



SECTION 1 IDENTIFICATION

PRODUCT NAME: SPARKL® Dental Instrument Concentrate
PART NUMBER: 205472
MANUFACTURER: DENTALEZ, Inc.,
 StarDental® Division
 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

RECOMMENDED USE: Dental Instrument Cleaner

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. Rating2-0-0-E

Potential Routes of Entry

Inhalation Yes
 Skin Yes
 Ingestion Yes

Health Hazards (Chronic Effects) Not known
 Health Hazards (Acute) Eye Corrosive Category 1 H318-Causes serious eye damage,
 Skin Irritant-Category 2 H315-Causes skin irritation

Carcinogenicity

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

Wash after handling

Contaminated work clothing should not be allowed out of the workplace

Wear protective gloves/protective clothing/eye protection.

If on skin wash with soap and water.

If skin irritation occurs, seek medical attention immediately.

If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Wash contaminated clothing before reuse.

Dispose of contents/ container to an approved waste disposal plant.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical NameN/A Chemical FamilyN/A Formula205472

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/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 cold water for at least 15 minutes. Do not let victim rub eyes. If irritation develops, 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. Do not induce vomiting. Contact a physician immediately.

Inhalation..... If inhaled, move to fresh air. If victim has stopped breathing give artificial respiration, preferably, mouth to mouth. Contact a physician immediately.

Skin..... Wash affected area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use. Discard non-rubber shoes. Contact a physician if irritation Develops.

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 -

Dry Chemical, Alcohol Foam or CO2

SPECIAL FIRE FIGHTING PROCEDURES -

Normal fire fighting 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.

PPE AND PRECAUTIONS FOR FIRE FIGHTERS

Isolate fire area and deny unnecessary entry. Use dry chemical, alcohol foam or carbon dioxide. Water may be ineffective but should be used to keep fire exposed containers cool. If a spill or a leak has not ignited, use water spray to disperse the vapors. Water spray may be used only to keep fire exposed containers cool, protect personnel attempting to stop leak and disperse vapors.

FLASH POINT: N/A
 Method Used: N/A

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.

ENVIRONMENTAL PRECAUTIONS

Do not allow spilled material to enter sewers or streams. If material is released, indicate that there is a risk of slipping in the area. If spills are likely to enter any drain, waterway or groundwater, contact the appropriate governmental agency.

METHODS AND MATERIALS FOR CONTAINMENT

Add dry material to absorb (if large spill, dike to contain). Using recommended protective equipment, pick up bulk of spill and containerize for recovery or disposal. Flush area with water to remove residues.

SECTION 7 HANDLING AND STORAGE

⚠ WARNING

PRECAUTIONS FOR SAFE HANDLING

Read label for instructions in use of product. Prevent small spills and leakage to avoid slip hazard. Avoid contact with skin, eyes, and clothing. Do not wear contact lenses when handling this product. Keep out of the reach of children. Wash thoroughly after handling. Material can accumulate static charges which may cause an electrical spark (ignition source).

CONDITIONS FOR SAFE STORAGE

Store in closed containers in a cool, dry well ventilated area not exposed to sunlight. Maintain closure of bungs. Do not reuse container. Avoid container damage while storing. Do not allow material to be stored below OC. Do not allow material to freeze. Empty containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, bronze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death. Do not attempt to refill containers since residue is difficult to remove. Empty drums should be completely drained, properly bunged and returned to a drum reconditioner. All containers should be disposed of in the environmentally safe manner in accordance with governmental regulations.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION -

General room ventilation should be satisfactory. Exhaust ventilation may be necessary if misting is generated. If mist/vapors are not adequately controlled by ventilation, use NIOSH/OSHA approved respiratory protection.

VENTILATION -

None required

HAND PROTECTION -

Rubber gloves are required for single, short duration exposure and for prolonged or repeated exposures.

EYE PROTECTION -

Safety glasses with side shields or chemical goggles. Do not wear contact lenses.

