

SAFETY DATA SHEETS

This SDS packet was issued with item:

071419290

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

071357789 071419787 071420272

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

071363159 071422609 071422617 272467249 273017349 273021800

MATERIAL SAFETY DATA SHEET

HARRY J. BOSWORTH COMPANY
7227 North Hamlin Avenue
Skokie, Illinois 60076-3999
Information Phone: 847.679.3400
Emergency Phone: 800.535.5053

PRODUCT: Duz All™ Liquid
DATE PREPARED: 3/24/11

N
F
P
A

HAZARD RATING

4 - EXTREME
3 - HIGH
2 - MODERATE
1 - SLIGHT
0 - INSIGNIFICANT

Fire

3

Health

2

Reactivity

2

Special

-

HEALTH HAZARD DATA	
CARCINOGENICITY N/A	NTP N/A
IARC N/A	OSHA REGULATED N/A

EMERGENCY & FIRST AID PROCEDURES
TREATMENT FOR EYE CONTACT Flush eyes for 15 minutes contact physician.
TREATMENT FOR SKIN CONTACT Wash skin with soap and water. Seek medical attention if irritation persists.
TREATMENT FOR INHALATION (BREATHING) Remove person to fresh air. If not breathing give artificial respiration or oxygen. Call physician.
TREATMENT FOR INGESTION (SWALLOWING) Do not induce vomiting. Drink water. If person is unconscious, do not give anything. Call a physician.

HAZARDOUS COMPONENTS	
INGREDIENTS 1. Methyl Methacrylate, stabilized 2. N,N-Dimehty-p-toluidine	PERCENTAGE 1. > 95% 2. < 5%
COMMON NAMES AND SYNONYMS 1. Methacrylic Acid, Methyl-Ester 2. Accelerator	CAS NUMBER 1. 80-62-6 2. 99-97-8
PEL 1. 100 ppm TWA 2. N/E	UN NUMBER 1. UN 1247 2. UN 2810
TLV 1. 50 ppm TWA 2. N/E	

PHYSICAL/CHEMICAL CHARACTERISTICS	
BOILING POINT 216°F	pH N/D
SPECIFIC GRAVITY 0.944g/ml @ 20°C	VAPOR DENSITY 3.5 (Air = 1)
VAPOR PRESSURE 29mmHg @ 68°F (20°C)	EVAPORATION RATE 3 (Butyl Acetate = 1)
APPEARANCE/ODOR Colorless to very slight yellow liquid with acrid acrylic odor.	SOLUBILITY IN WATER 1.5 WT%

EFFECTS & HAZARDS OF OVEREXPOSURE (ACUTE & CHRONIC)
EFFECTS & HAZARDS OF EYE CONTACT May cause eye irritation or cause cornea injury.
EFFECTS & HAZARDS OF SKIN CONTACT Skin irritation, potential skin sensitizer. May cause the formation of methemoglobin.
EFFECTS AND HAZARD OF INHALATION (BREATHING) Eye, nose and throat irritation, headache or dizziness.
EFFECTS & HAZARDS OF INGESTION (SWALLOWING) Seek medical attention immediately.
OTHER REGULATORY INFORMATIN California Proposition 65 Warning: This product may contain a chemical known to the state of California to cause cancer or reproductive toxicity.

PRECAUTIONS FOR SAFE HANDLING & USE
STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED Remove personnel, source of fire, ventilate area, wear self contained apparatus and soak up spill with absorbent material.
WASTE DISPOSAL METHOD Dispose of in accordance with local, state and federal regulations. This material should NOT be allowed to drain to sewers. Incinerate liquid in proper containers. Absorbed materials can be backfilled according to prevailing regulation. Biological digestion can be considered.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE Store in a cool place, away from sunlight and heat. Maintain air space inside container. Keep container tightly closed.
OTHER PRECAUTIONS This product is for professional use only as stated in directions. It is the responsibility of the dentist to train personnel.

REACTIVITY DATA
STABILITY Unstable with heat.
CONDITIONS TO AVOID Avoid heat and ignition source, storage in inert atmosphere, and contamination with foreign materials.
HAZARDOUS DECOMPOSITION PRODUCTS Reducing and oxidizing agents. Material has strong action. Can soften paint and rubber.
HAZARDOUS POLYMERIZATION May occur.
CONDITIONS TO AVOID Excessive heat, oxidizing and reducing agent. Store in absence of inhibitor. Inadvervent addition of catalyst.

