Case Medical

SAFETY DATA SHEET
Protein Detector

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name	Protein Detector
Product No.	CSI002

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Ensure cleaning efficacy of enzymatic detergents by turning residual proteins blue

1.3. Details of the supplier of the safety data sheet

Supplier	Case Medical Inc. 19 Empire Blvd. South Hackensack NJ 07606 USA Tel: 201-313-1999 Fax: 201-373-9090
Contact Person	SDS Contact: DCM Compliance, info@dcmcompliance.com

1.4. Emergency telephone number

201-313-1999 Poison control hotline:1-800-222-1222

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	Not classified
Environment	Not classified.

Classification (1999/45/EEC) R43.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

2.2. Label elements

Contains Phosphoric acid, methanol

Label In Accordance With (EC) No. 1272/2008

Signal Word Warning

Hazard Statements

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H370	Causes damage to organs

Precautionary Statements

P234	Keep only in original container.
P260	Do not breathe dust/ fume/ gas/ mist/ vapor/ spray
P264	Wash skin thoroughly after handling
P270	Do not eat, drink, or smoke when using this product
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Supplementary Precautionary Statements

P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303 + P361 + P353	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contaminated clothing before reuse.
P310	Immediately call a POISON CENTER or doctor/ physician.
P321	Specific treatment
P363	Wash contaminated clothing before reuse
P390	Absorb spillage to prevent material damage
P405	Store locked up.
P406	Store in corrosive resistant stainless steel container with a resistant inner liner.
P501	Dispose of contents/ container to an approved waste disposal place

2.3. Other hazards

NONE

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Phosphoric Acid **< 10-20%**

CAS-No.: 7664-38-2 EC No.: 231-633-6

Classification (EC 1272/2008)
Met. Corr. 1
Skin Corr. 1B.
Eye Dam. 1
H290, H314, H318

METHANOL **< 1-5%**

CAS-No.: 67-56-1 EC No.: 200-659-6

Classification (EC 1272/2008)
Flam. Liq. 2
Acute Tox. 3
STOT SE 1
H225, H301 + H311 + H331, H370

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention.

Ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Skin contact

Remove contaminated clothing. Wash the skin immediately with soap and water for at least 15 minutes. Get medical attention if irritation persists after washing.

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

The most important symptoms are described in the labeling.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition may produce toxic fumes of phosphorus oxides and/or phosphine, carbon dioxides, oxides of phosphorus

Unusual Fire & Explosion Hazards

5.3. Advice for firefighters

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact.
Avoid inhalation of vapor or mist.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature 0°C (32°F) to 4°C (77°F).

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	TWA - 8 Hrs	Notes
Phosphoric acid (CAS-No. 7664-38-2)	1.000000 mg/m3	USA. ACGIH Threshold Limit Values (TLV), Upper Respiratory Tract infection, eye irritation, skin irritation
Methanol (CAS-No. 67-56-1)	200 ppm	USA. ACGIH Threshold Limit Values (TLV) Headache, Nausea, Dizziness, Eye damage, Danger of cutaneous absorption

8.2. Exposure controls

Protective equipment

Engineering measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Respiratory equipment

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such a NIOSH (US) or CEN (EU).

Hand protection

Handle with nitrile 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.

Body protection

Complete suit protecting against chemicals, depending on the concentration and amount working with.

Eye protection

If risk of splashing, wear safety goggles or face shield. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact

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Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear brown
Odour	None
Solubility	Soluble in water.
Initial boiling point and boiling range	No data available
pH-Value, Conc. Solution	No data available

9.2. Other information

Not known.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Materials To Avoid

Strong bases, powdered metals

10.6. Hazardous decomposition products

In event of fire: see section 5

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

General information

Contact with eyes may causes irritation. Prolonged or repeated contact with skin may cause irritation or skin sensitization. May be harmful if swallowed

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Not regarded as dangerous for the environment.

12.1. Toxicity

12.2. Persistence and degradability

Degradability

There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility:

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

1805

14.2. UN proper shipping name

Phosphoric acid solution

14.3. Transport hazard class(es)

ADR/RID/ADN Class: 8

14.4. Packing group

III

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Environmental Listing
Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980.
Statutory Instruments
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.
Approved Code Of Practice
Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

EU Legislation

The UN Globally Harmonised System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 453/2010 of 20th May 2010 amending regulation (EC) No 1907/2006

15.2. Chemical Safety Assessment

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313

Methanol: CAS-No. 67-56-1, Revision Date: 2007-07-01

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

Phosphoric Acid: CAS-No. 7664-38-2, Revision Date: 1993-04-24

Methanol: CAS-No. 67-56-1, Revision Date: 2007-07-01

Pennsylvania Right To Know Components

Water: CAS-No. 7732-18-5

Phosphoric Acid: CAS-No. 7664-38-2, Revision Date: 1993-04-24

Methanol: CAS-No. 67-56-1, Revision Date: 2007-07-01

New Jersey Right To Know Components

Water: CAS-No. 7732-18-5

Phosphoric Acid: CAS-No. 7664-38-2, Revision Date: 1993-04-24

Methanol: CAS-No. 67-56-1, Revision Date: 2007-07-01

California Prop. 65 Components

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Methanol: CAS-No. 67-56-1, Revision Date: 2012-03-16

SECTION 16: OTHER INFORMATION

Acute Tox.	Acute Toxicity
Eye Dam.	Serious eye damage
Flam. Liq.	Flammable liquids
H225	Highly flammable liquid and vapor
H290	May be corrosive to metals.
H301 + H311 + H331	Toxic if swallowed, in contact with skin or if inhaled
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H370	Causes damage to organs
Met. Corr.	Corrosive to metals
Skin Corr.	Skin corrosion
STOT SE	Specific target organ toxicity

HIMS Rating

Health	3	0- least 1- slight 2- moderate 3- high 4- extreme
Flammability	0	
Chronic Health Hazard	*	
Physical Hazard	0	

NFPA Rating

Health	3	0- least 1- slight 2- moderate 3- high 4- extreme
Fire Hazard	0	
Reactivity Hazard	0	

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.