Material Safety Data Sheet – InSight V-CHEM Preanaesthetic Plus Panel

Section 1 – Product and Company Identification

Manufacturer: Woodley Equipment Company Ltd.
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Product Name: InSight V-CHEM Preanaesthetic Plus Panel

Packaging Specification: 1 Disc/Sample.

Product Description: Solid spherically lyophilised beads are enclosed in a sealed, plastic packaging.

The Preanaesthetic Plus Panel, used with the InSight V-CHEM Chemistry Analyser, is intended to be used for the in vitro quantitative determination of total protein (TP), alanine aminotransferase (ALT), blood urea nitrogen (BUN), creatinine (CRE), creatine kinase (CK), alkaline phosphatase (ALP), glucose (GLU), lactate dehydrogenase (LDH) and aspartate aminotransferase (AST) in heparinised whole blood, heparinised plasma or serum in a clinical laboratory setting or point of care location.

Section 2 – Composition/Information on Ingredients

Material Name	CAS No.	Character
2,4,6- Tribromo-3- hydroxybenzoic acid	14348-40-4	White crystal
4-Aminoantipyrine hydrochloride	22198-72-7	Yellowish powder
4-Nitrophenylphosphoric acid bis(trimethylolvanamide) salt hydrate	68189-42-4	Solid
ADP potassium salt	72696-48-1	White Powder
AMP	61-19-8	White Powder
AP5A	75522-97-3	White Powder
D- trehalose	6138-23-4	White Powder
D- glucose	50-99-7	White Powder
D-Lactate dehydrogenase	1.1.1.28	Yellow suspension
D- sorbitol	50-70-4	Yellow liquid
L- Alanine	56-41-7	White Powder
L- Aspartic acid	56-84-8	White Powder
NADH	58-68-4	White Powder
NADP Sodium salt	53-59-8	White Powder

N- Tris(hydroxymethyl) methyl-3 - aminopropanesulfonic acid	29915-38-6	White Powder
N- Acetyl-L- cysteine	616-91-1	White Powder
Polyethylene glycol	25322-68-3	Transparent viscous liquid
Thesit	9002-92-0	Clear oily liquid
Triton X-100	9002-93-1	Liquid
α-ketoglutaric acid	328-50-7	White Powder
cholic acid	81-25-4	White Powder
Sodium cholate	361-09-1	White Powder
Potassium iodide	7681-11-0	White Powder
Iodonitrotetrazolium chloride blue	146-68-9	Yellow powder
Adenosine diphosphate	58-64-0	White powder
D- Mannitol	69-65-8	White powder
Glutamate dehydrogenase	1.4.1.3	White Powder
Peroxidase	1.11.1.7	Reddish-brown powder
Diaphorase(enzyme)	1.6.5.2	Yellowish powder
Sarcosine oxidase	1.5.3.1	Yellow powder
Inositol	87-89-8	White Powder
Creatininase	3.5.2.10	White powder
Creatinase	3.5.3.3	White powder
Hexokinase	2.7.1.1	White powder
Potassium sodium tartrate ▪ 4H 2O	6381-59-5	White powder
Polyethylene glycol 3350	25322-68-3	Transparent viscous liquid
Polyethylene glycol 8000	25322-68-3	Transparent viscous liquid
Polyvinylpyrrolidone	9003-39-8	White powder
Ascorbase	1.10.3.3	Light blue powder
Creatine phosphate	922-32-7	White solid
Magnesium sulfate	7487-88-9	White powder
Magnesium chloride hexahydrate	7791-18-6	White powder
Potassium chloride	7447-40-7	White powder
Sodium chloride	7647-14-5	White powder
Imidazole	288-32-4	White powder
Urease	3.5.1.5	White powder
Bovine Serum Albumin	9048-46-8	White powder
Piperazine-N,N- bis(2- ethanesulfonic acid)	5625-37-6	White powder
Malate dehydrogenase	1.1.1.37	White powder
Dextran 10000	9004-54-0	White powder
Dextran 40000	9004-54-0	White powder

Glucose-6-phosphate dehydrogenase	1.1.1.49	White powder
Zinc Sulfate Heptahydrate	7446-20-0	White solid
Sodium hydroxide	1310-73-2	White powder
Lithium lactate	867-55-0	White powder
Adenosine triphosphate (ATP)	51963-61-2	White powder
Trometamol	77-86-1	White powder
Starch soluble	9005-84-9	White solid
Sodium carbonate	497-19-8	White powder
Sodium bicarbonate	144-55-8	White powder
Copper sulfate pentahydrate	7758-99-8	Blue solid
Potassium ferrocyanide	13943-58-3	Yellow crystal
Oxidative coenzyme I	53-84-9	White powder
Ethylenediaminetetraacetic acid	60-00-4	White powder
Magnesium acetate tetrahydrate	16674-78-5	White powder
Sucrose	57-50-1	White powder

Section 3 – Hazard Identification

Classification: Not a hazardous substance or mixture.

