This SDS packet was issued with item:
071705284

N/A
Patterson Dental Supply Product Code:
71705201, 71705037, 71705284, 71705029, 71705011, 71705003

SECTION 1: Chemical Product and Company Identification

MSDS Name: Calibra Silane Coupling Agent
Manufacturer Name: Dentsply Caulk
Department: Dentsply Caulk
Address:
38 West Clarke Avenue
Milford DE 19963-0359

Internet Address: http://www.caulk.com

Business Phone: (302) 422-4511
For information in North America, call: (302) 422-4511
For emergencies in the US, call CHEMTREC: 800-424-9300
Hours Of Operation: (8:00 AM û 4:30 PM Eastern Time)
Manufacturer MSDS Revision Date:
02/19/02
Supersedes: 3/4/99
Trade Names:
CALIBRA TM Silane Coupling Agent

NFPA
Health: 0
Flammability: 3
Reactivity: 0
Other:

NFPA HAZARD CLASSIFICATIONS:
Specific Hazard: Not Applicable
Product Codes:
607060 û 607080 All Package Configurations

SECTION 2: Hazardous Ingredients/Identity Information

Chemical Name
Ethyl Alcohol
CAS#
64-17-5 Percent
92.6%

OSHA PEL TWA: 1000 ppm
ACGIH TLV TWA: 1000 ppm
Hazardous: Yes
Chemical Name

Acetone  CAS#
67-64-1  Percent
7.4%

OSHA PEL TWA: 500 ppm
ACGIH TLV TWA: 500 ppm
Hazardous: Yes
Chemical Name

Benzene  CAS#
71-43-2  Percent
< than 0.15 ppm

OSHA PEL TWA: 0.5 ppm
ACGIH TLV TWA: 0.5 ppm
Hazardous: Yes

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SECTION 3 : Physical And Chemical Characteristics
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Physical State/Appearance:
Clear liquid
Odor:
Characteristic alcohol odor.
Vapor Pressure:
44.6
Vapor Density:
1.59
Boiling Point:
78 deg C (173 deg F)
Melting Point:
-114 deg C (-173 deg F)
Solubility:
In water: Completely Soluble.
Specific Gravity:
0.8 g/cm²
Evaporation Point:
Not Established.
Flash Point:
6 deg C (43 deg F)
Auto Ignition Temp:
423 deg C (793 deg F)
Upper Flammable Explosive Limit:
19
Lower Flammable Explosive Limit:
3.3

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SECTION 4 : Fire And Explosion Hazards
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Flash Point:
6 deg C (43 deg F)
Flash Point Method:
Tag Closed Cup
Upper Flammable or Explosive Limit: 19
Lower Flammable or Explosive Limit: 3.3
Auto Ignition Temperature: 423 deg C (793 deg F)
Extinguishing Media:

Use dry chemical, alcohol foam, or carbon dioxide. Water may be ineffective, but should be used to keep fire-exposed containers cool.

Hazardous Combustion Byproducts:
Incomplete combustion may produce carbon monoxide and/or carbon dioxide.

Fire Fighting Instructions:
If a leak or spill has not ignited, use water spray to disperse vapors and protect personnel attempting to stop a leak. Water spray may be used to flush spills away from exposures and to dilute spills to nonflammable mixtures.

Unusual Fire Hazards:
Firefighters should wear full protective clothing including a self-contained breathing apparatus in the positive pressure mode with a full facepiece when there is a possibility of exposure to smoke, fumes or hazardous decomposition products.

SECTION 5 : Health Hazards

Applies to All Ingredients:
Route of Exposure:
- Inhalation: Possible
- Skin: Yes
- Ingestion: Possible

Potential Health Effects:
- Summary of Acute Hazards: Minimal health hazard in normal use and in the quantities present in this product.
- For larger quantities and with prolonged exposure, ethyl alcohol is considered a moderate health hazard.

Chronic Health Effects:
- Summary of Chronic Hazards: Not a chronic hazard under the normal conditions of use. However, if ingested in large quantities for a prolonged period of time, may be a carcinogenic or a cause of Fetal Alcohol syndrome.

Carcinogenicity:
- Not a carcinogen under normal conditions of use.

The IARC has reported a relationship between prolonged drinking of significant quantities of alcoholic beverages and cancer of the oral cavity, pharynx, esophagus and liver.

