Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Section 1: Identification

Product Name Soybean Casein Digest Medium (Tryptic Soy Broth)
Commercial Name Casein
Product Use Not available.
Restrictions On Use Not available.

Product Code 30-3585

Company
PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: CFR 1910.1200 Not available.

Signal Word NON-HAZARDOUS

Hazard Statement(s) Not available.

Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention Not available.
Response Not available.
Storage Not available.
Disposal Not available.

Section 3: Composition/Information on Ingredients

Substance/Mixture Mixture
Components Casein Peptone, Sodium Chloride, Soya Peptone, Potassium Phosphate, Dibasic and Glucose
% By Weight 56.67, 16.67, 10, 8.33, 8.33
CAS# 7647-14-5, 7758-11-4
Molecular Weight Not available.
Chemical Formula C47-H48-N3-O7-S2-Na
Synonym(s) Casein Soya Broth CASO Broth Soybean Casein digest Broth Tryptone Soya Broth TSB

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Casein Peptone		56.67		
Sodium Chloride	7647-14-5	16.67		
Soya Peptone		10		
Potassium Phosphate	7758-11-4	8.33		
Glucose	50-99-7	8.33		

Section 4: First-Aid Measures

Inhalation If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Skin Contact Wash off with soap and plenty of water.
Eye Contact Flush eyes with water as a precaution.
Ingestion Never give anything by mouth to an unconscious person. Rinse mouth with water.
Symptoms/Effects
Acute Not available.
Delayed Not available.
Immediate Medical Attention
Not available.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media
Not available.

Products of Combustion
Carbon oxides Oxides of phosphorus Hydrogen chloride gas Potassium oxides Sodium oxides

Firefighters Special Equipment and Precautions
Wear self-contained breathing apparatus for firefighting if necessary.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see section 8. Environmental precautions: No special environmental precautions required. Methods and materials for containment and cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Advice on safe handling: Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Advice on protection against fire and explosion: Provide appropriate exhaust ventilation at places where dust is formed. Hygiene measures: General industrial hygiene practice. For precautions see section 2.2. Conditions for safe storage, including any incompatibilities Storage conditions Keep container tightly closed in a dry and well-ventilated place. Hygroscopic. Moisture sensitive. Keep in a dry place. Storage class Storage class (TRGS 510): 13: Non Combustible Solids

Section 8: Exposure Controls/Personal Protection

Exposure Limits Not available.
Engineering Controls General industrial hygiene practice.

Personal Protection

Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M) Splash contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario. Body Protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Control of environmental exposure: No special environmental precautions required.

Section 9: Physical and Chemical Properties

Appearance Beige powder
Odor Not available.
Odor Threshold Not available.

Melting Point	Not available.	**pH**	7.1 - 7.5 at 25 °C (77 °F)
Freezing Point	Not available.	**Vapor Pressure**	Not available.
Boiling Point/Range	Not available.	**Vapor Density**	Not available.
Decomposition temperature	Not available.	**Viscosity**	Not available.
Partition Coefficient: n-octanol/water	Not available.	**Evaporation Rate**	Not available.
Flash Point	Not available.	**Autoignition temperature**	Not available.
Flammability	Not available.	**Flammability or Explosive Limits:**	
		Lower	Not available.
		Upper	Not available.

Solubility(ies) Not available.
Other Not available.

Section 10: Stability and Reactivity

Reactivity Not available.
Chemical Stability Stable under recommended storage conditions.
Hazardous Polymerization Not available.
Conditions to Avoid Not available.
Incompatible Materials Strong oxidizing agents
Hazardous Decomposition Products Not available.

Section 11: Toxicological Information

RTECS Not available.

Acute Toxicity
Not available.

Skin Corrosion/Irritation
Not available.

Serious Eye Damage/Irritation
Not available.

Respiratory or Skin Sensitization
Not available.

Germ Cell Mutagenicity
Not available.

Carcinogenicity
Not available.

Reproductive Toxicity
Not available.

Routes of Entry
Not available.

Symptoms Related to Exposure

Vomiting, Diarrhea, Dehydration and congestion may occur in internal organs. Hypertonic salt solutions can produce inflammatory reactions in the gastrointestinal tract., Lowered blood pressure, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential Health Effects
Not available.

Target Organ(s) Not available.

Section 12: Ecological Information

Ecotoxicity
Not available.

Persistance and Degradability
Not available.

Bioaccumulative Potential
Not available.

Mobility in Soil
Not available.

Other Adverse Effects
Not available.

Section 13: Disposal Considerations

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

Disposal of Container
Dispose of as unused product.

Other Considerations
Not available.

Section 14: Transport Information

DOT Classification
DOT (US) Not dangerous goods

Section 15: Regulatory Information

Regulations
SARA 302 Components No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. SARA 311/312 Hazards No SARA Hazards Massachusetts Right To Know Components No components are subject to the Massachusetts Right to Know Act. Pennsylvania Right To Know Components Casein peptone CAS-No. - Revision Date sodium chloride 7647-14-5 Soya peptone 91079-46-8 D-(+)-glucose 50-99-7 dipotassium hydrogen phosphate 7758-11-4 New Jersey Right To Know Components Casein peptone CAS-No. - Revision Date sodium chloride 7647-14-5 Soya peptone 91079-46-8 D-(+) -glucose 50-99-7 dipotassium hydrogen phosphate 7758-11-4 California Prop. 65 Components This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

Other
Not controlled under WHMIS (Canada).

Section 16: Other Information

Not available.