



MATERIAL SAFETY DATA Vista Dental Products
Methylene Blue 1%

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SECTION 1 - PRODUCT IDENTIFICATION

Company Name: Inter-Med, Inc. /Vista Dental Products
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Racine, WI 53404
Phone: (877) 418-4782
Fax: (262) 636-9760
Prepared: June 3, 2003 Revised March 17, 2008

SECTION II – COMPOSITION, INFORMATION OF INGREDIENTS
(ND = NOT DETERMINED) (NA = NOT APPLICABLE)

| CAS# | Chemical Name | Percent | EINECS/ELINCS |
|-----------|---------------------------|---------|---------------|
| 7732-18-5 | Water | 99 % | 231-791-2 |
| 7220-79-3 | Methylene blue trihydrate | 1 % | unlisted |

SECTION III – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance: blue liquid. **Caution!** Eye contact may result in permanent eye damage.

Target Organs: None.

Potential Health Effects

Eye: This product contains a cationic dye. Similar dyes have caused permanent injury to the cornea and conjunctiva in documented exposure cases with human or rabbit eyes.

Skin: Non-irritating to the skin.

Ingestion: No hazard expected in normal industrial use.

Inhalation: No hazard expected in normal industrial use.

Chronic: No information found.

SECTION IV – FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin: Get medical aid if irritation develops or persists. Flush skin with plenty of soap and water.

Ingestion: Get medical aid if irritation or symptoms occur.

Inhalation: Get medical aid if cough or other symptoms appear.

Notes to Physician: Treat symptomatically and supportively.



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SECTION V – FIRE FIGHTING MEASURES

General Information: Material will not burn.

Extinguishing Media: Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

Flash Point: Not applicable.

Autoignition Temperature: Not applicable.

Explosion Limits, Lower: Not available.

Upper: Not available.

NFPA Rating: (estimated) Health: 1; Flammability: 0; Instability: 0

SECTION VI – ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

SECTION VII – HANDLING AND STORAGE

Handling: Wash thoroughly after handling. Wash hands before eating. Use with adequate ventilation. Avoid contact with eyes.

Storage: Keep container closed when not in use.

SECTION VIII – EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Good general ventilation should be sufficient to control airborne levels.

Exposure Limits

| Chemical Name | ACGIH | NIOSH | OSHA - Final PELs |
|---------------------------|-------------|-------------|-------------------|
| Water | none listed | none listed | none listed |
| Methylene blue trihydrate | none listed | none listed | none listed |

OSHA Vacated PELs: Water: No OSHA Vacated PELs are listed for this chemical. Methylene blue trihydrate: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.



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SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Appearance: blue

Odor: Odorless.

pH: Not available.

Vapor Pressure: Not available.

Vapor Density: Not available.

Evaporation Rate: Not available.

Viscosity: Not available.

Boiling Point: 100 deg C

Freezing/Melting Point: 0 deg C

Decomposition Temperature: Not available.

Solubility: Complete in water.

Specific Gravity/Density: 1.0 (Water=1)

Molecular Formula: Not applicable.

Molecular Weight: Not available.

SECTION X – STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: None reported.

Incompatibilities with Other Materials: None reported

Hazardous Decomposition Products: None.

Hazardous Polymerization: Has not been reported

SECTION XI – TOXICOLOGY INFORMATION

RTECS#:

CAS# 7732-18-5: ZC0110000

CAS# 7220-79-3: SP5740000

LD50/LC50:

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg; <BR.

CAS# 7220-79-3: <BR.

Carcinogenicity:

CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 7220-79-3: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: No information available

Teratogenicity: No information available

Reproductive Effects: No information available

Neurotoxicity: No information available

Mutagenicity: No information available

Other Studies: No data available.



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SECTION XII – ECOLOGICAL INFORMATION

No information available.

SECTION XIII – DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

SECTION XIV – TRANSPORTATION INFORMATION

| | US DOT | Canada TDG |
|-----------------------|---------------------------|---------------------------|
| Shipping Name: | No information available. | No information available. |
| Hazard Class: | | |
| UN Number: | | |
| Packing Group: | | |

SECTION XV – REGULATORY INFORMATION

US FEDERAL

TSCA

CAS# 7732-18-5 is listed on the TSCA inventory.

CAS# 7220-79-3 is not listed on the TSCA inventory. It is for research and development use only.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

SARA

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 7220-79-3: acute, chronic.



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Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 7732-18-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

CAS# 7220-79-3 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

Not available.

Risk Phrases:

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 7732-18-5: No information available.

CAS# 7220-79-3: No information available.

Canada - DSL/NDL

CAS# 7732-18-5 is listed on Canada's DSL List.

Canada - WHMIS

WHMIS: Not available.

Canadian Ingredient Disclosure List

SECTION XVI – ADDITIONAL INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. The information relates only to the specific material designated and does not relate to its use in combination with other materials or its use as to any particular process. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Inter-Med Inc. / Vista Dental Products be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Inter-Med Inc. / Vista Dental Products has been advised of the possibility of such damages.