OSHA Designation: Regulated: No
NTP Designation: Not listed
IARC Designation: Monographs: Not listed

Reproductive Toxin Information:
Ingestion of alcohol by pregnant women is associated with Fetal Reproductive Toxicity.

Signs/Symptoms:
- Inhalation: None in normal conditions of use. Exposure to over 1000 ppm may cause headache, drowsiness and lassitude, loss of appetite, inability to concentrate, and irritation of throat.
- Eye Contact: Liquid or vapor may cause irritation.
- Skin Absorption: None in normal conditions of use. However, for large quantities and prolonged contact, similar symptoms to inhalation/ingestion may occur.
- Skin Contact: May cause irritation and defatting of skin on prolonged contact.
- Ingestion: None in small quantities of normal conditions of use. For large quantities, may cause depression of the central nervous system, nausea, vomiting, diarrhea.

All components of this product are in compliance with the inventory listing Requirements of the U. S. Toxic Substances Control Act (TSCA).
Chemical Substance Inventory.

SECTION 6 : Emergency And First Aid Procedures

Eye Contact:
In case of eye contact, flush immediately with flowing water for at least 15 minutes. Get prompt medical attention.

Skin Contact:
Immediately flush affected area with plenty of cool water. Wash skin with soap and water. If irritation persists, call physician.

Ingestion:
For large quantities: If victim is conscious and able to swallow, have victim drink water or milk to dilute. Never give anything by mouth to an unconscious or convulsing person. Call a physician or Poison Control Center immediately. Induce vomiting only on their advice.

SECTION 7 : Reactivity Data

Chemical Stability:
Stable

Conditions to Avoid:
(Stability): Heat, flame, sparks, elevated temperatures above 50 deg C (122 deg F).

Incompatibilities with Other Materials:
(Materials to avoid): Avoid acetyl chloride and strong oxidizing materials, which may react violently.

Hazardous Decomposition Products:
Incomplete combustion may produce carbon monoxide or carbon dioxide.

SECTION 8 : Precautions For Safe Handling

Spill Cleanup Measures:
For small quantities (as in this product): Wear gloves and safety glasses. Pick up with absorbent material, such as paper or cloth. Rinse area of spill with water. Place all material in closed container away from heat, sparks, sun and oxidizers.

Handling:
For small quantities (as in this product): Keep tightly closed, in a well ventilated area, away from heat, sparks, direct sunlight, and oxidizing agents. Protect container against physical damage. Take these same precautions when container is empty, as residual product is hazardous.

Storage:
Store away from food and beverages. Store away from extreme heat.

Hygiene Practices:
Observe normal care when working with chemicals. Wash hands after use.

Other precautions:
Avoid contact with skin. Observe normal warehouse handling procedures. Handling of this product should be by trained dental healthcare professionals only.

Waste Disposal:
Dispose of in accordance with Federal, State and Local environmental control regulations.

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SECTION 9 : Control Measures
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Ventilation System:
None required during normal intended use of this product. However for large quantities and prolonged exposure, methods such as enclosure, local ventilation and dilution are recommended to reduce concentration below TLV.

Hand Protection Description:
Protective gloves: Chemically impervious gloves are recommended when skin contact is possible.

Eye/face Protection:
Safety glasses are recommended when no eye contact is anticipated.
Chemical safety goggles should be worn whenever there is a possibility of splashing or other contact with eyes.

Protective Clothing/Body Protection:
Chemically resistant apron or other impervious clothing.

Respiratory Protection:
None required during normal use of this product.

Work/Hygienic practices:
Observe normal care when working with chemicals. Wash hands after use.
Avoid eye and skin contact, inhalation and ingestion. Do not eat, drink or smoke when using.

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SECTION 10 : Other Information
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Applies to all ingredients:
TSCA 8(b): Inventory Status
All components of this product are in compliance with the inventory listing Requirements of the U. S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

NFPA:
Fire Hazard: 3
Health: 0
Reactivity: 0
Specific Hazard: Not Applicable

MSDS Revision Date:
02/19/02
Supersedes: 3/4/99

Abbreviations:
NFPA ® National Fire Protection Association
N.A. - Not Applicable
N.E. - Not Established

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