SAFETY DATA SHEET

OSADA INC.

Date: 8/11/16

SECTION 1: IDENTIFICATION

Osada Incorporated 3000 S. Robertson Blvd. #130 Los Angeles, CA 90034	**Toll Free**: (800) 426-7232 **Phone**: (310) 841-2220 **Fax**: (310) 841-2221 **Hours of Operation**: M-F 8:30-5 pm PST	**Recommended Use:** Osada's nonflammable, silicone-based spray oil for preparation of autoclavable rotary handpieces before steam autoclaving.

SECTION 2: HAZARD(S) IDENTIFICATION

All chemicals in substance comply with applicable rules and orders under the TSCA (Toxic Substances Control Act). Over exposure to vapors are unlikely at ambient temperatures and under normal usage conditions. Hazardous decomposition or byproducts include: CO, CO2, HCL, and/or HF when subjected to high temperatures. Avoid open flames and extreme temperatures.

SECTION 3: COMPOSITION/INGREDIENTS

- **Oil:** Mixture of aliphatic hydrocarbons (alpha-olefin type), fatty ester (octyl alcohol, sebacic acid), and BHT (an antioxidant)
- **Container:** Type 2Q aerosol can; deformation pressure, over 180 lbs.; Bursting pressure, over 270 lbs.
- **Propellant:** Non-flammable halogenated hydrocarbon

SECTION 4: FIRST-AID MEASURES

Inhalation: n/a	**Skin Contact:** Not considered harmful, however contact health professional if irritation occurs
Eye Contact: Avoid contact with eyes. If oil enters eyes, flush with clear water for 15 minutes or until irritation subsides. Consult a physician if irritation persists.	**Ingestion**: Hazardous to humans or domestic animals. May induce vomiting. See physician

SECTION 5: FIRE-FIGHTING MEASURES

- **Fire and explosion hazards:** Slight fire hazard
- **Extinguishing media:** Foam, Dry Chemical, Carbon Dioxide, or Water Spray (Fog)
- **Special fire-fighting procedures:** n/a
- **Unusual fire and explosion hazards:** Avoid open flames and excessive temperatures (see label). Container may rupture under fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Absorb spilled oil with absorbent papers, cloths, sand, filter aid, etc.

SECTION 7: HANDLING AND STORAGE

Do not expose to heat or temperature above 50◦ C (122◦F)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: n/a	**Oil mist in air:** n/a in normal usage
Ventilation: not required	**Eye protection:** not required
Clothing: n/a	**Gloves:** not required
Respirator: not required	**PELs/TLVs:** not determined

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state: liquid	**Appearance:** clear	**Color:** colorless
Physical form: oil	**Odor:** slightly oily odor	**Boiling/freezing point:** not available
Flash point: method unknown – 223°C	**Lower flammable limit:** not determined	**Upper flammable limit:** not determined
Auto ignition: not available	**Vapor pressure:** not available	**Vapor density:** not available
Specific gravity (water=1): 0.886	**Density:** not available	**Water solubility:** negligible
pH: not available	**Volatility:** not available	**Odor threshold:** not available
Evaporation rate (Butyl acetate=1): <<1	**Viscosity:** 7.9 mm^2/s at 100°C	**Coefficient of water/oil distribution:** not available

SECTION 10: STABILITY AND REACTIVITY

- **Reactivity:** Stable at normal temperatures and pressures
- **Conditions to avoid:** heat, flames, sparks, and other sources of ignition
- **Incompatibility:** none known

Note: Stability will be maintained and hazardous polymerization will not occur as long as open flames and excessive temperatures (see label) are avoided

SECTION 11: TOXICOLOGICAL INFORMATION

No toxicity data available

SECTION 12: ECOLOGICAL INFORMATION

Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable regulations

SECTION 14: TRANSPORT INFORMATION

No classification assigned

SECTION 15: REGULATORY INFORMATION

Not classified as dangerous. Compliant with TSCA (Toxic Substances Control Act)

SECTION 16: OTHER INFORMATION

Date of Preparation: July 25, 1997	**Last Revision:** April 14, 2015

Disclaimer: The information contained herein is accurate to the best of our knowledge. Osada Incorporated makes no warranty of any kind, expressed or implied, concerning the safe use of this material in your process or in combination with other substances.

OSADA'S SPRAY OIL INSTRUCTION SHEET

According to federal regulations, Osada's 6 oz. spray oil has been prepared with a non-flammable, environmentally-friendly propellant. It has been made for preparation of autoclavable rotary handpieces (typically made of metal) for steam autoclaving. Oil cans are sold in two ways: as a complete set (full assembly with nozzle) or as an oil refill (without nozzle). The nozzle assembly is removable and reusable on oil refill cans.

Instructions for use: Shake well before spraying. Press the top button in order to release oil from the can. When reusing a nozzle, place the nozzle cap onto the refill can and adjust the position by slightly rotating the nozzle cap over the can as needed.

Cleaning instructions (also located on label):

1. *External cleaning:* Wipe off surface debris using a damp cloth and towel dry the handpiece. Clean the noseguard separately.
2. *Internal cleaning:* Insert the nozzle into the handpiece end and spray oil until clean oil comes out of the handpiece tip end. Keep a bur chucked in so that the oil penetrates well throughout the handpiece. If you feel too much pressure, spray oil without a bur installed.
3. *Steam autoclave:* Keep the handpiece upright to drain excess oil and wipe clean. Put handpiece into a sterilizing envelope and steam autoclave (include a drying cycle). Avoid dry heat and chemiclave.

DO NOT IMMERSE HANDPIECES INTO DISINFECTANT SOLUTIONS. This is the main cause of rust inside the handpiece. Alcohol cannot sufficiently disinfect, but if alcohol must be used, wipe with a well-squeezed cotton swab and do not allow alcohol to seep through the crevices of the handpiece. Stay away from an ultrasonic cleaner because it does not disinfect, but simply loosens adhered debris.

Osada's spray oil is a *cleaner* and a *lubricant*. If the handpiece is properly spray-oiled to clean and steam autoclaved after every use, no additional maintenance is necessary. If the handpiece has been unused for some time, make sure to spray oil before steam autoclaving. A noisy handpiece must be serviced first – spray oil will not remove debris that is caked onto the handpiece and/or has bad bearings.

Warnings: DO NOT SPRAY OIL OSADA'S MICROMOTORS. DO NOT STEAM AUTOCLAVE MICROMOTORS AND CORDS. Only the removable MOTORCASING can be steam autoclaved.

Please see MSDS (Material Safety Data Sheet) for more information about Osada's spray oil.

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