

# SAFETY DATA SHEET

NAME OF PRODUCT: SOFTONE™ Liquid

FILE NO.: SDS777

SDS DATE: 04/27/2015

## SECTION 1: IDENTIFICATION

**PRODUCT NAME:** SOFTONE Liquid  
**PRODUCT CODES:** 0921775, 0921777, 0921778, 0921780  
**IDENTIFIED USES:** Dentistry  
**USES ADVISED AGAINST:** Non-dental use  
**MANUFACTURER:** Harry J. Bosworth Company  
**ADDRESS:** 7227 North Hamlin Avenue, Skokie, Illinois 60076-3999, USA  
**TELEPHONE:** 847-679-3400  
**FAX:** 847-679-2080  
**EMAIL:** hjbinfo@bosworth.com  
**EMERGENCY PHONE:** 800-535-5053 (US and Canada)  
 352-323-3500 (International)

## SECTION 2: HAZARDS IDENTIFICATION

**CLASSIFICATION:** Flammable liquids (Category 3)  
 Reproductive toxicity (Category 1B)  
 Acute aquatic toxicity (Category 1)  
 Chronic aquatic toxicity (Category 1)  
**LABELING:** FDA regulated device - exempt from Regulation (US) 29 CFR 1910.1200.  
**PICTOGRAM:**



**SIGNAL WORD:** Danger  
**HAZARD STATEMENTS:**

H226	Flammable liquid and vapor.
H360	May damage fertility or the unborn child.
H410	Very toxic to aquatic life with long lasting effects.

**PRECAUTIONARY STATEMENTS:**

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P234	Keep only in original container.
P235+P410	Keep cool. Protect from sunlight.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/ attention.
P321	Specific treatment (see supplemental first aid instructions on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.
P391	Collect spillage.
P402	Store in a dry place.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to an approved waste disposal plant.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS



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COMPONENT	CAS NO.	%WT	OSHA PEL - TWA	ACGIH TLV - TWA	CLASSIFICATION
Dibutyl phthalate	84-74-2	45-55	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	Repr. 1B; Aquatic Acute 1; Aquatic Chronic 1; H360, H410
Diethyl phthalate	84-66-2	15-25	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	Aquatic Acute 3; H402
Ethanol	64-17-5	15-25	1000 ppm	1000 ppm	Flam. Liq. 2; H225

For full text of H-statements mentioned in this section, see section 16.

### SECTION 4: FIRST-AID MEASURES

**INHALATION:** Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.  
**SKIN:** Wash off with soap and plenty of water. Consult a physician.  
**EYE:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.  
**INGESTION:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### SECTION 5: FIRE-FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA:** Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon.  
**SPECIAL HAZARDS:** Vapors are heavier than air and may travel to ignition source.  
**ADVICE FOR FIREFIGHTERS:** Fight fires from safe distance or protected areas. Cool containers of material exposed to heat with cold water spray. Wear self contained breathing apparatus for firefighting if necessary.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.  
**ENVIRONMENTAL PRECAUTIONS:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.  
**CONTAINMENT AND CLEANUP:** Soak up with inert absorbent material and collect with an electrically protected vacuum cleaner or by wet-brushing. Place in suitable, closed container for disposal according to official regulations.

### SECTION 7: HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Product is intended for dental use only. Handling of this product should be by trained dental healthcare professionals only. Observe normal care for working with chemicals. Avoid contact with the eyes and skin. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge. Keep away from foodstuffs, beverages and animal feed.  
**CONDITIONS FOR SAFE STORAGE:** Store only in the original package. Keep container tightly sealed in a dry and well-ventilated place. Protect from heat and direct sunlight. Store away from food and beverages.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Handle in accordance with good industrial hygiene and safety practice. Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits. Local exhaust ventilation is preferred since it prevents contamination dispersion into the work area by controlling it at its source. Provide eyewash and safety shower if contact or splash hazard exists. Wash hands before breaks and at the end of work.  
**EYE/FACE PROTECTION:** Safety glasses.  
**SKIN PROTECTION:** Glove material impermeable and resistant to the product.  
**BODY PROTECTION:** Protective work clothing.  
**RESPIRATORY PROTECTION:** NIOSH (US) or CEN (EU) approved respirators and components.  
**ENVIRONMENTAL EXPOSURE:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE/COLOR:** Clear, colorless liquid

PREPARED BY: SS

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NAME OF PRODUCT: SOFTONE™ Liquid

