

## Material Safety Data Sheet

### Section 1 – Manufacture Identification

Manufactured for :	Walker Electronics Limited
Address:	Collingham, Newark, Nottinghamshire, NG23 7LA
Telep hone:	+44 (0)1636 892410
Fax:	+44 (0)1636 894824
Date Issued:	June 2010
Emergency:	For Chemical Emergency please contact your local emergency services.

### Section 2 – Product Information

Product name:	DentaCheck		
Substance Name:	Protein Detection Reagent		
Ingredient Name:	CAS#	Percent	SARA 31
Dye	Proprietary	.01 -10%	No 3
Phosphoric Acid	7664 -38 -2	5 -10%	Yes
Methanol	67 -56 -1	2 -5%	Yes

### Section 3 – Hazards Identification

**Corrosive. Causes burns. Harmful by inhalation, in contact with skin and if swallowed.**

Target organs: Liver, blood, nerves.

### Section 4 – First Aid Measures

Dermal exposure:	In case of contact, wash skin with soap and copious amounts of water for at least 15 minutes. Take off all contaminated clothing, and wash before reuse.
Eye exposure:	In case of contact, flush eyes with copious amounts of water for at least 15 minutes. Consult a physician.
Inhalation exposure:	If directly inhaled, remove to fresh air, if breathing is difficult, provide oxygen if necessary. If not breathing, provide artificial respiration. Consult a physician.
Oral exposure:	If swallowed, wash mouth with water provided person is conscious. Consult a physician.

### Section 5 – Fire Fighting Measures

Flash Point:	N/A
Extinguishing media:	Carbon dioxide, dry chemical powder or appropriate foam.
Special Fire Fighting Procedures:	Wear self -contained breathing apparatus, and protective clothing to prevent contact with skin and eyes. Emits toxic fumes under fire conditions.

### Section 6 – Accidental Release Measures

Person -Related Precautions:	Safety Wear protective equipment in case of spill. Keep unprotected persons away.
Methods for Cleaning up:	Cover with dry lime or soda ask, pick up, keep in a closed container until disposed of, ventilate area and wash spill site after pick up is complete.

### Section 7 – Safe Handling and Storage

Handling:	Use in areas with adequate ventilation, do not directly breathe vapor. Avoid exposure to skin, eyes and clothing.
Storage:	Store in a cool dry place, keep container closed until use. Refrigerate to extend shelf life.

### Section 8 – Exposure Controls/Personal Protection

Personal protective Equipment	Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substance handled.
Respiratory protection:	Required when vapors/aerosols are generated.
Eye protection:	Required .
Hand protection:	Required -use chemical compatible gloves.
Industrial hygiene:	Change contaminated clothing and immerse in water. Discard contaminated shoes. Wash thoroughly after handling.

### Section 9 - Physical/Chemical Properties

Appearance:	Brown to Blue liquid
Odor:	Alcohol characteristic
pH value :	Acid
Melting point :	N/A
Solubility :	Soluble in water

**Section 10 - Stability and Reactivity**

Stability: Avoid strong bases, finely powdered metals.  
 Thermal Decomposition: May produce toxic fumes of phosphorous oxides or phosphine when burned

**Section 11 - Toxicological Information**

Route of exposure:  
 Skin contact: Can cause burns  
 Skin absorption: Harmful if absorbed through skin  
 Eye contact: Causes burns  
 Inhalation: Destructive to mucous membranes and upper respiratory tract  
 Digestion: Harmful if swallowed.  
 Target Organs: Liver  
 Blood  
 Nerves

**Section 12 - Ecological Information**

No data available.

**Section 13 - Disposal Considerations**

Contact a licensed professional for disposal consideration. Observe all federal, state and local environmental regulations.

**Section 14 - Transport Information**

DOT:  
 Shipping Name: Phosphoric Acid, solution  
 UN#: 1805  
 Class: 8  
 Packing Group: Packing Group III  
 Hazard Label: Corrosive

IATA:  
 Shipping Name: Phosphoric Acid, solution  
 IATA UN#: 1805  
 Class: 8  
 Packing Group: Packing Group III

**Section 15 - Regulatory Information**

EU Classification:  
 Symbol of Danger: C  
 Indication of Danger: Corrosive  
 R: R 34 - Causes burns  
 S: S 24 - Avoid contact with eyes  
 S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
 S 35 - This material and container must be disposed of in a safe way  
 S 37 - Wear suitable gloves

US Classification:  
 Indication of danger: Corrosive  
 Risk statements: Causes burns  
 Safety statements: Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. This material and container must be disposed of in a safe way. Wear suitable clothing, gloves and eye protection.

US Regulatory Information  
 SARA listed: Yes  
 Notes: This product is or contains a component that is subject to SARA 313 reporting requirements.

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