

**SECTION 1 IDENTIFICATION**

**Product Name:** SPARKL® Dental Instrument Concentrate  
**Part Number:** 205472  
**Manufacturer:** StarDental®  
 1816 Colonial Village Lane  
 Lancaster, PA 17601  
 717-291-1161, Fax 717-291-3249  
**Product Information:** 1-866-DTE-INFO (1-866-383-4636)  
**Emergency Response:** FOR CHEMICAL EMERGENCY  
 Spill, Leak, Fire Exposure or Accident  
 Call INFOTRAC - 24 Hour Number: 1-800-535-5053  
 Outside of the United States Call 24 Hour Number: 001-352-323-3500

**SECTION 2 HAZARD(S) IDENTIFICATION**

**Classification:** Hazardous  
**Warning:** This product has been evaluated and does not require any hazard warning label under the OSHA Hazard Communication Standard.  
 Suggested H.M.I.S. Rating .....2-0-0-E  
 Potential Routes of Entry  
 Inhalation .....Yes  
 Skin.....Yes  
 Ingestion.....Yes  
 Health Hazards (Chronic Effects)..... Not known  
 Health Hazards (Acute).....May cause eye irritation, prolonged skin contact can be a mild irritant  
 Carcinogenicity  
 National Toxicology Program.....No  
 I.A.R.C. Monographs .....No  
 O.S.H.A. Regulated .....No

**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name ..... N/A Chemical Family ..... N/A Formula..... 205472

Chemical & Common Name(s)	CAS#	PEL	TLV	Vapor Pressure @ 20° F	LEL	UEL	Flash Point (° F)
Sodium Nitrite	1-5%	7632-00-0	N/D	N/D	N/A	N/E N/E	N/A
Water	55-90%	7732-18-5	N/A	N/A	N/A	N/A	N/A

**SECTION 4 FIRST AID MEASURES**

Eyes ..... Flush with large amounts of water. Contact a physician immediately.  
 Ingestion..... Give large quantities of water and several glasses of milk. If vomiting occurs, keep airways clear and provide more water. Contact a physician immediately.  
 Inhalation..... If inhaled, move to fresh air. Contact a physician immediately.  
 Skin..... Wash skin with water. Contact a physician immediately. Wash clothing before reuse. Discard non-rubber shoes.  
**Signs and Symptoms of Exposure:**  
 Eyes ..... Can cause irritation with discomfort, tearing or blurring of vision  
 Ingestion ..... Can irritate mouth, esophagus and stomach. Oral LD 50 not established.  
 Inhalation ..... Can cause irritation of the upper respiratory tract and coughing may occur.  
 Skin Contact ..... Can cause irritation with discomfort or rash.  
 Skin Absorption..... No acute effects known.  
 Medical Conditions Generally Aggravated by Exposure..... Not Established

**SECTION 5 FIRE FIGHTING MEASURES**

**Extinguisher Media** -  
 Water Fog, Dry Chemical, Foam or CO2  
**Special Fire Fighting Procedures** -  
 Normal firefighting procedures may be used.  
**Unusual Fire/Explosion Hazards** -  
 No special hazards known. Contents can build up pressure. Do not store near heat or high temperature source.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

Use proper personal protective equipment as indicated in Section 8.  
**Spill and/or Leak Response** -  
 Absorb spill with inert material (e.g. dry sand or earth) then place in a chemical waste container. Rinse affected area with water.

**SECTION 7 HANDLING AND STORAGE**

**Storage** -  
 Store in closed containers in a cool, dry well ventilated area. Maintain closure of bungs. Store at temperatures between 40°F and 120°F. Do not reuse container.  
**Handling** - **WARNING**  
 Avoid contact with skin, eyes, and clothing. Do not wear contact lenses when handling this product. Keep out of reach of children. Wash thoroughly after handling.

