

# Material Safety Data Sheet

May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

**IDENTITY** (As Used on Label and List)  
KAVO SPRAY AMERICA

## Section I

### Manufacturer's Name

KaVo DMI

### Address (Number, Street, City, State, and ZIP Code)

Postfach 14 54

D-7950 Biberach-Rib 1

West Germany

## Section II — Hazardous Ingredients/Identify Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
N-Octane (CAS # 111-65-9)	300 PPM	300 PPM	375 PPM (OSHA STEL)	
Propane / Butane 3,5				
Propane (CAS # 74-98-6)	1,000 PPM	N/A		
Butane (CAS # 106-97-8)	800 PPM	800 PPM		

## Section III — Physical/Chemical Characteristics

Boiling Point	- 0.5°C	Specific Gravity (H <sub>2</sub> O = 1)	1,045
Vapor Pressure (mm Hg.) At 0 °C	900	Melting Point	- 138°C
Vapor Density (AIR = 1) At 20 °C	.548	Evaporation Rate (Butyl Acetate = 1)	168
Solubility in Water 6.6 x 10 <sup>-6</sup> % (Octane)			
Appearance and Odor	Butane/Propane: Clear, Odorless Gas    Octane: Clear liquid, faint odor		

## Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	- 80°C (Gas)	Flammable Limits Propane/Butane	LEL 1.5%	UEL 8.4%
Extinguishing Media	CO <sub>2</sub> , Foam, Drychemical, Powder-Class A-0			
Special Fire Fighting Procedures	Same as for Propane/Butane			

### Unusual Fire and Explosion Hazards

Dangerous when exposed to high heat or flames

# U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)

Form Approved  
OMB No. 1218-0072



Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

### Emergency Telephone Number

(708) 550-6800/USA

### Telephone Number for Information

(708) 550-6800/USA

### Date Prepared

March 1, 1990

### Signature of Preparer (optional)





KaVo AMERICA

## Sterilization of KaVo Handpieces

Along with the ADA and the CDC, KaVo recommends steam autoclave or chemiclave sterilization of all handpieces between patients. This is the only reliable method of infection control.

Chemical disinfectants cannot provide this level of protection. These products do not sterilize, they only surface disinfect. Chemical disinfectants may cause damage to handpieces if they are not properly administered.

Due to the advance by KaVo in the materials and design of our handpieces, sterilization in a steam autoclave or chemiclave at correct temperatures (121°- 135°C) does not result in significant damage to our handpieces. In fact, the greatest number of handpieces fail, not due to sterilization damage, but because of lack of consistent lubrication and cleaning.

### Lubricate BEFORE Sterilizing

Sterilization procedure: Scrub the handpiece with a soft brush under running water to remove the "Bio-Burden". Spray the handpiece with KaVo Spray, according to the instructions on the can. Run the handpiece for 15 to 30 seconds to expel excess lubricant, then sterilize. Lubrication is not necessary after sterilization.

Do not use chemical disinfectants if you sterilize your handpieces. When combined with the heat of the sterilizer, disinfectants may significantly reduce handpiece life.

### Lubricate AFTER Chemical Disinfection

If a disinfection is the chosen method for infection control, the disinfectant manufacturer's instructions must be followed. The cleaning of the handpiece before application of a disinfectant is a critical step. Handpieces must be scrubbed with a soft brush under running water to remove the "Bio-Burden". If this step is not followed, the effectiveness of the disinfectant will be seriously reduced.

After use of disinfectant, the residual chemicals must be rinsed from the handpiece to avoid corrosion and discoloration. After this step, the handpiece must be sprayed with KaVo Spray to flush any water and chemicals from the inside of the handpiece. Then, run the handpiece for 15 to 30 seconds to expel excess lubricant.

For optimum handpiece longevity, the rule to be followed is: Lubricate the handpiece BEFORE each Autoclave or Chemiclave sterilization or AFTER each chemical disinfection.

If you have questions regarding these procedures, call our Technical Service Department at 1-800-642-9007.