



MATERIAL SAFETY DATA SHEET

Product Identity:
DIE SPACER (ASSORTED COLORS)

SECTION I.

Identification

REVISION MAY 2006

Manufacturer

Dental Ventures of America Inc.
 217 Lewis Court
 Corona, CA. 92882

Emergency Telephone Number:

Infotrack (800) 535 - 5053

Product Information Number:

(951) 270 - 0606

SECTION II.

Composition/Information on Ingredients

Please refer to Section III.

SECTION III.

Hazardous Ingredients/Identify Information

HAZARDOUS COMPONENTS	CAS.NO.	OSHA PEL	ACGIH TLV	OTHER RECOMMENDED	% (Optional)
Methyl Ethyl Ketone	78-93-3	200 ppm	200 ppm	N.A.	>50
Aromatic 100*	64742-95-6	N.A.	100 ppm	N.A.	>3
PM Acetate	108-65-6	N.A.	100 ppm	N.A.	>4
*Component Parts of Aromatic 100					
*Trimethylbenzenes	25551-13-7	N.A.	100 ppm	N.A.	>2
*Psuedocumene	95-63-6	N.A.	100 ppm	N.A.	>1
*Copper Phthalo Blue NFNC (in blue)	147-14-8	N.A.			
(May be present in pigment)*					
Carbon Black*	1333-86-4	3.5 mg/M3	3.5mg/M3	N.A.	
Crystalline Silica*	14808-60-7	0.1mg/M3	0.1mg/M3	N.A.	
May be present: **					
Xylene**	1330-20-7	100 ppm	100 ppm		
Cumeme**	98-82-8	50 ppm	50 ppm		
Iron Oxides**	1309-37-1	5 mg/M3	5 mg/M3		
Manganese Oxide**	1317-34-6	5mg/M3	5 mg/M3		
Non-hazardous Ingredients					
Acrylic Copolymers - proprietary pigments. Lt Organic Yellow 31837-42-0; Organic Red 2786-76-7; Titanium Dioxide 13463-67-7 Special B.					
Hazard Rating: Reactivity: 1 Fire: 3 Toxicity: 2 UN 1993 UN 1263					

SECTION IV.

First Aid Measures

Inhalation: Remove to fresh air.
 Eye Contact: Substance can cause irritation and transient corneal injury. Flush well with water. Consult physician.
 Skin: Wash well with soap and water.
 Ingestion: Do not induce vomiting. Keep person warm and quiet. Get medical attention.

SECTION V.

Fire-Fighting Measures

Flash Point: -4 C/25 F S.F.C.C. Flammable Limits: 516 C/961 F LEL - 1 est. UEL - 12 est.
 Extinguishing Media: Alcohol Foam, CO 2, Dry Chemical, Water Spray
 Special Fire Fighting Procedures:
 For Bulk Quantity Product: Wear self-contained breathing apparatus (pressure-demand MSHA/NIOSH-approved or equivalent) and full protective gear. Use water spray to cool containers.
 For Small Bottle: Smother with water, wet blanket or towel. cover with sand, dirt. Keep area isolated.
 Unusual Fire and Explosion Hazards: Vapors can travel to a source of ignition such as a bunsen burner or furnace and flash back. Material can form explosive vapors with air.

Product: *DIE SPACER (ASSORTED COLORS)***SECTION VI.****Accidental Release Measures**

Keep all unprotected and unnecessary people away. Remove all sources of ignition.

Wear MSHA/NIOSH approved respirator. Pressure-demand, self-contained breathing apparatus is preferred.

Dike and contain spill with inert material (sand, earth, etc.) and transfer the liquid and solid separately to containers for 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 be slippery. Keep out of water supplies.

SECTION VII.**Handling and Storage**

Store away from excessive heat or open flame. Store bottles upright. Make sure caps secured tightly. Limit storage of flammable material to approved areas. For bulk transfer, ground all containers.

Keep away from spark producing tools or equipment.

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

Respiratory Protection: None required if good ventilation is maintained.
For Bulk: NIOSH approved vapor mask as required for PM Acetate.
Ventilation - Local Exhaust: For high concentration: Explosion proof local exhaust at point of vapor. Keep area well ventilated.
Protective Gloves: Impervious gloves - latex gloves adequate.
Eye Protection: Safety goggles or glasses - splashproof.
Other Protective Clothing or Equip.: Rubber apron; eye bath and safety shower.
Health Hazard Data: Routes of Entry: Inhalation, Skin, Ingestion
Health Hazards: Irritant to skin, eyes and respiratory tract. Prolonged breathing can cause dizziness, nausea, headache. Repeated contact can cause defatting and dermatitis.
Symptoms of Exposure: Solvent vapor or mist can cause headache, nausea, dizziness, incoordination, stupor, and irritation of nose, throat and lungs. Repeated overexposure to methyl ethyl ketone, PM Acetate and Aromatic 100 can cause CNS effects.
Ingestion: May cause irritation of digestive tract, drowsiness, dizziness, loss of coordination and fatigue.
Eyes: Direct contact may cause burning, tearing, redness and swelling.
Proposition 65 Warning: This product contains trace amounts of heavy metals which the State of California have determined are carcinogens or cause reproductive toxicity.(As,Cd,Pb,Hg,and/or Ni are present in trace PPM)

SECTION IX.**Physical and Chemical Properties**

Boiling Point:	Initial	80C/176F
Specific Gravity:		approx. 1
Vapor Pressure:	20C/68F	70 est.
Melting Point:	-86C/-123F	
Vapor Density:	>1	
Evaporation Rate (Butyl Acetate = 1)	>1	
Solubility in Water:	Pigment insoluble. Vehicle and solvent only somewhat.	
Appearance and Odor:	Blue, Red etc. Acetate odor. Thinner: Clear	

SECTION X.**Stability and Reactivity**

Stability: Stable Keep away from excessive heat or open flame.
Incompatibility: Strong oxidizers.
Hazardous Decomposition or By-products: Combustion will produce CO₂ and possibly CO.
Hazardous Polymerization: Will not occur. Keep away from excessive heat or open flame.

Product: ***DIE SPACER (ASSORTED COLORS)*****SECTION XI.*****Toxicological Information***

Please refer to Sections III - X.

SECTION XII.***Ecological Information***

Please refer to Sections III - X.

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 and federal regulation: Incinerate liquid in approved equipment. For small quantities, allow solvent to evaporate in well ventilated areas or outdoors (preferred). Dumping into sewers, on the ground, or into any body of water is strongly discouraged and may be illegal.

SECTION XIV.***Transport Information***

Transport in accordance with local, state and federal regulations.

SECTION XV.***Regulatory Information***

This product is considered hazardous under OSHA Haz. Com. Std. (29CFR 1910.1200). This product is a 'controlled product' under Canadian WHMIS. Under SARA TITLE 3: Section 311/312, this product is a hazardous chemical (see above). Under SARA TITLE 3: Section 313 (40 CFR 372) above de minimis concentrations: Methyl Ethyl Ketone, Trimethylbenzene, Pseudocumene, Cumene. Refer to Section III of this document.

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.