

Material Safety Data Sheet

Section 1 – Manufacture Identification

Manufactured for : Walker Electronics Limited
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 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: Wear self -contained breathing apparatus, and protective clothing to prevent contact with skin and eyes. Emits toxic fumes under fire conditions.
 Procedures:

Section 6 – Accidental Release Measures

Person - Related: Safety
 Precautions: 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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