Hazard Statement(s): Not a hazardous substance or mixture.

Section 4 – First Aid Measures

Eye Contact: Flush open eye under running water for 15 minutes or longer. If pain or irritation occurs, seek medical attention immediately.

Skin Contact: Wash contacted skin with soap and water. Remove contaminated clothing. If pain or irritation occurs, seek medical attention immediately.

Ingestion: Rinse mouth with water and seek medical attention immediately.

Inhalation: Move to a place with fresh air. If pain or irritation occurs, seek medical attention immediately.

Section 5 – Fire Fighting Measures

Extinguishing Media: Water spray, foam, carbon dioxide and dry chemical powder.

Special Hazards Arising from the Chemical: The product itself is not flammable but its packaging and surroundings may be combustible, and will release harmful gas or smoke when burning.

Protective Equipment: Wear self-contained breathing apparatus and full protective tools. Extinguish fire upwind, do not inhale gas or smoke. If it is safe to do so, remove the container from the fire area.

Section 6 – Accidental Release Measures

Personal Precautions: No special protection for the product is required.

Measures for Environmental Protection: Avoid the product entering the sewer or water resources.

Measures for Containment and Cleaning: Collect and sort out the leaked materials and handle them together.

Section 7 – Handling and Storage

Handling: Avoid damage and stay away from high temperatures. Wear disposable gloves during operation. Wash hands after operation.

Storage: Refrigerated storage at +2°C to +8°C. Avoid sunlight, keep dry and sealed. Do not store in an environment exceeding +32°C.

Section 8 – Exposure Controls and Personal Protection

Occupational Exposure Limits (OEL): Data not available.

Control Parameters: Data not available.

Monitoring Method: Data not available.

Appropriate Engineering Controls: No specialised engineering controls are required for typical handling and use. Maintain natural ventilation in work areas.

Personal Protective Equipment: Safety glasses, protective gloves and protective work clothing are recommended.

Section 9 – Physical and Chemical Properties

Physical State: Solid.
Odour: Not available.
Odour Threshold: Not available.
pH: Not available.
Melting Point/Freezing Point: Not available.
Density: Not available.
Specific Gravity: Not available.
Internal Boiling Point/Boiling Range: Not available.
Flash Point: Not available.
Evaporation Rate: Not available.
Flammability: Not available.
Upper Explosive Limit % (V/V): Not available.
Lower Explosive Limit % (V/V): Not available.
Vapour Pressure/Density: Not available.
Relative Density (Water=1): Not available.
Solubility(ies): Not available.
Partition Coefficient (n-octanol/water): Not available.
Ignition Temperature: Not available.
Decomposition Temperature: Not available.
Molecular Weight: Not available.

Section 10 – Stability and Reactivity

Stability: Stable under normal ambient storage and handling temperatures.

Distribution of Ban: Not available.

Conditions to Avoid: Not available.

Hazardous Decomposition Products: Not available.

Hazardous Polymerisation: Will not occur.

Section 11 – Toxicological Information

Acute Toxicity: Not available.

Sub-acute and Chronic Toxicity: No known significant effects or critical hazards.

Skin Corrion/Irritation: No known significant effects or critical hazards.

Serious Eye Damage/Irritation: No known significant effects or critical hazards.
Sensitisation: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Reproductive Toxicity: No known significant effects or critical hazards.

Potential Health Effects: No known significant effects or critical hazards.

Section 12 – Ecological Information

Ecotoxicity: No data available.

Biodegradable: No data available.

Non-biodegradable: No data available.

Bioconcentration or Biological Accumulation: No data available.

Other Harmful Effects: No known significant effects or critical hazards.

Section 13 – Disposal Considerations

Dispose of the used reagent discs as medical waste. Unused but expired reagents should be handled in small quantities as hazardous chemicals. Do not dispose of it into household waste or drainage systems.

Polluted packaging materials should be treated as medical waste.

Section 14 – Transport Information

UN Number: Not regulated as dangerous goods.

UN Proper Shipping Name: Not regulated as dangerous goods.

Hazard Class: Not regulated as dangerous goods.

Packing Group: Not regulated as dangerous goods.

Environmental Hazards: None.

Special Precautions for User: No information available.

Section 15 – Regulatory Information

This Safety Data Sheet (SDS) was prepared according to Regulation (EC) No.1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) No. 2020/878 and UN GHS (the 10th revised edition).

Safety, Health & Environmental Regulations/Legislation Specific for the Substance or Mixture:
No information available.

Chemical Safety Assessment:
For this product a chemical safety assessment was not carried out.

Section 16 – Other Information

To the best of our knowledge, the information provided herein is accurate but does not purport to be all inclusive. It is intended to provide a general guidance in terms of safe handling, storage and disposal of materials. Woodley Equipment Company thus assumes no liabilities for any damage or loss resulting from handling or from contact with this product. Contact Woodley Equipment Company if additional information is needed.

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