



# SAFETY DATA SHEET

ROHM & HAAS CHEMICALS LLC

**Product name:** ADCOTE™ 1217D

**Issue Date:** 04/08/2015

**Print Date:** 03/24/2021

ROHM & HAAS CHEMICALS LLC encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

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## 1. IDENTIFICATION

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**Product name:** ADCOTE™ 1217D

**Recommended use of the chemical and restrictions on use**

**Identified uses:** Adhesives.

### COMPANY IDENTIFICATION

ROHM & HAAS CHEMICALS LLC  
Agent for Rohm and Haas Chemicals LLC  
400 ARCOLA ROAD  
COLLEGEVILLE PA 19426-2914  
UNITED STATES

**Customer Information Number:**

800-258-2436

SDSQuestion@dow.com

### EMERGENCY TELEPHONE NUMBER

**24-Hour Emergency Contact:** 1 800 424 9300

**Local Emergency Contact:** 800-424-9300

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## 2. HAZARDS IDENTIFICATION

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### Hazard classification

This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

Flammable liquids - Category 2

Eye irritation - Category 2A

### Label elements

**Hazard pictograms**



Signal word: **DANGER!**

**Hazards**

Highly flammable liquid and vapour.  
Causes serious eye irritation.

**Precautionary statements****Prevention**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Keep container tightly closed.  
Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Wash skin thoroughly after handling.  
Wear protective gloves/ eye protection/ face protection.

**Response**

IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/ attention.  
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

**Storage**

Store in a well-ventilated place. Keep cool.

**Disposal**

Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

no data available

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

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**Chemical nature:** Polymers, solvent based

This product is a mixture.

Component	CASRN	Concentration
Polyester resin(s)	Not Hazardous	16.0 - 18.0 %
Dioxolane	646-06-0	82.0 - 84.0 %

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**4. FIRST AID MEASURES**

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**Description of first aid measures**

**Inhalation:** Move to fresh air.

**Skin contact:** Wash with water and soap as a precaution. If symptoms persist, call a physician.

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

**Ingestion:** Clean mouth with water and drink afterwards plenty of water. Induce vomiting immediately and call a physician. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed:** Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

**Indication of any immediate medical attention and special treatment needed**

**Notes to physician:** Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.

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## 5. FIREFIGHTING MEASURES

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**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable extinguishing media:** no data available

**Special hazards arising from the substance or mixture**

**Hazardous combustion products:** During a fire, irritating and highly toxic gases and/or fumes may be generated during combustion or decomposition.

**Unusual Fire and Explosion Hazards:** Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.

**Advice for firefighters**

**Fire Fighting Procedures:** Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use water spray to cool unopened containers.

**Special protective equipment for firefighters:** In the event of fire, wear self-contained breathing apparatus.

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## 6. ACCIDENTAL RELEASE MEASURES

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**Personal precautions, protective equipment and emergency procedures:** Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

**Environmental precautions:** Try to prevent the material from entering drains or water courses. Do not contaminate surface water.

**Methods and materials for containment and cleaning up:** If liquid has been spilt in large quantities clean up promptly by scoop or vacuum. Sweep up or vacuum up spillage and collect in suitable container for disposal.

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## 7. HANDLING AND STORAGE

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**Precautions for safe handling:** Take precautionary measures against static discharges. Do not smoke. In case of insufficient ventilation, wear suitable respiratory equipment. CONTAINERS MAY BE HAZARDOUS WHEN EMPTY. Since emptied containers retain product residue follow all MSDS and label warnings even after container is emptied.

**Conditions for safe storage:** Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Control parameters

Exposure limits are listed below, if they exist.

Component	Regulation	Type of listing	Value/Notation
Dioxolane	Rohm and Haas	TWA	20 ppm
	Rohm and Haas	STEL	60 ppm
	ACGIH	TWA	20 ppm

### Exposure controls

**Engineering controls:** Ensure adequate ventilation, especially in confined areas.

**Hygiene measures:** General industrial hygiene practice.

**Protective measures:** Wear suitable protective equipment.

### Individual protection measures

**Eye/face protection:** Safety glasses with side-shields. Eye protection worn must be compatible with respiratory protection system employed.

