



The MSDS format adheres to the standards and regulatory requirements of the United States and may not meet regulatory requirements in other countries.

DuPont
Material Safety Data Sheet

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COR006 "CORIAN" PANEL ADHESIVE
Revised 14-OCT-2006

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

Corian is a registered trademark of DuPont.

Company Identification

MANUFACTURER/DISTRIBUTOR

DuPont
1007 Market Street
Wilmington, DE 19898

PHONE NUMBERS

Product Information : 1-(800)441-7515
Transport Emergency : 1-(800)424-9300 (CHEMTREC)
Medical Emergency : 1-(800)441-3637

COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material	CAS Number	%
*Toluene	108-88-3	16
Acetone	67-64-1	15
*Hexane	110-54-3	15
Kaolin Clay	1332-58-7	
Calcium Carbonate	471-34-1	
Phenolic Resin		
Neoprene Resin	9010-98-4	

* Disclosure as a toxic chemical is required under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

HAZARDS IDENTIFICATION

Emergency Overview

Product is a beige, medium viscosity mastic.

DANGER: EXTREMELY FLAMMABLE, HARMFUL VAPOR. Contains acetone, toluene and hexane. Vapors can cause flash fire. Vapors may ignite explosively. Prevent build-up of vapors by opening all windows and doors to create cross-ventilation. Keep away from heat, sparks and open flame. Do not smoke. Turn off stoves, heaters, sparking electric motors or other sources of ignition until all vapors are gone. Keep container closed when not in use.

(HAZARDS IDENTIFICATION - Continued)

Avoid prolonged breathing of vapor. Keep out of reach of children.

Repeated and prolonged overexposure to the solvent mixture (toluene, acetone, hexane) can result in systemic effects including permanent brain, nervous system, liver and kidney damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Potential Health Effects

INHALATION: Inhalation may cause headaches and dizziness. High vapor concentrations are irritating to the nose, throat and lungs and can cause central nervous system effects, such as drowsiness, incoordination, confusion, and loss of consciousness. Prolonged or repeated inhalation may cause lung damage. Inhalation may cause an allergic reaction.

SKIN CONTACT: Solvents may be harmful if absorbed through the skin. Skin absorption may result in kidney, liver or central nervous system damage. A single exposure is not likely to result in absorption of harmful amounts of material. Solvents may be irritating or drying to skin.

EYE CONTACT: Contact with the product may cause severe eye irritation.

INGESTION: No hazard is expected in normal industrial use. The major ingestion hazard is aspiration (liquid entering the lungs during ingestion or vomiting) with symptoms of coughing, gasping, choking, shortness of breath, bluish discoloration of the skin, rapid breathing and heart rate and fever. Pulmonary edema or bleeding with drowsiness, confusion, coma and seizures may occur in more serious cases. Symptoms may develop immediately or be delayed as much as 24 hours after exposure, depending on how much chemical entered the lungs.

TARGET ORGANS: Prolonged or repeated overexposure may cause eye, skin, respiratory system, central nervous system, peripheral nervous system, liver and/or kidney damage

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Medical conditions associated with target organs may be aggravated by exposure.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

FIRST AID MEASURES

First Aid

INHALATION

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

SKIN CONTACT

Flush skin with water after contact. Wash contaminated clothing before reuse.

EYE CONTACT

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

INGESTION

If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

Aspiration of fluid into lungs during ingestion or vomiting may cause lung damage.

FIRE FIGHTING MEASURES

Flammable Properties

Flash Point : <0 F (<-18 C) Method: Setaflash
Flammable limits in Air, % by Volume
LEL : 1.2 %
UEL : 12.8 %

Flammable liquid. Vapor forms explosive mixture with air.

Extinguishing Media

Foam, Water Spray, CO2.

Fire Fighting Instructions

Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus. Wear full protective equipment.

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction.

Spill Clean Up

Use suitable absorbent to dike the spill. Use non-sparking tools to remove mixture into a container. If product has dried, scrape up and place in container.

HANDLING AND STORAGE

Handling (Personnel)

Avoid prolonged breathing or repeated contact with skin. Wash thoroughly after handling. Wash contaminated clothing prior to reuse. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

Handling (Physical Aspects)

Open container in a well ventilated area. Avoid breathing vapors that may collect in the container headspace. Always use product with positive cross-ventilation. Keep container closed when not in use.

Storage

Do not store above 110 F. Keep away from sources of ignition. Store large quantities in buildings designed and protected for storage of flammable materials.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Use sufficient ventilation to keep employee exposure below recommended limits.

Personal Protective Equipment

EYE/FACE PROTECTION

Wear coverall chemical splash goggles when the possibility exists for eye or face contact from airborne material.

(EXPOSURE CONTROLS/PERSONAL PROTECTION - Continued)

RESPIRATORY PROTECTION

Respirators are not needed for normal use.

Where airborne concentrations are expected to exceed exposure limits, a NIOSH approved respirator should be selected based on the form and concentration of the contaminant in air and in accordance with OSHA Respiratory Protection Standard CFR 1910.134.

PROTECTIVE CLOTHING

Wear impervious clothing, such as gloves, apron, boots, or whole bodysuit as appropriate.

