

Material Safety Data Sheet

SEP 20 1993

DAP Inc.
P.O. Box 277
Dayton, OH 45401-0277

Product: TRUBOND CONTACT CEMENT
Internal ID: 30504

MSDS No: DAP / 30504
Revision: 2
Date: February 21, 1989

721
211-557 #TB6082
211-565 #TB6087
211-573 #TB6083
211-136 #TB6084
211-227 #TB6085
211-292 #TB6086
CONTACT CEMENT

National Paint
and Coatings
Association
Hazardous Material
Identification
System

HEALTH HAZARD	2 - Moderate
FLAMMABILITY HAZARD	3 - Serious
REACTIVITY HAZARD	0 - Minimal
PERSONAL PROTECTION	B - Glasses, Gloves

SECTION I. MATERIAL IDENTIFICATION

Trade/Material Name: TRUBOND CONTACT CEMENT

Description: Contact cement

CAS: Mixture

Shipping Name (49 CFR 172.101): Cement (Consumer Commodity*)
D.O.T. Shipping No. (49 CFR 172.101): NA 1133 (NA*)
D.O.T. label required (49 CFR 172.101): Flammable Liquid (None*)
EPA Hazard Class - if discarded (40 CFR 261): D001 - Ignitable
*For metal containers of 32 oz. or less or non-metal containers of 16 oz. or less.

Manufacturer: DAP Inc.
P.O. Box 277
Dayton, OH 45401-0277

Phone: 1-800-543-3840
In Ohio: 1-513-253-7154

SECTION II. INGREDIENTS AND HAZARDS

Ingredient Name:	CAS Number:	Percent:	Exposure Limits:
1,1,1-Trichloroethane (contains 2.5% diethylene dioxide)	71-55-6	15-20	SARA 313 CHEMICAL OSHA PEL: 350ppm ACGIH TLV: 350ppm ACGIH STEL: 450ppm
Diethylene Dioxide	123-91-1		SARA 313 CHEMICAL OSHA PEL: 100ppm (skin) ACGIH TLV: 25ppm ACGIH STEL: 100ppm
Lactol Spirits (Contains 10-15% Toluene)	64742-89-8	45-50	OSHA PEL: 400ppm
Toluene	108-88-3		SARA 313 CHEMICAL
Toluene	108-88-3	15-20	SARA 313 CHEMICAL OSHA PEL: 200ppm CEILING PEL: 300ppm PEAK PEL: 500ppm ACGIH TLV: 100ppm ACGIH STEL: 150ppm

Remaining ingredients are not regulated by OSHA and are considered trade secrets.

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SECTION III. PHYSICAL DATA

Appearance & Odor: Tan paste with hydrocarbon odor

Boiling point: 200-238°F
 Vapor pressure: 80mmHg @ 100°F
 Water solubility (%): negligible
 Vapor density (air=1): >1.0

Evaporation rate: (n-butyl acetate): >1
 Specific gravity (H₂O=1): 0.91
 % volatile by volume: 80-90

VOC less water less exempt solvent (g/liter): 657
 VOC material (g/liter): 582

SECTION IV. FIRE AND EXPLOSION DATA

Flash Point (method): (C.C.) 21°F minimum Limits: LEL %: Not available UEL %: Not available

Extinguishing Media: Foam, carbon dioxide, dry chemicals, water fog

Unusual fire or explosion hazards: Containers may explode if exposed to extreme heat. Eliminate sources of ignition: heat, electrical equipment, sparks and flames. Do not put in contact with oxidizing or caustic materials.

Special fire-fighting procedures: Full protective equipment, including self-contained breathing apparatus, is recommended to protect from combustion products. Cool exposed containers with water.

SECTION V. REACTIVITY DATA

Material is stable at room temperature. Hazardous polymerization will NOT occur

Chemical incompatibilities: Strong oxidizers and caustics

Conditions to avoid: Excessive heat

Hazardous decomposition Products: Normal combustion products, i.e. CO_x, NO_x

SECTION VI. HEALTH HAZARD INFORMATION

This product contains material considered an animal carcinogen by NTP and IARC*

Medical conditions which may be aggravated by contact: 1,1,1-Trichloroethane may aggravate acute and chronic liver disease and rhythm disorders of the heart.

Primary entry route(s): Inhalation of solvent vapor and skin contact

Acute effects: May irritate eyes, skin, nose, and respiratory tract. Harmful if inhaled. Harmful or fatal if swallowed. If ingested causes vomiting, diarrhea, and depressed respiration. Inhalation may affect the brain or nervous system causing dizziness, headache, or nausea. Overexposure or misuse of toluene can cause liver, kidney and brain damage.

Chronic effect(s): Reports have associated prolonged and repeated occupational overexposure to solvents with permanent brain and nervous system damage. Prolonged

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HEALTH HAZARD INFORMATION continued from page 2

or repeated contact of 1,1,1-Trichloroethane and toluene with skin can cause defatting of the skin leading to dermatitis. 1,1,1-Trichloroethane has been found to cause liver abnormalities, kidney damage, and lung damage in laboratory animals.

First aid:

Eye contact: Flush with large amounts of water for 15 minutes.
Contact a physician immediately.

Skin contact: Wash immediately with soap and water.

Inhalation: Remove to fresh air. Contact a physician immediately.

Ingestion: Do not induce vomiting. Contact a physician or
Regional Poison Control Center immediately.

*Diethylene Dioxide is considered an animal carcinogen by IARC and NTP. Risk to your health depends on level and duration of exposure.

SECTION VII. SPILL, LEAK AND DISPOSAL PROCEDURES

Spill / Leak procedures: Use absorbent material or scrape up dried material and place into containers.

Waste management / Disposal: Dispose of according to federal, state, and local regulations. Discarded material should be incinerated at a permitted facility. Do not reuse empty container.

SECTION VIII. SPECIAL PROTECTION INFORMATION

Personal protective equipment:

Goggles: Goggles or safety glasses with eye shields

Gloves: Solvent impervious gloves

Respirator: If 8-hour exposure limit or value is exceeded for any component, use an approved NIOSH/OSHA respirator. Consult your safety equipment supplier and the OSHA regulation, 29 CFR 1910.134 for respirator requirements.

Workplace considerations:

Ventilation: Provide sufficient mechanical ventilation (local or general exhaust) to maintain exposure below PEL and TLV. Vapors are heavier than air and will collect in low areas. Check all low areas (basements, sumps, etc.) for vapor before entering.

Safety stations:

Provide eyewash and solvent impervious apron if body contact with product may occur. Barrier creams may be used.

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SPECIAL PROTECTION INFORMATION continued from page 3

Contaminated equipment:
Wash contaminated clothing before reuse.

SECTION IX. SPECIAL PRECAUTIONS

Storage segregation: Store away from caustics and oxidizers.

Special handling / storage: Keep containers away from excessive heat and freezing. Keep containers tightly closed when not in use. Keep out of reach of children. Do not store at temperatures above 120°F.

Other precautions: Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.

*For metal containers of 32 oz. or less or non-metal containers of 16 oz. or less.

DOT Class: Flammable Liquid (ORM-D*) UN Register: NA 1133 (NA*)

This data is offered in good faith as typical values and not as a product specification. No warranty, either express 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.