FIRE AND EXPLOSION HAZARD DATA	
FLASH POINT 50°F (10°C)	LIMITS LEL 2.1 UEL 12.5
EXTINGUISHING MEDIA Foam, dry chemical, and water spray by trained personnel.	
SPECIAL FIREFIGHTING PROCEDURES Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus. Wear full protective equipment. Cool container with water spray. Fight fire from a distance, heat may rupture containers.	
UNUSUAL FIRE AND EXPLOSION HAZARDS Vapors are uninhibited, may form polymers in vents or flame arresters, resulting in stoppage of vents.	

CONTROL MEASURES
RESPIRATORY PROTECTION NIOSH/MSDA approved air purifying respirator with an organic vapor cartridge may be used.
VENTILATION LOCAL EXHAUST VENTILATION To keep sufficient vapor concentration under 100 ppm per 8 hours.
SPECIAL VENTILATION None
MECHANICAL (GENERAL) VENTILATION None
OTHER VENTILATION Open window if necessary.
PROTECTION GLOVES Impervious gloves - Neoprene or Nitrile gloves.
EYE PROTECTION Safety glasses.
OTHER PROTECTIVE EQUIPMENT Eyewash, lab coat.
WORK & HYGIENIC PRACTICES Wash hands before eating and smoking.

ADDITIONAL INFORMATION	
This MSDS was prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29CFR 1910.1200) and is to be used only for this product. The information contained in this sheet is, to the best of our knowledge, believed to be accurate.	
HEALTH HAZARD INDEX	RATINGS
SEVERE HAZARD	1
SERIOUS HAZARD MODERATE HAZARD	2 ③
SLIGHT HAZARD MINIMUM HAZARD	4 5
SHIPPING INFORMATION	
REGULATED IATA N/A	
PROPER SHIPPING NAME Methyl Methacrylate Monomer - Inhibited	
HAZARD CLASS 3	
IDENTIFICATION NUMBER UN 1247	
PACKAGING GROUP II	
LABEL Flammable Liquid	

To the best of our knowledge, the information contained herein is accurate. However, the Harry J. Bosworth Company and its subsidiaries do not warrant the accuracy of the information contained herein. The user's 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.

SAFETY DATA SHEET
NAME OF PRODUCT: SUPERPASTE™ Base Paste

FILE NO.: SDS851

SDS DATE: 06/19/2014

SECTION 1: IDENTIFICATION

PRODUCT NAME: SUPERPASTE Base Paste
PRODUCT CODES: 0921850, 0921851
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: 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: Warning
HAZARD STATEMENTS: 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.
 P234 Keep only in original container.
 P235+P410 Keep cool. Protect from sunlight.
 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 IF SWALLOWED: Rinse mouth.
 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.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P342+P313 If experiencing respiratory symptoms: Get medical advice/attention.
 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

COMPONENT	CAS NO.	%WT	OSHA PEL - TWA	ACGIH TLV - TWA	CLASSIFICATION
Zinc Oxide	1314-13-2	75-90	10 mg/m ³ (T); 5 mg/m ³ (R)	2 mg/m ³ (R)	Aquatic Acute 1; Aquatic Chronic 1; H410

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. If symptoms persist, get medical attention.
SKIN: Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.
EYE: Rinse thoroughly with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
INGESTION: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

PREPARED BY: SS

PAGE 1 OF 4

SAFETY DATA SHEET

NAME OF PRODUCT: SUPERPASTE™ Base Paste

FILE NO.: SDS851

SDS DATE: 06/19/2014

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and zinc.
SPECIAL HAZARDS: No further relevant information available.
ADVICE FOR FIREFIGHTERS: 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. Evacuate personnel to safe 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: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). 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 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: White Paste
ODOR: Characteristic
MELTING POINT: 3587°F (1975°C)
RELATIVE DENSITY (H₂O=1.0): 5.00 g/cm³
WATER SOLUBILITY: Not soluble

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under recommended storage conditions.
HAZARDOUS REACTIONS: Will not occur.
CONDITIONS TO AVOID: Heat.
INCOMPATIBLE MATERIALS: Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and zinc.

