Standard IgG & IgG1
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
60314 - House Dust Mite (Der p 10 and Der f 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 MCPT-1 Detection Kit Standard
60471 - Standard Ara h 3
60481 - Hyaluronan Competition Assay Kit Standard
60491 - Hyaluronan Sandwich Assay Kit Standard
60501 - *Acarus siro* Antigen Detection Kit Standard
60511 - Mouse MPO Detection Kit Standard
60521 - Glutenin Detection Kit Standard
60541 - Mouse S100A8 Detection Kit Standard
60561 - Mouse S100A9 Detection Kit Standard
60571 - Human Neutrophil Elastase Detection Kit Standard
60581 - Mouse Aggrecan 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

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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 IL-1beta ELISA Kit Standard
67061 - Mouse IL-10 ELISA Kit Standard
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**

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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.

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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**

· **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

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TLV (USA)	Long-term value: 10 mg/m³
EL (Canada)	Long-term value: 10* 3** mg/m³ *total dust;**respirable fraction
EV (Canada)	Long-term value: 10 mg/m³ total dust
LMPE (Mexico)	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.

9 Physical and chemical properties

· **Information on basic physical 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.

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· **Explosion limits**	
Lower:	Not determined.
Upper:	Not determined.
· **Oxidizing properties:**	Non-oxidizing.
· **Vapor pressure:**	Not applicable.
· **Density:**	
Relative density:	Not determined.
Vapor density:	Not applicable.
Evaporation rate:	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):**

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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.

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· **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 II of MARPOL73/78 and the IBC Code**	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.

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· **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

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