

- 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

HAZARD RATING		
N	4 - EXTREME	
F	3 - HIGH	
P	2 - MODERATE	
A	1 - SLIGHT	
0 - INSIGNIFICANT		

PRODUCT: Softone Liquid
DATE PREPARED: 10/22/98

Hazardous Components	
INGREDIENTS: 1. Plasticizers 2. Alcohol	PERCENTAGE 1. N/A 2. N/A
COMMON NAMES AND SYNONYMS: 1. Allyl Phthlate 2. Ethyl-Alcohol	CAS NUMBER: 1. 84-74-2 2. 64-17-5
PEL: 1. 5mg/m ³ 2. 1000 ppm	UN NUMBER: 1. 3082 2. 1170
TLV: 1. 5mg/m ³ 2. 1000 ppm	

Physical/Chemical Characteristics	
BOILING POINT/FLASH POINT: 567°F	MELTING POINT N/A
SPECIFIC GRAVITY (H₂O=1) 1.120	VAPOR DENSITY >Air
VAPOR PRESSURE: N/A	EVAPORATION RATE: N/A
APPEARANCE/ODOR: Clear liquid with characteristic odor	SOLUBILITY IN WATER: Slightly soluble

Reactivity Data
STABILITY: Stable at room temperature
CONDITIONS TO AVOID: Contact with oxidizing agent
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon
HAZARDOUS POLYMERIZATION: Does not occur
CONDITIONS TO AVOID: Heat and Light

Fire and Explosion Hazard Data	
FLASH POINT: 320°F	LIMITS: LEL: N/A 0.5% UEL: N/A
EXTINGUISHING MEDIA: Water, fog, foam CO ₂ and dry chemicals	
SPECIAL FIREFIGHTING PROCEDURES: Water or foam can cause frothing which can be violent. Fight fire from a safe distance.	
UNUSUAL FIRE AND EXPLOSION HAZARDS: Never use welding or cutting torch near open container. Product can ignite explosively	

Health Hazard Data

CARCINOGENICITY None none	NPT N/A
IARC: N/A	OSHA REGULATED: N/A

Effects and Hazards of Overexposure (Acute and Chronic)

EFFECTS AND HAZARDS OF EYE CONTACT:
Eye irritant

EFFECTS AND HAZARDS OF SKIN CONTACT:
May cause skin irritation.

EFFECTS AND HAZARDS OF INHALATION (BREATHING):
Respiratory tract may be irritated by gross overexposure.

EFFECTS AND HAZARDS OF INGESTION (SWALLOWING):
Headache, drowsiness, loss of appetite, throat irritation, inability to concentrate.

Emergency and First Aid Procedures

TREATMENT FOR EYE CONTACT:
Flush with water for 15 minutes

TREATMENT FOR SKIN CONTACT:
Wash with water and soap.

TREATMENT FOR INHALATION (BREATHING):
Remove individual to fresh air. Get medical attention if discomfort persists

TREATMENT FOR INGESTION (SWALLOWING):
Rinse mouth out with water. Drink water or milk to dilute. Seek medical attention.

Precautions for Safe Handling and Use

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
Sweep up area with absorbant sweeping compound.

WASTE DISPOSAL METHOD:
Dispose of in accordance with local, state and federal laws.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
Store in a cool dry place

OTHER PRECAUTIONS:
Should not be used for cases involving pregnant women. This product is for professional use only as stated in the directions. It is the dentist's responsibility to train personnel.

Control Measures

RESPIRATORY PROTECTION:
Use dust mask.

Ventilation

LOCAL EXHAUST VENTILATION
N/A

SPECIAL VENTILATION:
N/A

MECHANICAL (GENERAL) VENTILATION:
N/A

OTHER VENTILATION:
Open window if necessary

PROTECTION GLOVES:
Use Impervious Gloves

EYE PROTECTION:
Use safety goggles if needed

OTHER PROTECTIVE EQUIPMENT:
N/A

WORK AND 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	2
MODERATE HAZARD	③
SLIGHT HAZARD	4
MINIMUM HAZARD	5

Shipping Information

REGULATED IATA

PROPER SHIPPING NAME:
Ethyl Alcohol

HAZARD CLASS:
3

IDENTIFICATION NUMBER:
UN 1170

PACKAGING GROUP:
III

LABEL: Flammable

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.