SECTION 11: TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS: **EYES:** May cause eye irritation with redness, tearing and stinging.
SKIN: May cause skin irritation with redness, swelling and itching. Prolonged skin contact can produce a severe dermatitis called oxide pox.
INGESTION: May cause mucous membrane and gastrointestinal irritation with nausea, vomiting and diarrhea.
INHALATION: No health effects expected. Vapors generated at high temperature may result in respiratory track irritation.

PREPARED BY: SS

PAGE 2 OF 4

SAFETY DATA SHEET

FILE NO.: SDS851

NAME OF PRODUCT: SUPERPASTE™ Base Paste

SDS DATE: 06/19/2014

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:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

SECTION 12: ECOLOGICAL INFORMATION

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.

SECTION 13: DISPOSAL CONSIDERATIONS

PRODUCT:

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.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER: N/A
PROPER SHIPPING NAME: N/A
HAZARD CLASS: N/A
PACKING GROUP: N/A
LABEL STATEMENT: N/A

SECTION 15: REGULATORY INFORMATION

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 CHEMICALSThe following components are subject to reporting levels established by SARA Title III, Section 313 (40 CFR 372): *Zinc Oxide, CAS NO. 1314-13-2*.**SARA 311/312 HAZARDS**

This product is an FDA regulated device and not subject to reporting requirements.

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.

SECTION 16: OTHER INFORMATION

FULL TEXT OF H STATEMENTS REFERRED TO UNDER SECTION 3

Aquatic Acute Acute aquatic toxicity
Aquatic Chronic Chronic aquatic toxicity
H410 Very toxic to aquatic life with long lasting effects.

NFPA RATING

Health Hazard 1
Fire Hazard 1
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.

PREPARED BY: SS**PAGE 3 OF 4**

SAFETY DATA SHEET**NAME OF PRODUCT:** SUPERPASTE™ Base Paste**FILE NO.:** SDS851**SDS DATE:** 06/19/2014

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.

SAFETY DATA SHEET

NAME OF PRODUCT: TRIM® Liquid

FILE NO.: SDS091

SDS DATE: 06/19/2014

SECTION 1: IDENTIFICATION

PRODUCT NAME: TRIM Liquid
PRODUCT CODES: 0921090, 0921091, 0921900, 0921903, 0921905, 0921906, 0921909, 0921914, 0921915
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)
Acute toxicity, Oral (Category 5)
Acute toxicity, Dermal (Category 5)
Skin irritation (Category 2)
Skin sensitization (Category 1)
Eye irritation (Category 2A)
Acute toxicity, Inhalation (Category 5)
Specific target organ toxicity - single exposure (Category 3), Respiratory system
Reproductive toxicity (Category 2)
Specific target organ toxicity - repeated exposure (Category 2)
Acute aquatic toxicity (Category 1)
Chronic aquatic toxicity (Category 4)
FDA regulated device - exempt from Regulation (US) 29 CFR 1910.1200.

LABELING:
PICTOGRAM:

SIGNAL WORD: Warning

HAZARD STATEMENTS:

H226	Flammable liquid and vapor.
H303	May be harmful if swallowed.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H333	May be harmful if inhaled.
H335	May cause respiratory irritation.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H413	May cause long lasting harmful effects to aquatic life.
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.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
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.
P303+P361+P353	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for

PREPARED BY: SS

PAGE 1 OF 5

SAFETY DATA SHEET
NAME OF PRODUCT: TRIM® Liquid

FILE NO.: SDS091

SDS DATE: 06/19/2014

P305+P351+P338	breathing. 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.
P312	Call a POISON CENTER or doctor/ physician if you feel unwell.
P321	Specific treatment (see supplemental first aid instructions on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
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

COMPONENT	CAS NO.	%WT	OSHA PEL - TWA	ACGIH TLV - TWA	CLASSIFICATION
Isobutyl methacrylate	97-86-9	60-100	N/E	N/E	Flam. Liq. 3; Skin Irrit. 2; Eye Irrit. 2A; Skin Sens. 1; STOT SE 3; Aquatic Acute 1; H226, H315, H317, H319, H335, H400
Dibutyl phthalate	84-74-2	5-15	5 mg/m ³	5 mg/m ³	Repr. 1B; Aquatic Acute 1; Aquatic Chronic 1; H360, H410
N,N-Dimethyl-p-toluidine	99-97-8	1-5	N/E	N/E	Flam. Liq. 4; Acute Tox. 3; STOT RE 2; Aquatic Acute 3; Aquatic Chronic 3; H227, H301+H311+H331, H373, H412

