

MATERIAL SAFETY DATA SHEET — 16 Sections

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

Product Name and Codes Quickcheck Indicating Spray Green, Red & White Item No. 10050, 10060, 10070				Product Synonyms Aerosol Indicator Spray	
Product Use Used by dental technicians, dental office and jewelry makers				Product Packages Metal Can	
Manufacturer's Name Vacalcom Company Inc					
Street Address 12960 Stonecreek Dr, Ste C					
City Pickerington		State OH	Country USA	Contact Information For General Product Details (Mon - Fri, 9:00 am - 5:00 pm EDT)	
Zip Code 43147				Telephone Number 614-577-1945	Fax Number 614-759-4999
Date MSDS Prepared August 1, 2009					

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	%	CAS Number	OSHA PEL	ACGIH TLV
Isobutane	20 - 40	75-28-5	N/E	1000 ppm

SECTION 3 — HAZARDS IDENTIFICATION

Route of Entry	X Skin Contact	X Ingestion	X Eye Contact	X Inhalation
(Emergency Overview)				
Appearance: Green, Red or White Odor: None				
- DANGER: Unusual fire and explosion hazard. Very flammable. - Prevent overexposure to vapor				
- Note: Overexposure to vapor is unlikely in the small quantities recommended for use				
(Potential Health Effects)				
- Inhalation: May be harmful if inhaled. May cause irritation to nose, throat and lungs. May cause dizziness and/or nausea				
- Eyes: May cause irritation. Direct contact can cause damage.				
- Ingestion: Product does not lend itself to ingestion.				
- Skin: Contact with skin may cause symptoms similar to frostbite.				

SECTION 4 — FIRST AID MEASURES

Skin Contact	Remove any contaminated clothes. Then wash with plenty of water for 15 - 20 minutes.
Eye Contact	Flush eyes with large amount of water for at least 15 minutes. Seek attention if irritation persists.
Inhalation	Move subject to fresh air if presenting symptoms or if excessive inhalation takes place.
Ingestion	Product does not lend itself to ingestion. Accidental ingestion of a small amount is not expected to cause significant harm. Do not induce vomiting.

Note: In severe cases contact physician and/or poison control center immediately. Have product or label available and follow advice given.
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Product Identifier

SECTION 5 — FIRE FIGHTING MEASURES

Flammable	X Yes No	General Hazards Warning: Extremely Flammable	
Means of Extinction	Extinguishing Media: CO ₂ , Foam, Dry Chemical, Water Spray.		
Flashpoint (°C) and Method -33°C (-29°F)/ TCC	Upper Flammable Limit (% by volume) 9.5%	Lower Flammable Limit (% by volume) 1.8%	
Autoignition Temperature(°C) N/A	Explosion Data –Sensitivity to Impact Moderate	Explosion Data –Sensitivity to Static Discharge	
Special Fire Fighting Procedures	Confine fire to immediate area and cut off source or leak if possible. Wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH approved or equivalent)and full protective gear.		
Unusual Fire and Explosion Hazards	Material is considered Extremely Flammable. Do not incinerate (Burn) container. Contents under pressure. Temperature above 50°C (120°F) may cause bursting and contents under pressure will		

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures
Personal Precautions: Provide adequate ventilation. Remove all ignition sources. Disperse vapors with water spray. Soak up with absorbent material and dispose of according to federal, state and local regulations.

SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment
Avoid high temperatures for extended periods of time. Keep away from oxidizing agents.
Storage Requirements
Store in a cool, dry area away from heat sources, flames or flares. Avoid high temperatures that may elevate component pressure above container rating. Use and store with adequate ventilation.Keep away from children.
Other Precautions
Product is flammable and forms explosive mixtures with air and oxidizing agents.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Specific Engineering Controls (such as ventilation, enclosed process)						
If necessary local ventilation should be designed and installed to prevent overexposure.						
Personal Protective Equipment						
	X Gloves	X Respirator	X Eye	Footwear	X Clothing	Other
If checked, please specify type						
Gloves: Chemical resistant gloves are recommended if prolonged or repeated skin contact is likely						
Respirator: None required if good ventilation is maintained. Otherwise self contained breathing apparatus (pressure-demand, MSHA/NIOSH - approved or equivalent.)						
Eye: Chemical resistant goggles Clothing: Chemical resistant apron or other impervious cloth						

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SECTION 12 — ECOLOGICAL INFORMATION

Ecological Information
The propellants used are ecologically safe propellants. They do not contain CFC's.

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal
Empty aerosol cans before disposal. Dispose of in accordance with local, state and federal regulations.

SECTION 14 — TRANSPORT INFORMATION

Special Shipping Information	
DOT ORM-D, Consumer Commodity	IMDG UN1950, aerosols, Limited Quantities, 2.1
IATA 2.1, UN1950, aerosols, flammable	Other

SECTION 15 — REGULATORY INFORMATION

OSHA	WHMIS
Considered hazardous under OSHA Hazard Communication	"Controlled Product"
SABA 313	California Prop 65
Fire hazard. Immediate and delayed health.	Contains no known substances known to cause cancer, birth defects, other
SABA 311/312	TSCA
Reportable Ingredients: None	All ingredients are listed in the TSCA inventory

SECTION 16 — OTHER INFORMATION

HMMS Hazard Rating	1 Health	3 Fire	1 Reactivity	Hazard: 4-Severe; 3-Serious; 2-Moderate; 1-Minimum

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SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Odor and Appearance	Vapour Pressure
Liquidified Gas	Odorless, green, red or white mist spray	Aerosol 31 psig at 20°C (68°F)
Specific Gravity (H ₂ O = 1)	Vapor Density (Air = 1)	
<1	<1 at 20°C (68°F)	
Evaporation Rate (Butyl Acetate = 1)	Boiling Point(°C)	
N/E	-11.7°C (10.9°F)	
pH	Solubility in water	Other
N/E	Slightly soluble in water	

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability	If no, under which conditions?	
X Yes No		
Incompatibility with Other Substances	If yes, which ones?	
X Yes No	Strong oxidizers	
Reactivity, and under what conditions?		
Avoid contacts with ignition sources (e.g. sparks, open flame, heated surfaces). High temperatures for prolonged periods.		
Hazardous Decomposition or By-Products		
None known		
Hazardous Polymerization		
Will not occur		

SECTION 11 — TOXICOLOGICAL INFORMATION

LD50 Information
N/A
Chronic/Carcinogenicity
Contains no known or suspected carcinogens. See section 1 for limitation of components.

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