Exposure Guidelines

Applicable Exposure Limits

Toluene

PEL (OSHA)	: 200 ppm, 8 Hr. TWA 300 ppm, Ceiling 500 ppm - 10 Min. Max.
TLV (ACGIH)	: 50 ppm, 188 mg/m ³ , 8 Hr. TWA, Skin, A4 Notice of Intended Changes (2006) 20 ppm, 8 Hr. TWA, A4
AEL * (DuPont)	: 50 ppm, 8 & 12 Hr. TWA

Acetone

PEL (OSHA)	: 1000 ppm, 2400 mg/m ³ , 8 Hr. TWA
TLV (ACGIH)	: 500 ppm, 1188 mg/m ³ , 8 Hr. TWA, A4 STEL 750 ppm, 1782 mg/m ³ , A4
AEL * (DuPont)	: 500 ppm, 8 & 12 Hr. TWA

Hexane

PEL (OSHA)	: 500 ppm, 1800 mg/m ³ , 8 Hr. TWA Hexane isomers - varies with compound
TLV (ACGIH)	: 50 ppm, 8 Hr. TWA, Skin Other Isomers: 500 ppm, 8 Hr. TWA STEL 1,000 ppm
AEL * (DuPont)	: 25 ppm, 8 & 12 Hr. TWA, Skin

* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Form	: Liquid.
Color	: Light beige
Odor	: Solvent.
Solubility in Water	: Nil
Boiling Point	: 121 F (49 C)

(PHYSICAL AND CHEMICAL PROPERTIES - Continued)

Evaporation Rate : >1 (Butyl Acetate=1.0)
% Volatiles : 45 %
Specific Gravity : 1.12
Volatile Organic Content: 502 g/L California Rule 1168

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Avoid sources of heat and ignition.

Incompatibility with Other Materials

Adhesive is insoluble in water and will not mix with water-based materials.

Decomposition

Combustion produces carbon oxides.

Polymerization

Polymerization will not occur.

TOXICOLOGICAL INFORMATION

Animal Data

There is no information available for the product. Selected toxicity data for the components of the solvent mixture are noted below.

Acetone

Acute: Acetone has a low order of acute and inhalation toxicity. Acetone is a slight skin irritant and moderately severe eye irritant. Excessive inhalation can cause headache, incoordination and weakness.

Chronic: Kidney damage and anemia can result from sustained high level exposure.

Hexane

Acute: Ingestion of hexane can cause nausea, vomiting, stomach pain and diarrhea. Hexane can irritate the skin and eyes. The most common acute effects are central nervous system depression and aspiration into the lungs resulting in chemical pneumonitis.

Chronic: Dermal irritation and central nervous system depression accompanied by peripheral nervous system damage are common results of sustained overexposure.

(TOXICOLOGICAL INFORMATION - Continued)

Toluene

Acute: Toluene is a central nervous system depressant and skin and mucous membrane irritant. Severe dermatitis may result from the drying and defatting action of acetone on the skin. Toluene is an aspiration hazard if ingested and can result in chemical pneumonitis.

Chronic: Toluene can cause cardiac sensitization. Toluene is toxic to the kidney and liver and can cause effects on the blood system such as increased clotting time.

ECOLOGICAL INFORMATION

Ecotoxicological Information

This formulation has not been tested for environmental effects.

DISPOSAL CONSIDERATIONS

Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Do not flush to surface water or sanitary sewer system. Discarded material is a RCRA Hazardous Waste.

Container Disposal

Container may contain product residues and vapors. Follow all MSDS/label precautions even after container is emptied.

TRANSPORTATION INFORMATION

Shipping Information

DOT
I.D. No. (UN/NA) : UN1133
Packing Group : III
Hazard Class : 3
Proper Shipping Name : ADHESIVES, containing a flammable liquid
BSX, ADHESIVES, III (LTD QTY)

REGULATORY INFORMATION

U.S. Federal Regulations

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

Acute : Yes
Chronic : Yes
Fire : Yes
Reactivity : No
Pressure : No

RCRA

Under RCRA, it is the responsibility of the product user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste (40 CFR 261.11).

This product has been evaluated and, if discarded in its purchased form, meets the criteria of a RCRA hazardous waste due to ignitability (D001)

TSCA Inventory Status : In compliance with TSCA Inventory requirements for commercial purposes.

State Regulations (U.S.)

STATE RIGHT-TO-KNOW

No substances on the state hazardous substances list, for the states indicated below, are used in the manufacture of products on this Material Safety Data Sheet, with the exceptions indicated.

WARNING - SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM- Toluene

SUBSTANCES ON THE NEW JERSEY WORKPLACE HAZARDOUS SUBSTANCE LIST PRESENT AT A CONCENTRATION OF 1% OR MORE (0.1% FOR SUBSTANCES IDENTIFIED AS CARCINOGENS, MUTAGENS OR TERATOGENS)- Toluene, Acetone, Hexane, Clay, Calcium carbonate

SUBSTANCES ON THE PENNSYLVANIA HAZARDOUS SUBSTANCES LIST PRESENT AT A CONCENTRATION OF 1 % OR MORE (0.01% FOR SPECIAL HAZARDOUS SUBSTANCES)- Toluene, Acetone, Hexane, Kaolin Clay, Calcium Carbonate

OTHER INFORMATION

Additional Information

MEDICAL USE: CAUTION: Do not use in medical applications involving permanent implantation in the human body. For other medical applications see DuPont CAUTION Bulletin No. H-50102.

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Responsibility for MSDS : "Corian" Products
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Buffalo, NY
Telephone : 716-876-4420

Indicates updated section.

This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.

End of MSDS