#### Skin protection

**Hand protection:** Chemical-resistant gloves should be worn whenever this material is handled.

**Other protection:** protective suit

**Respiratory protection:** A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use. None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. Up to 10 times the exposure limit: Wear a properly fitted NIOSH approved (or equivalent) half-mask, air-purifying respirator. Up to 50 times the exposure limit: Wear a properly fitted NIOSH approved (or equivalent) full-facepiece, air-purifying respirator, OR full-facepiece, airline respirator in the pressure demand mode. Above 50 times the exposure limit or Unknown: Wear a properly fitted NIOSH approved (or equivalent) self-contained breathing apparatus in the pressure demand mode, OR full-facepiece, airline respirator in the pressure demand mode with emergency escape provision.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### Appearance

Physical state	liquid
Color	yellow
Odor	Solvent odor
Odor Threshold	no data available
pH	Not Applicable
Melting point/range	no data available
Freezing point	no data available
Boiling point (760 mmHg)	74.00 °C ( 165.20 °F)
Flash point	<b>closed cup</b> -4.00 °C ( 24.80 °F) <i>SETAFLASH CLOSED CUP</i>
Evaporation Rate (Butyl Acetate = 1)	no data available
Flammability (solid, gas)	Not Applicable
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapor Pressure	no data available
Relative Vapor Density (air = 1)	Not available
Relative Density (water = 1)	1.1000
Water solubility	slightly soluble
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Kinematic Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Molecular weight	no data available
Volatile Organic Compounds	910.00 g/L

NOTE: The physical data presented above are typical values and should not be construed as a specification.

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## 10. STABILITY AND REACTIVITY

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**Reactivity:** no data available

**Chemical stability:** no data available

**Possibility of hazardous reactions:** Stable under recommended storage conditions.

**Conditions to avoid:** no data available

**Incompatible materials:** Avoid contact with the following: Strong oxidizing agents Strong acids and strong bases

**Hazardous decomposition products:** No decomposition if stored and applied as directed.

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## 11. TOXICOLOGICAL INFORMATION

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*Toxicological information on this product or its components appear in this section when such data is available.*

### **Acute toxicity**

#### **Acute oral toxicity**

Product test data not available.

#### **Acute dermal toxicity**

Product test data not available.

#### **Acute inhalation toxicity**

Product test data not available.

### **Skin corrosion/irritation**

Product test data not available.

### **Serious eye damage/eye irritation**

Product test data not available.

### **Sensitization**

Product test data not available.

### **Specific Target Organ Systemic Toxicity (Single Exposure)**

Product test data not available.

### **Specific Target Organ Systemic Toxicity (Repeated Exposure)**

Product test data not available.

### **Carcinogenicity**

Product test data not available.

### **Teratogenicity**

Product test data not available.

### **Reproductive toxicity**

Product test data not available.

### **Mutagenicity**

Product test data not available.

### **Aspiration Hazard**

Product test data not available.

**Additional information**

No toxicity data are available for this material.

**COMPONENTS INFLUENCING TOXICOLOGY:****Polyester resin(s)****Acute oral toxicity**

Single dose oral LD50 has not been determined.

**Acute dermal toxicity**

The dermal LD50 has not been determined.

**Acute inhalation toxicity**

The LC50 has not been determined.

**Dioxolane****Acute oral toxicity**

LD50, Rat, 5,200 - 7,460 mg/kg

**Acute dermal toxicity**

LD50, Rabbit, 8,480 mg/kg

**Acute inhalation toxicity**

Brief exposure (minutes) is not likely to cause adverse effects. In confined or poorly ventilated areas, vapor can readily accumulate and can cause unconsciousness and death. Excessive exposure may cause irritation to upper respiratory tract (nose and throat) and lungs.

LC50, Rat, 4 Hour, Vapour, 68.4 mg/l

**Skin corrosion/irritation**

Brief contact is essentially nonirritating to skin.

Prolonged contact may cause skin irritation with local redness.

Repeated contact may cause skin burns. Symptoms may include pain, severe local redness, swelling, and tissue damage.

May cause more severe response if skin is abraded (scratched or cut).

**Serious eye damage/eye irritation**

May cause pain disproportionate to the level of irritation to eye tissues.

May cause moderate eye irritation.

