

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 DentEZ Group Brand

Material Safety Data Sheet

StarDental®
Division of DentEZ 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 (H₂O=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 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 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.