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 and nitrogen.
SPECIAL HAZARDS:	Sealed containers exposed to elevated temperatures may rupture explosively due to polymerization. Vapors are heavier than air and may travel to ignition source. Vapors are uninhibited and may form polymers in vents or flame arrestors resulting in stoppage of vents.
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
PREPARED BY: SS	

SAFETY DATA SHEET

NAME OF PRODUCT: TRIM® Liquid

FILE NO.: SDS091

SDS DATE: 06/19/2014

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
ODOR:	Acrid
BOILING POINT:	311°F (155°C)
FLASH POINT:	113°F (45°C)
EVAPORATION RATE (BuAc = 1.0):	0.5
UPPER FLAMMABILITY LIMIT:	8.2
LOWER FLAMMABILITY LIMIT:	1.8
VAPOR PRESSURE:	3 mmHg
VAPOR DENSITY (AIR=1.0):	4.91
RELATIVE DENSITY (H2O=1.0):	0.90 g/cm ³

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable under recommended storage conditions. Polymerizes with evolution of heat. Avoid contact with incompatible materials. Unless inhibited, product can polymerize, raising temperature and pressure, possibly rupturing container. Check inhibitor content often adding to bulk liquid if needed. Do not blanket or mix with oxygen-free gas as it renders inhibitor ineffective.
HAZARDOUS REACTIONS:	Vapors may form explosive mixture with air. Polymerizes readily unless inhibited.
CONDITIONS TO AVOID:	Heat, flames, sparks, aging, contamination and absence of an oxygen containing atmosphere above the product. May polymerize upon exposure to light. Extremes of temperature and direct sunlight.
INCOMPATIBLE MATERIALS:	Strong acids, strong bases and oxidizing agents. Material has strong solvent properties and can soften paint and rubber.
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon and nitrogen.

SECTION 11: TOXICOLOGICAL INFORMATION

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.
SKIN SENSITIZATION:	May cause allergic skin reaction.
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: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
REPRODUCTIVE TOXICITY:	Dibutyl phthalate is a presumed human reproductive toxicant. Overexposure may cause reproductive disorders based on tests with laboratory animals.

SAFETY DATA SHEET

NAME OF PRODUCT: TRIM® Liquid

FILE NO.: SDS091

SDS DATE: 06/19/2014

SECTION 12: ECOLOGICAL INFORMATION

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

SECTION 13: DISPOSAL CONSIDERATIONS

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.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER: UN2283
PROPER SHIPPING NAME: Isobutyl methacrylate, stabilized
HAZARD CLASS: 3
PACKING GROUP: III
LABEL STATEMENT: Flammable Liquid

SECTION 15: REGULATORY INFORMATION**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.

SECTION 16: OTHER INFORMATION**FULL TEXT OF H STATEMENTS REFERRED TO UNDER SECTION 3**

Acute Tox.	Acute toxicity
Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquids
H226	Flammable liquid and vapor.
H227	Combustible liquid.
H301+H311+H331	Toxic if swallowed, in contact with skin or if inhaled.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H360	May damage fertility or the unborn child.

PREPARED BY: SS

PAGE 4 OF 5

SAFETY DATA SHEET**FILE NO.:** SDS091**NAME OF PRODUCT:** TRIM® Liquid**SDS DATE:** 06/19/2014

H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Repr.	Reproductive toxicity
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitization
STOT RE	Specific target organ toxicity – repeated exposure
STOT SE	Specific target organ toxicity – single exposure

NFPA RATING

Health Hazard	2
Fire Hazard	2
Reactivity Hazard	2

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.



SAFETY DATA SHEET

NAME OF PRODUCT: DUZ-ALL® Liquid

FILE NO.: SDS262

SDS DATE: 04/13/2015

SECTION 1: IDENTIFICATION

PRODUCT NAME: DUZ-ALL Liquid
PRODUCT CODES: 166260, 166262, 166265, 166269
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 2)
Skin irritation (Category 2)
Skin sensitization (Category 1)
Specific target organ toxicity - single exposure (Category 3), Respiratory system
LABELING: FDA regulated device - exempt from Regulation (US) 29 CFR 1910.1200.