BODY PROTECTION-

For single, short duration and for prolonged or repeated exposure and for prolonged or repeated exposures.

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.

APPROPRIATE ENGINEERING CONTROLS:

Proper protection and controls is dependent upon the potential exposure conditions. No special requirements are needed under ordinary conditions where adequate ventilation is available.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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

SECTION 10 STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable at normal conditions.	CONDITIONS TO AVOID: Excessive heat.	HAZARDOUS POLYMERIZATION: Will not occur
POSSIBILITY OF HAZARDOUS REACTIONS: Not expected and hazardous polymerization will not occur	HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, nitrogen, sodium and sulfur	CHRONIC EFFECTS: Not known
INCOMPATIBILITY: Strong acids and strong oxidizing agents		

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: 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.
INHALATION: Inhalation of vapors or mist can be irritating to respiratory passages	DO NOT ADD AMINES TO THIS PRODUCT.
SKIN: Prolonged contact can cause skin irritation.	Product contains sodium nitrite which can react with amines to form nitrosamines which are known to be animal carcinogens.
EYES: Contact can cause irritation.	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.
ORAL: None Known	Thorough cleansing of the entire contaminated area of the body including scalp and nails is of utmost importance.
SYSTEMIC (other target organ) EFFECTS: None Known	
TERATORLOGY (birth defects): None Known	
REPRODUCTIVE EFFECTS: None Known	
MUTAGENICITY (effects on genetic material): None Known	
CARCINOGENICITY: IARC: NO NTP: NO OSHA: No	

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY:	PERSISTENCE AND DEGRADABILITY: Information not available.
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.	BIOACCUMULATIVE POTENTIAL: Information not available.
TERRESTRIAL: Information not available. See sections 6 for accidental release measures.	MOBILITY IN SOIL: Information not available.
	OTHER ADVERSE EFFECTS (such as hazardous to the ozone layer): Information not available.

SECTION 13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Dispose of in accordance with federal, state and local regulations.
PRECAUTION FOR DISPOSAL: All recovered material should be packaged, labeled, transported and disposed or reclaimed in conformance with Good Engineering Practices. Comply with all applicable governmental regulations. Avoid land filling of liquids. Reclaim where possible.

SECTION 14 TRANSPORT INFORMATION

UN NUMBER: Not regulated	PACKING GROUP, IF APPLICABLE: Not regulated	SPECIAL PRECAUTIONS: Not regulated
UN PROPER SHIPPING NAME: Not regulated	ENVIRONMENTAL HAZARDS:	USA DOT: Not designated as a hazardous material by the USA DOT.
TRANSPORT HAZARD CLASS(ES): Not regulated	MARINE POLLUTANT (YES/NO): Not regulated	RID/ADR: Not regulated by RID/ADR
PACKING GROUP, IF APPLICABLE: Not regulated	OTHER(S): Not regulated	IMO: Not regulated by IMO
ENVIRONMENTAL HAZARDS:	TRANSPORT IN BULK (according to Annex II of MARPOL 73/78 and the IBC Code): Not regulated	IATA: Not regulated by IATA
Marine Pollutant (Yes/No): Not regulated		
Other(s): Not regulated		

SECTION 15 REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD:	Section 313: ToxicChemical=yes Sodium Nitrite, CAS No. 7632-00-0 8.6%	California Proposition 65
HAZARDOUS CHEMICAL: yes		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.
TSCA Status: All components of this product are listed on the TSCA inventory.	OSHA (Occupational Safety, and Health Administration) 29 CFR 1910.1200 Hazardous Chemical: yes	
SARA STATUS:	TSCA (Toxic Substance Control Act)	
Section 311: Hazardous Chemical - yes Immediate - yes Delayed - No Fire - no Sudden Release - no Reactive - no	All of the ingredients in this product are listed on the TSCA Inventory.	

SECTION 16 OTHER INFORMATION

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. 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.

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