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Respiratory Protection** -  
 If mist/vapors are not adequately controlled by ventilation, use NIOSH/OSHA approved respiratory protection.  
**Ventilation** -  
 None required  
**Protective Gloves** -  
 Wear rubber gloves.  
**Eye Protection** -  
 Safety glasses with side shields or chemical goggles. Do not wear contact lenses.  
**Other Protective Wear** -  
 Wear appropriate clothing to avoid skin contact.  
**Work Practices** -  
 Read label for instructions in use of product. Recap when not in use and store in ambient temperature away from heat source.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance ..... clear red liquid  
 Odor..... medicinal odor  
 Odor Threshold..... not applicable  
 pH.....9.9  
 Melting Point/Freezing Point..... not applicable  
 Initial Boiling Point and Boiling Range..... >100°C (212°F)  
 Flash Point.....None  
 Evaporation Rate (Butyl Acetate=1) ..... not available  
 Flammability (solid,gas) ..... not available  
 Upper/Lower Flammability or Explosive Limits:  
 LEL..... not applicable  
 UEL..... not applicable  
 Vapor Pressure (mm Hg.)..... @ 20°C (100°F): not applicable  
 Vapor Density (Air=1)..... not applicable  
 Relative Density ..... not available  
 Solubility(ies).....soluble in water  
 Partition Coefficient: n-octanol/water ..... not available  
 Auto-ignition temperature..... not available  
 Decomposition Temperature..... not available  
 Viscosity ..... not available  
 Specific Gravity (H<sub>2</sub>O=1) .....1.15  
 Percent Volatile by Weight (%) ..... not available

**SECTION 10 STABILITY AND REACTIVITY**

**Stability:**  
 Stable  
**Incompatibility:**  
 Strong Acids and Strong Oxidizing Agents  
**Conditions to Avoid:**  
 Not Known  
**Hazardous Decomposition Products:**  
 Oxides of carbon, nitrogen, sodium and sulfur  
**Hazardous Polymerization:**  
 Will Not Occur  
**Chronic Effects:**  
 Not Known

## SECTION 11 TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Information not available  
**Skin Corrosion/Irritation:** Information not available  
**Serious Eye Damage/Irritation:** Information not available  
**Respiratory or Skin Sensitization:** Information not available  
**Germ Cell Mutagenicity:** Information not available  
**Carcinogenicity:** Information not available  
**Reproductive Toxicity:** Information not available  
**STOT - Single Exposure:** Information not available  
**STOT - Repeated Exposure:** Information not available  
**Ingestion:** Information not available  
**Effects:** Information not available  
**Listings:** No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program, the U.S. Occupational Safety and Health Act, or the International Agency on Research on Cancer.

DO NOT ADD AMINES TO THIS PRODUCT.

Product contains sodium nitrite which can react with amines to form nitrosamines which are known to be animal carcinogens.

Absorption of sodium nitrite into the body may lead to the formation of methemoglobin which in sufficient concentration causes cyanosis. Since reversion of methemoglobin to hemoglobin occurs spontaneously after termination of exposure, moderate degrees of cyanosis need to be treated only by supportive measures such as bed rest and oxygen inhalation. Thorough cleansing of the entire contaminated area of the body including scalp and nails is of utmost importance.

## SECTION 14 TRANSPORT INFORMATION

**UN Number:** Not regulated  
**UN Proper Shipping Name:** Not regulated  
**Transport Hazard Class(es):** Not regulated  
**Packing Group, if applicable:** Not regulated  
**Environmental Hazards:**  
Marine Pollutant (Yes/No): Not regulated  
Other(s): Not regulated  
**Transport in Bulk** (according to Annex II of MARPOL 73/78 and the IBC Code): Not regulated  
**Special Precautions:** Not regulated

## SECTION 12 ECOLOGICAL INFORMATION

**Ecotoxicity:**  
Aquatic: The toxicity of this material to aquatic organisms has not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water.  
Terrestrial: Information not available.  
See sections 6 for accidental release measures.  
**Persistence and Degradability:** Information not available.  
**Bioaccumulative Potential:** Information not available.  
**Mobility in Soil:** Information not available.  
**Other Adverse Effects (such as hazardous to the ozone layer):** Information not available.

## SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations. The materials resulting from clean-up operations may be hazardous wastes and subject to specific regulations. Package, store, transport, and dispose of in accordance with all applicable local, state, and federal regulations.

## SECTION 15 REGULATORY INFORMATION

**OSHA Hazard Communication Standard:**  
Hazardous Chemical: yes  
**TSCA Status:** All components of this product are listed on the TSCA inventory.  
**SARA Status:**  
Section 311: Hazardous Chemical - yes  
Immediate - yes  
Delayed - yes  
Fire - no  
Sudden Release - no  
Reactive - no  
Section 313: Toxic Chemical - yes  
**California Proposition 65**  
This product contains no listed substances known to the state of California to cause cancer, birth defects or other reproductive harm at levels which would require a warning under statute.

## SECTION 16 OTHER INFORMATION

Safety Data Sheet 61909 Rev G: Date of Preparation 2015/11/30  
This safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. The information herein is given in good faith but no warranty, either express or implied, is made.