ODOR: Characteristic  
INITIAL BOILING POINT: 567°F (297°C)  
FLASH POINT: 125°F (52°C)  
UPPER FLAMMABILITY LIMIT: 19.0  
LOWER FLAMMABILITY LIMIT: 3.3  
VAPOR PRESSURE: 44.6 mmHg  
VAPOR DENSITY (AIR=1.0): 1.59  
RELATIVE DENSITY (H<sub>2</sub>O=1.0): 1.01 g/cm<sup>3</sup>  
WATER SOLUBILITY: Slightly soluble

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### SECTION 10: STABILITY AND REACTIVITY

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**CHEMICAL STABILITY:** Stable under recommended storage conditions.  
**HAZARDOUS REACTIONS:** Vapors may form explosive reactions with air.  
**CONDITIONS TO AVOID:** Heat, flames and sparks. Light. Extremes of temperature and direct sunlight.  
**INCOMPATIBLE MATERIALS:** Alkali metals, ammonia, peroxides, strong bases and oxidizing agents.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon.

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### SECTION 11: TOXICOLOGICAL INFORMATION

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**POTENTIAL HEALTH EFFECTS:** **EYES:** May cause eye irritation with redness, tearing and stinging.  
**SKIN:** May cause skin irritation with redness, swelling and itching. Repeated or prolonged contact may cause drying, defatting of the skin and dermatitis.  
**INGESTION:** May cause mucous membrane and gastrointestinal irritation with nausea, vomiting and diarrhea. May cause nervous system depression with symptoms of headache, dizziness, nausea, vomiting, weakness, fatigue, confusion, and unconsciousness.  
**INHALATION:** May cause mucous membrane and respiratory irritation and central nervous system depression with symptoms of headache, dizziness, drowsiness, nausea, vomiting, and unconsciousness. High vapor concentrations may cause burning sensation of the nose and throat and watering of the eyes.  
**CARCINOGENICITY:** **OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or possible carcinogen by OSHA.  
**ACGIH:** Ethanol is identified as a confirmed animal carcinogen with unknown relevance to humans by ACGIH.  
**NTP:** Ethanol is identified as a known human carcinogen by NTP.  
**IARC:** Ethanol is identified as a human carcinogen by IARC.  
**REPRODUCTIVE TOXICITY:** Dibutyl phthalate and diethyl phthalate are presumed human reproductive toxicants. Overexposure may cause reproductive disorders based on tests with laboratory animals.

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### SECTION 12: ECOLOGICAL INFORMATION

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**ADVERSE EFFECTS:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects. Avoid release to the environment.

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### SECTION 13: DISPOSAL CONSIDERATIONS

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**PRODUCT:** Contact a licensed professional waste disposal service to dispose of this material. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations.  
**CONTAMINATED PACKAGING:** Dispose of as unused product.

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### SECTION 14: TRANSPORT INFORMATION

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**UN NUMBER:** UN1170  
**PROPER SHIPPING NAME:** Ethanol Solution  
**HAZARD CLASS:** 3  
**PACKING GROUP:** III  
**LABEL STATEMENT:** Flammable Liquid

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### SECTION 15: REGULATORY INFORMATION

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## SAFETY DATA SHEET

NAME OF PRODUCT: SOFTONE™ Liquid

### US FEDERAL REGULATIONS

**TSCA:** This product is an FDA regulated device and not subject to TSCA regulations.  
**CERCLA:** This product is an FDA regulated device and not subject to reporting requirements. There may be specific reporting requirements at the local, regional, or state level.  
**SARA 313 TOXIC CHEMICALS:** The following components are subject to reporting levels established by SARA Title III, Section 313 (40 CFR 372): *Dibutyl Phthalate, CAS NO. 84-74-2.*  
**SARA 311/312 HAZARDS:** This product is an FDA regulated device and not subject to reporting requirements.

### US STATE REGULATIONS

**CALIFORNIA PROPOSITION 65:** This product may contain a chemical known to the State of California to cause cancer and/or reproductive toxicity.

### INTERNATIONAL REGULATIONS

**CANADIAN ENVIRONMENTAL PROTECTION ACT:** This product is a medical device and not subject to chemical notification requirements.  
**EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES (EINECS):** This product is a medical device and not subject to chemical notification requirements.

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## SECTION 16: OTHER INFORMATION

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### FULL TEXT OF H STATEMENTS REFERRED TO UNDER SECTION 3

Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
Flam. Liq.	Flammable liquids
H225	Highly flammable liquid and vapor.
H360	May damage fertility or the unborn child.
H402	Harmful to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Repr.	Reproductive toxicity

### NFPA RATING

Health Hazard	2
Fire Hazard	2
Reactivity Hazard	0

**PREPARATION INFORMATION:** This SDS was prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and is to be used only for this product.

**DISCLAIMER:** To the best of our knowledge, the information contained herein is accurate. However, The Harry J. Bosworth Company does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.