PICTOGRAM:



SIGNAL WORD: Danger

HAZARD STATEMENTS:

H225	Highly flammable liquid and vapor.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
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.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
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.
P312	Call a POISON CENTER or doctor/ physician if you feel unwell.
P321	Specific treatment (see supplemental first aid instructions on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
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.

PREPARED BY: SS

Obtained by Global Safety Management, www.globalsafety.net.com, (877) 683-7460

PAGE 1 OF 4



SAFETY DATA SHEET

NAME OF PRODUCT: DUZ-ALL® Liquid
P501

FILE NO.: SDS262

SDS DATE: 04/13/2015

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS NO.	%WT	OSHA PEL - TWA	ACGIH TLV - TWA	CLASSIFICATION
Methyl methacrylate	80-62-6	60-100	100 ppm	50 ppm	Flam. Liq. 2; Skin Irrit. 2; Skin Sens. 1; STOT SE 3; H225, H315, H317, H335

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: Sealed containers exposed to elevated temperatures may rupture explosively due to polymerization. Vapors are heavier than air and may travel to ignition source. Vapors are uninhibited and may form polymers in vents or flame arrestors resulting in stoppage of vents.
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.
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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PREPARED BY: SS

Obtained by Global Safety Management, www.globalsafety.net.com, (877) 683-7460

PAGE 2 OF 4



SAFETY DATA SHEET

NAME OF PRODUCT: DUZ-ALL® Liquid

FILE NO.: SDS262

SDS DATE: 04/13/2015

APPEARANCE/COLOR: Clear, colorless liquid
ODOR: Acrid
BOILING POINT: 216°F (102°C)
FLASH POINT: 50°F (10°C)
EVAPORATION RATE (BuAc = 1.0): 3
UPPER FLAMMABILITY LIMIT: 12.5
LOWER FLAMMABILITY LIMIT: 2.1
VAPOR PRESSURE: 29 mmHg
VAPOR DENSITY (AIR=1.0): 3.5
RELATIVE DENSITY (H₂O=1.0): 0.95 g/cm³
WATER SOLUBILITY: 1.5 wt%

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under recommended storage conditions. Polymerizes with evolution of heat. Avoid contact with incompatible materials. Unless inhibited, product can polymerize, raising temperature and pressure, possibly rupturing container. Check inhibitor content often adding to bulk liquid if needed. Do not blanket or mix with oxygen-free gas as it renders inhibitor ineffective.

HAZARDOUS REACTIONS: Vapors may form explosive mixture with air. Polymerizes readily unless inhibited.

CONDITIONS TO AVOID: Heat, flames, sparks, aging, contamination and absence of an oxygen containing atmosphere above the product. May polymerize upon exposure to light. Extremes of temperature and direct sunlight.

INCOMPATIBLE MATERIALS: Oxidizing agents, peroxides, amines, bases, acids, reducing agents, halogens. Material has strong solvent properties and can soften paint and rubber.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

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.

SKIN SENSITIZATION: May cause allergic skin reaction.

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: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
IARC: Methyl methacrylate is identified as not classifiable as to its carcinogenicity to humans by IARC.

SECTION 12: ECOLOGICAL INFORMATION

ADVERSE EFFECTS: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13: DISPOSAL CONSIDERATIONS

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.

SECTION 14: TRANSPORT INFORMATION

PREPARED BY: SS

Obtained by Global Safety Management, www.globalsafety.net.com, (877) 683-7460

PAGE 3 OF 4



SAFETY DATA SHEET

NAME OF PRODUCT: DUZ-ALL® Liquid

UN NUMBER: UN1247

PROPER SHIPPING NAME: Methyl methacrylate monomer, stabilized

HAZARD CLASS: 3

PACKING GROUP: II

LABEL STATEMENT: Flammable Liquid

FILE NO.: SDS262

SDS DATE: 04/13/2015

SECTION 15: REGULATORY INFORMATION

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): *Methyl Methacrylate, CAS NO. 80-62-6.*

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.

SECTION 16: OTHER INFORMATION

FULL TEXT OF H STATEMENTS REFERRED TO UNDER SECTION 3

Flam. Liq.	Flammable liquids
H225	Highly flammable liquid and vapor.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitization
STOT SE	Specific target organ toxicity – single exposure

NFPA RATING

Health Hazard	2
Fire Hazard	3
Reactivity Hazard	2

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.