

MATERIAL SAFETY DATA SHEET

1.1 Product Trade Name: BRUSH CLEANER

1.2 Part (Item) Number:

SECTION I

1.3 Division Name	:Caulk/Dentsply
1.4 Address	:Clarke and Lakeview Aves. :Milford DE 19963-0359
1.5 Emergency phone number	:(800) 424-9300 (Chemtrec)
1.6 Phone number for information	:(302) 422-4511
1.7 Date prepared	:9/20/95

SECTION II - Hazardous Ingredients/Identity Information

<u>Hazardous Components</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other limits</u>
Methylene chloride	:500 ppm	:50 ppm	:75 ppm
:	:	:	(NIOSH
:	:	:	:10 hr TWA)
:	:	:	:
:	:	:	:
:	:	:	:
:	:	:	:

SECTION III - Physical/Chemical Characteristics

3.1 Boiling point	: 104°F / 40°C	3.6 Specific Gravity	: 1.3 g/cm ³
3.2 Vapor pressure	: 420 mm Hg @25 C	3.7 Melting point	: -97°C
3.3 Vapor density	: 2.9	3.8 Evaporation rate	: >1
3.4 Solubility in water	: 2 g/100 ml	3.5 Appearance and odor: Colorless liquid with strong characteristic odor.	

SECTION IV - Fire and Explosion Hazard Data

4.1 Flash point (method used) : Not flammable
4.2 Flammability (explosive limits) :
 LEL: 14.8% UEL: 22.0%
4.3 Extinguishing media : This material is not combustible. Use extinguishing media appropriate for surroundings.
4.4 Special fire fighting procedures : Fire fighters should wear self contained breathing apparatus and full protective clothing.
4.5 Unusual fire and explosion hazards : In case of fire, keep drums cool by spraying with water. Extinguish all nearby sources of ignition since vapors decompose to hazardous products at high temperature. Emits toxic fumes under fire conditions.

SECTION V - Reactivity Data

5.1 Stability : Unstable: Stable: X
5.2 Conditions to avoid (stability): High temperatures, flames.
5.3 Incompatibility (materials to avoid): Alkalies, oxidizing materials, water, moist air, aluminum and alkali metals.
5.4 Hazardous decomposition or byproducts: Phosgene, Hydrochloric acid, carbon monoxide, chlorine, carbon dioxide.
5.5 Hazardous polymerization May occur: Will not occur: x
5.6 Conditions to avoid (polymerization): High temperatures, flames.

SECTION VI - Health Hazard Data

6.1 Route(s) of entry: Inhalation?: Yes Skin?: Yes Ingestion?: Yes
6.2 Health hazards (acute and chronic): Inhalation: may cause headache, nausea, vomiting, unconsciousness, kidney and lung damage and even death. Chronic exposure will result in elevated carboxy hemoglobin levels. Eye contact: causes pain, irritation, and possible reversible corneal injury. Skin contact: may dry the skin or irritate the skin causing dermatitis. Ingestion: may cause abdominal pain. Methylene chloride is metabolized in the body to carbon monoxide. Toxic affects are increased by presence of alcohol, carbon monoxide, smoking, or performing heavy labor. May cause nervous system disorders

6.3 Carcinogenicity NTP?: Listed IARC monographs?: Possible (2b)

OSHA regulated?: Yes

6.4 Signs and symptoms of exposure: Inhalation: may cause headache, dizziness, nausea, vomiting, unconsciousness, kidney and lung damage, and even death. Eye contact: causes pain and irritation. Skin contact: may dry the skin or irritate the skin. Ingestion: Causes abdominal pain. May damage liver, kidneys, pancreas, nerves.

6.5 Medical conditions generally aggravated by exposure: Persons with angina or heart disease or those who are heavy drinkers or smokers should not be exposed to this product.

6.6 Emergency first aid procedures: INHALATION: Get person to fresh air, rest, call a physician. SKIN CONTACT: Remove contaminated clothes, wash skin with soap and water. INGESTION: Give lots of water to drink, get medical attention. EYE CONTACT: Flush eyes with copious amounts of water for at least 15 minutes.

SECTION VII - Precautions for safe handling and use

7.1 Steps to be taken in case material is released or spilled: Collect leaking liquid in sealable containers, absorb spilled liquid with sand or inert absorbent and remove to safe place. For large spills a self contained breathing apparatus may be necessary.

7.2 Waste disposal methods: Dispose of in accordance with all applicable Federal, State and Local regulations.

7.3 Precautions to be taken in handling and storage: Avoid contact with skin. Normal warehousing and handling procedures.

7.4 Other precautions: Keep away from food and beverages. Store in a cool, dry area.

SECTION VIII - Control Measures

8.1 Respiratory protection : NIOSH approved self contained breathing apparatus in the pressure demand mode, or a supplied air respirator if use conditions generate vapors or mist. Canister respirators may be ineffective.

8.2 Ventilation : Local exhaust is recommended to maintain levels below thresholds.

8.3 Protective Gloves : Viton gloves.

8.4 Eye protection : Chemical goggles.

8.5 Other protective clothing or equipment: Long sleeved shirt, trousers, Viton boots, Viton apron. An eyewash and safety shower should be nearby for use.

8.6 Work/Hygienic practices : Observe normal care when working with chemicals.