

Material Safety Data Sheet



Section I - IDENTIFICATION

Manufacturer's Name:

Dentity Global, LLC.

Address:

2295 NW Corporate Blvd, Suite 230, Boca Raton, FL 33431 USA

Emergency Telephone:

+1 239-293-3961

Product Trade Name and Synonyms:

DentaKote, DentaKote S, Implaflow, Implaseal

Chemical Name and Synonyms:

Poly(dimethyl siloxane)
C.A.S. Registry Nos. 63148-62-9

Ingredients:

Poly(dimethyl siloxane) 100%

Section II - HAZARDOUS INGREDIENTS

Hazardous Ingredients:

None present

D.O.T. Hazard Name & Class:

None

E.P.A. Priority Pollutants:

None present

Section III - PHYSICAL DATA

Boiling Point (oF):

More than 200 oF

Vapor Pressure (mm Hg)

Less than 10 mm

Solubility in Water:

Insoluble

Specific Gravity (H₂O=1)

approximately 1

Density:

1gm/cc

Percent Volatile by Volume (%):

Less than 1%

Evaporation Rate (water = 1):

Less than water

Viscosity:

Thixotropic Gel

Color:

Translucent

Vapor Permeability:

100% to gas vapors

Product Description:

A pure self-bonding silicone polymer containing no volatilizing agents or other hazardous materials that would require special handling during shipment or storage. This material is a highly concentrated elastomer which exhibits excellent chemical and thermal stability and acts as a self-adhesive fouling-release, drag-reducing coating when applied in thin films.

Section IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point:

More than 200oF (ASTM D-56 Tag Closed)

Extinguishing Media:

Non-flammable

Special Fire Fighting Procedures:

When exposed to high temperatures in an open flame, fire product will expel silicon dioxide and Carbon, - Face Mask Should Be Used.

Unusual Fire And Explosion Hazards:

None

Section V - HEALTH HAZARD DATA

Threshold Limit Value:

Nil

Effects of Overexposure:

Slight irritation to eyes.

No detrimental effect on nose or throat, skin or digestive tract.

As with all chemical agents, some individuals may have a hypersensitivity to certain ingredients.

Emergency and First Aid Procedures:

Remove from area, flush eyes with water.

If skin irritation occurs, wipe off and wash with soap and water.

Section VI - REACTIVITY DATA

Stability:

Stable

Incompatibility:

Avoid strong oxidizing agents.

Hazardous Decomposition Products:

When exposed to high temperatures in an open flame, will expel silicone dioxide and carbon, face mask should be used.

Hazardous Polymerization:

Will not occur.

Section VII - SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:

Clean up, move to used drums for disposal.

CAUTION! Makes surfaces slippery.

Waste Disposal Method:

Incinerate or standard wash down and clean till no longer slippery. (May require removal of surface layer of substrate on which spill occurred).

Section VIII - SPECIAL PROTECTION INFORMATION:

Respiratory Protection:

None required.

Ventilation:

No special requirements.

Protective Gloves:

Not required, except to prevent cross-contamination of materials, and unless a known skin sensitivity occurs.

Eye Protection:

Safety Glasses should be worn when working with any chemical.

Section IX - SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storage:

Avoid direct contact with eye tissues.

Shelf-life can be prolonged with refrigeration, although refrigeration is not required.

Coated surfaces become slippery. Do not spill on walkways.

Coated surfaces are non-stick; polymer should not be applied to a surface which requires subsequent labelling or painting.

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable; however, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate. Dentity Global, LLC will not be responsible for damages resulting from use of, or reliance upon this information.

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