



MATERIAL SAFETY DATA SHEET
Product Identity:
DIE STONE CONDITIONER

SECTION I. Identification

REVISION: JULY 2012

Manufacturer

Dental Ventures of America Inc.
1787 Pomona Rd, Suite I
Corona, CA. 92880

Emergency Telephone Number:

Infotrack (800) 535 - 5053

Product Information Number:

(951) 270 - 0606

SECTION II. Composition/Information on Ingredients

Die Stone Conditioner or Thinner	UN #1193 Packing Group II
Chemical Name/Synonyms:	Solvent Solution - Polymer Coating
Common Name:	Die Hardener or Sealant

SECTION III. Hazardous Ingredients/Identify Information

Hazardous Components	OSHA	ACGIH	OTHER LIMITS	%	
Common Names	CAS Number	PEL	TLV	LIMITS	OPTION
Methyl Ethyl Ketone*	(78-93-3)	200 ppm	200 ppm	STEL=300 ppm	70 - 100
Acrylic Resin	(25086-15-1)	NE	NE	NE	10 - 25

Note: Exposure to heat above 200 C may release the following monomer:

Methyl Methacrylate*	(80-62-6)	100 ppm	100 ppm	NE	NE
Hazard Rating (HMIS/NFPA)		Health: 2	Flammability:	3	Reactivity: 0

*This ingredient is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

SECTION IV. First Aid Measures

Eye Contact:	Immediately flush eye with copious amounts of water for 15 minutes. If irritation persists, seek medical attention.
Skin Contact:	Irritation upon direct contact. Remove contaminated clothing and wash affected areas with soap and water.
Inhalation:	Remove to fresh air. Perform artificial respiration if breathing is difficult. Obtain immediate medical attention.
Ingestion:	Do not induce vomiting. Do not give anything to drink. Get immediate medical attention.
Medical Conditions Generally Aggravated by Exposure:	Pre-existing skin disorders. Inhalation of material may aggravate asthma/inflammatory pulmonary disease.
Note to Physician:	There is no specific antidote. Treatment directed to control of symptoms. Aspirated material during vomiting may cause lung injury, therefore, gastric lavage after endotracheal intubation most likely procedure, if necessary.

Product: ***DIE STONE CONDITIONER*****SECTION V.****Fire-Fighting Measures**

Flash Point (Method):	App 25 F (TCC)	Flammable Limits:	LEL: 1.4%	UEL: 11.5%
Extinguishing Media:	Water spray, foam or carbon dioxide.			
Special Fire Fighting Procedures:	Use water spray to cool fire-exposed containers, disperse vapors. Re-ignition is possible. Use self-contained breathing apparatus and protective clothing, which should include Full MSHA/NIOSH Approved Protective Equipment.			
Unusual Fire and Explosion Hazards:	Vapors may travel distances to ignition sources and flash back explosively. This material may produce a floating fire hazard.			
Hazardous Decomposition Products:	Carbon Monoxide			

SECTION VI.**Accidental Release Measures**

Steps To Take if Spilled:	Remove all possible ignition sources. Spills can be contained with non-combustible materials, i.e. sand or earth. Prevent liquid from entering sewers, watercourses, or low areas. Remove contaminated waste material to containers for appropriate disposal.
Small Spills:	Clean with paper towels and dispose of properly, or remove to out of doors to allow vapors to evaporate. Caution: Floors may become slippery.

SECTION VII.**Handling and Storage**

Handling:	Flammable. Avoid heat, sparks & flames. Use only with adequate ventilation and avoid direct contact with eyes/skin. Ground all metal containers when transferring liquid. Wash hands thoroughly after handling. Do not smoke when using this material. Keep away from flame of bunsen burner.
Storage:	Keep containers tightly capped. Keep neck of resin container free of resin buildup to maintain proper seal. Store containers in approved areas for flammables.
Other Precautions:	Any use of the product in elevated-temperature may be hazardous.

SECTION VIII.**Exposure Controls / Personal Protection**

Exposure:	
Inhalation:	Solvent vapors may cause headache, nausea, dizziness and irritation of the nose and bronchial passages.
Skin Contact:	Prolonged or repeated contact can cause irritation. Chronic exposure may cause dermatitis.
Eye Contact:	Direct contact may cause irritation and temporary damage. May cause conjunctivitis.
Oral Ingestion:	Do not induce vomiting. Call a physician immediately and/or transport to medical facility.
Personal Protection:	
Inhalation:	Ventilation: Local Exhaust: Good Mechanical (General): As needed. Respiratory Protection: Use self-contained breath apparatus in high vapor concentrations.
Protective Clothing or Equipment:	Safety glasses/goggles, butyl gloves and protective clothing to avoid direct contact.
Work/Hygienic Practices:	Avoid direct contact with eyes/skin. Wear protective safety equipment as necessary to minimize contact. Wash hands with soap and water and launder contaminated clothing.

SECTION IX.**Physical and Chemical Properties**

Appearance:	Water-white liquid.	Solubility in Water:	Moderately soluble.
Odor:	Mild.	Specific Gravity (H ₂ O=1):	0.86
Boiling Point:	App 175 F	Melting Point:	NE
Vapor Density (Air=1):	NE	Evaporation Rate: (Butyl acetate = 1):	6.0
Vapor Pressure (mm Hg):	83 @ 75 F		

Product: ***DIE STONE CONDITIONER*****SECTION X.****Stability and Reactivity**

Stability:	Stable
Conditions to Avoid:	Open flame, weld arcs or other high temperature sources.
Incompatibility (Materials to Avoid):	Caustics, amines, alkanolamines, aldehydes, ammonia, strong oxidizing agents and Chlorinated compounds.
Hazardous Decomposition Products:	Carbon monoxide/dioxide. See note in Section III.
Hazardous Polymerization:	May not occur.

SECTION XI.**Toxicological Information**

Route (s) of Entry:	Inhalation: Yes	Skin: Yes	Ingestion: Yes
Health Hazards (Acute and Chronic):	Moderately toxic by ingestion with irritation of mouth, throat and esophagus accompanied by nausea, abdominal discomfort, vomiting, diarrhea, dizziness & drowsiness. Inhalation at high concentrations causes irritation of respiratory tract with coughing/chest pain and possible loss of consciousness. Direct contact may cause eye/skin irritation.		
Acute:			
Chronic:	No adverse effects anticipated from available information.		

SECTION XII.**Ecological Information**

No information available at this time.

SECTION XIII.**Disposal Considerations**

For discard, this is a hazardous waste. RCRA #D001. Reportable quantity is 100 lbs (40 CFR 302). In accordance with local, state, provincial and federal regulations. Incinerate liquid in approved equipment only. For small quantities, allow solvent to evaporate in well ventilated areas or outdoors (preferred). Do not dump on the ground or into any body of water.

SECTION XIV.**Transport Information**

DOT Hazard Classification: Flammable Liquid, ORM-D Consumer Commodity
Transport this material according to local, state, provincial and federal regulations.

SECTION XV.**Regulatory Information**

No information available at this time.

SECTION XVI.**Other Information**

None

The data herein relates to the product named and is based upon information that Dental Ventures of America, Inc. believes to be reliable and accurate. No warranty expressed or implied is intended. Users of this product have the responsibility to determine the suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. This information is offered solely for your consideration and interpretation.