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0 - INSIGNIFICANT		Special

PRODUCT: Softone Powder-White
DATE PREPARED: 10/22/98

Hazardous Components	
INGREDIENTS: 1. Ethyl methacrylate polymer 2. Moulding plaster	PERCENTAGE: N/A N/A
COMMON NAMES AND SYNONYMS: 1. Suspension Polymer Plaster	CAS NUMBER: 1. 9003-42-3
PEL: N/A	UN NUMBER: N/A
TLV: N/A	

Physical/Chemical Characteristics	
BOILING POINT/FLASH POINT: N/A	MELTING POINT >150°C
SPECIFIC GRAVITY (H₂O=1) N/A	VAPOR DENSITY N/A
VAPOR PRESSURE: N/A	EVAPORATION RATE: N/A
APPEARANCE/ODOR Fine, free-flowing, white powder with slight acrylic odor.	SOLUBILITY IN WATER: None

Reactivity Data
STABILITY: Stable
CONDITIONS TO AVOID: Heating over 200°C
HAZARDOUS DECOMPOSITION PRODUCTS: methyl methacrylate and allyl methacrylate
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: N/A

Fire and Explosion Hazard Data	
FLASH POINT: N/A	LIMITS: LEL: N/A UEL: N/A
EXTINGUISHING MEDIA: Water, fog, CO ₂ and dry chemicals	
SPECIAL FIREFIGHTING PROCEDURES: Should wear full protective clothing including self-contained breathing apparatus.	
UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A	

Health Hazard Data	
CARCINOGENICITY N/A	NPT N/A
IARC: N/A	OSHA REGULATED: N/A
Effects and Hazards of Overexposure (Acute and Chronic)	
EFFECTS AND HAZARDS OF EYE CONTACT May cause eye irritation	
EFFECTS AND HAZARDS OF SKIN CONTACT: May cause irritation	
EFFECTS AND HAZARDS OF INHALATION (BREATHING) May cause respiratory tract irritation	
EFFECTS AND HAZARDS OF INGESTION (SWALLOWING): May cause discomfort	

Emergency and First Aid Procedures
TREATMENT FOR EYE CONTACT: Wash eyes with plenty of water for 15 minutes. If discomfort persists, see physician.
TREATMENT FOR SKIN CONTACT: Wash skin with soap and water.
TREATMENT FOR INHALATION (BREATHING): Remove person to fresh air. If trouble persists, call physician.
TREATMENT FOR INGESTION (SWALLOWING): Induce vomiting, call physician.
Precautions for Safe Handling and Use
STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Avoid breathing. Keep from contact with skin and eyes. Soak up and store in container for disposal.
WASTE DISPOSAL METHOD: Disposal of in accordance with local, state, and federal regulations.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry place away from light.
OTHER PRECAUTIONS: This product is for professional use only as stated in directions. It is the responsibility of the dentist to train personnel.

Control Measures
RESPIRATORY PROTECTION: Not required under normal usage
Ventilation
LOCAL EXHAUST VENTILATION N/A
SPECIAL VENTILATION: N/A
MECHANICAL (GENERAL) VENTILATION: N/A
OTHER VENTILATION: N/A
PROTECTION GLOVES: Use if necessary
EYE PROTECTION: Use goggles as a safety precaution
OTHER PROTECTIVE EQUIPMENT Use lab apron and dust mask
WORK AND HYGIENIC PRACTICES: Wash hands before eating and smoking

Additional Information	
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SERIOUS HAZARD	2
MODERATE HAZARD	3
SLIGHT HAZARD	④
MINIMUM HAZARD	5
Shipping Information	
REGULATED IATA: N/A	
PROPER SHIPPING NAME: N/A	
HAZARD CLASS: N/A	
IDENTIFICATION NUMBER: N/A	
PACKAGING GROUP: N/A	
LABEL: N/A	

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