

MDL DENTAL PRODUCTS

Material Safety Data Sheet

(Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200)
Formally called Material Information Bulletin)

MDL Dental Waxes

Typical Composition: Refined Base Waxes (CAS 647-43-4)

Exposure Standard:

No Federal OSHA exposure standard or ACGIH TLV has been established for this material. The ACGIH TLV for paraffin wax fume is 2 mg/m³ for daily 8 hour exposure.

Physiological & Health Effects:

The cool solid material is not expected to cause eye irritation. Thermal burns may result from contact with hot material.

Eyes:

Emergency & First Aid Procedures:

If the hot material should splash into the eyes, flush eyes immediately with fresh water while holding the eyelids open. See a doctor.

Skin:

Emergency & First Aid Procedures:

If the hot, melted material gets on skin, quickly cool in water. See a doctor for extensive burns. DO NOT try to peel the solidified material away from the skin or use solvents or thinners to dissolve it. The use of vegetable oil or mineral oil is recommended for removal of this material from the skin.

Inhalation:

Physiological & Health Effects

Fumes from the hot material can be unpleasant and may produce nausea and irritation of the upper respiratory tract.

Emergency & First Aid Procedures

If respiratory discomfort or irritation occurs, move the person to fresh air. See a doctor if discomfort or irritation continues.

Ingestion:

Physiological & Health Effects

Not expected to be acutely toxic by ingestion

Emergency & First Aid Procedures

Since this material is not expected to be a acute ingestion problem, no first aid procedure is required.

Additional Health Data:

This wax complies with FDA Regulation 172.886, Code of Federal Regulations, Title 21

Special Protective Information:

Eye Protection: Do not get hot material in eyes. Eye contact can be avoided by wearing chemical safety goggles.

Skin Protection: Avoid skin contact with the hot material by wearing protective clothing including gloves.

Respiratory Protection: Wear approved respiratory protection such as a toxic dust/mist/fume respirator or an air supplying respirator unless ventilation is adequate to keep airborne concentrations of this material below the ACGIH TLV.

Fire Protection:

Flash Point (COC) 420 degrees F (215 degrees C)

Auto Ignition Temp: 350 degrees C (ASTM D2155)

Flammability Limits: n/a

Extinguishing Media: C02, Dry Chemical, Foam

Special Fire Fighting Procedure: In case of fire, smother flames and turn off heat source. DO NOT use water to extinguish wax fires as the water may boil violently causing an explosion of hot wax. Read the entire MSDS.

Special Precautions:

Caution! Wax will catch fire when melted over open flame or exposed coil hot plates. Always melt wax over water preferably a double boiler.

Environmental Protection:

Environmental Impact: This material is not expected to present any Environmental problems.

Precautions if Material is Released or Spilled: If liquid material is spilled, allow it to cool and solidify before proceeding with disposal methods.

Waste Disposal Methods: Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local Environmental or health authorities for approved disposal of this material.

Reactivity Data:

Stability (Thermal, Lights, etc.) Stable.

Incompatibility (Materials to Avoid): May react with strong oxidizing materials.

Hazardous Decomposition Products: Normal combustion forms carbon dioxide and water vapor: incomplete combustion can produce carbon monoxide.

Hazardous Polymerization: Will not occur.

Physical Properties

Solubility: Soluble in hydrocarbon solvents; insoluble in water.

Appearance: (Color, Odor, etc): All colors translucent solid. Odorless and tasteless.

Boiling Point: n/a

Melting Point: 5.3 -54.4 degrees C (AMP)

Specific Gravity: NDA

Vapor Pressure: n/a

Vapor Density (Air = 1) : n/a

Percent Volatile (Volume %) : n/a

n/a Not Applicable

NDA - No Data Available.

MDL DENTAL PRODUCTS Incorporated., PO Box 98259 Seattle WA 98198 206-763-2040