

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

076586671

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

076588149



A DentalEZ Group Brand

## Material Safety Data Sheet

**StarDental®**  
Division of DentalEZ Group  
1816 Colonial Village Lane  
Lancaster, PA 17601  
717-291-1161 • 1-866-DTE-INFO  
Fax: 717-291-3249  
61909 E



### SECTION I

Product Name: SPARKL® Dental Instrument Concentrate

Part Number: 205472

Manufacturer: StarDental®  
1816 Colonial Village Lane  
Lancaster, PA 17601

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

Date of Issue: 11/27/2009

### SECTION II: HAZARD INGREDIENTS AND IDENTITY INFORMATION

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
Non-hazardous Ingredients	N/A	N/A	N/A	N/A	N/A	N/A	N/A

### SECTION III: PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point (° F) ..... 100°C  
Specific Gravity (H<sub>2</sub>O=1) ..... 1.15  
Vapor Pressure (mm Hg.) ..... @ 20°C: N/A  
Percent Volatile by Weight (%) ..... N/E  
pH ..... 9.9  
Melting Point ..... N/A

Vapor Density (Air=1) ..... N/A  
Evaporation Rate (Butyl Acetate=1) ..... N/E  
Solubility in Water ..... Complete  
Appearance and Odor  
Concentrate ..... Clear red liquid with medicinal odor  
Finished Package ..... Plastic bottle

### SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point ..... None  
Flammable Limits in air by Volume ..... N/A  
LEL ..... N/A  
UEL ..... N/A  
Extinguisher Media ..... Water Fog, Dry Chemical, Foam or CO<sub>2</sub>  
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 V: REACTIVITY DATA

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 VI: HEALTH HAZARD DATA

Routes of Entry  
Inhalation ..... No  
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

## SECTION VI: HEALTH HAZARD DATA (CONT.)

### Carcinogenicity

National Toxicology Program..... No  
I.A.R.C. Monographs..... No  
O.S.H.A. Regulated..... No

### Signs and Symptoms of Exposure

Eyes:..... Can cause irritation with discomfort,  
tearing or blurring of vision  
Skin Absorption:..... No acute effects known.  
Skin Contact:..... Can cause irritation with discomfort or rash.  
Inhalation:..... Can cause irritation of the upper  
respiratory tract and coughing may occur.  
Ingestion:..... Can irritate mouth, esophagus and stomach.  
Oral LD 50 not established.

Medical Conditions Generally Aggravated by Exposure..... N/E

### Emergency and First Aid Procedures

Eyes:..... Flush with large amounts of water.  
Contact a physician immediately.  
Skin:..... Wash skin with water.  
Contact a physician immediately.  
Wash clothing before reuse. Discard non-rubber shoes.  
Inhalation:..... If inhaled, move to fresh air.  
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.

## SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

### Steps to be Taken if Released or Spilled

Spill & 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.

Waste Disposal..... 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.

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 : Danger:..... 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 VIII: CONTROL MEASURES

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 IX: OTHER HAZARD INFORMATION

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 X: ADDITIONAL REGULATORY INFORMATION

OSHA (Occupational Safety and Health Administration)

29 CFR 1910.1200 Hazardous Chemical: yes

TSCA Status: All components of this product are listed on the  
TSCA inventory.

SARA (Superfund Amendment and Reauthorization Act)

Section 311: Hazardous Chemical - yes  
Immediate - yes  
Delayed - yes  
Fire - no  
Sudden Release - no  
Reactive - no

Section 313: Toxic Chemical - yes

Sodium Nitrite, CAS No. 7632-00-0: 1-5%

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.

*The information herein is given  
in good faith, but no warranty,  
expressed or implied, is made.*



For new products, manuals and  
technical information, call  
1-866-DTE-INFO or visit  
our web site @ [www.dentalez.com](http://www.dentalez.com).