May cause moderate corneal injury.

**Sensitization**

For skin sensitization:

No relevant data found.

For respiratory sensitization:

No relevant data found.

**Specific Target Organ Systemic Toxicity (Single Exposure)**

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

**Specific Target Organ Systemic Toxicity (Repeated Exposure)**

In animals, effects have been reported on the following organs:

Blood.  
Liver.  
Observations in animals include:  
Incoordination.

**Carcinogenicity**

Did not cause cancer in laboratory animals.

**Teratogenicity**

No relevant data found.

**Reproductive toxicity**

No relevant data found.

**Mutagenicity**

In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.

**Aspiration Hazard**

Based on available information, aspiration hazard could not be determined.

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## 12. ECOLOGICAL INFORMATION

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*Ecotoxicological information on this product or its components appear in this section when such data is available.*

**General Information**

There is no data available for this product.

**Toxicity****Polyester resin(s)****Acute toxicity to fish**

No relevant data found.

**Dioxolane****Acute toxicity to fish**

Material is practically non-toxic to aquatic organisms on an acute basis  
(LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested).

No deaths occurred at this concentration.

LC50, *Lepomis macrochirus* (Bluegill sunfish), semi-static test, 96 Hour, > 95.4 mg/l, OECD  
Test Guideline 203 or Equivalent

**Acute toxicity to aquatic invertebrates**

EC50, *Daphnia magna* (Water flea), semi-static test, 48 Hour, > 772 mg/l, OECD Test  
Guideline 202 or Equivalent

**Acute toxicity to algae/aquatic plants**

ErC50, *Scenedesmus capricornutum* (fresh water algae), Growth inhibition, 72 Hour, Growth  
rate inhibition, > 877 mg/l, OECD Test Guideline 201 or Equivalent

**Persistence and degradability**



**Polyester resin(s)**

**Biodegradability:** No relevant data found.

**Dioxolane**

**Biodegradability:** Material is expected to biodegrade very slowly (in the environment). Fails to pass OECD/EEC tests for ready biodegradability.

10-day Window: Fail

**Biodegradation:** 3.7 %

**Exposure time:** 35 d

**Method:** OECD Test Guideline 301D or Equivalent

**Theoretical Oxygen Demand:** 1.52 mg/mg

**Chemical Oxygen Demand:** 1.33 mg/mg

**Photodegradation**

**Atmospheric half-life:** 9.2 Hour

**Method:** Estimated.

**Bioaccumulative potential****Polyester resin(s)**

**Bioaccumulation:** No relevant data found.

**Dioxolane**

**Bioaccumulation:** Bioconcentration potential is low (BCF < 100 or Log Pow < 3).

**Partition coefficient: n-octanol/water(log Pow):** -0.37 Measured

**Mobility in soil****Polyester resin(s)**

No relevant data found.

**Dioxolane**

Potential for mobility in soil is very high (Koc between 0 and 50).

**Partition coefficient(Koc):** < 1 Estimated.

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**13. DISPOSAL CONSIDERATIONS**

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**Disposal methods:** Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations. Do not dispose of waste into sewer.  
(See 40 CFR 268)

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**14. TRANSPORT INFORMATION**

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**DOT**

<b>Proper shipping name</b>	Resin solution
<b>UN number</b>	UN 1866
<b>Class</b>	3
<b>Packing group</b>	II

**Classification for SEA transport (IMO-IMDG):**

Proper shipping name	RESIN SOLUTION
UN number	UN 1866
Class	3
Packing group	II
Marine pollutant	No
Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code	Consult IMO regulations before transporting ocean bulk

**Classification for AIR transport (IATA/ICAO):**

Proper shipping name	Resin solution
UN number	UN 1866
Class	3
Packing group	II

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

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## 15. REGULATORY INFORMATION

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**OSHA Hazard Communication Standard**

This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312**

Acute Health Hazard  
Chronic Health Hazard  
Fire Hazard

**Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313**

This product does not contain a chemical which is listed in Section 313 at or above de minimis concentrations.

**Pennsylvania**

Any material listed as "Not Hazardous" in the CAS REG NO. column of SECTION 2, Composition/Information On Ingredients, of this MSDS is a trade secret under the provisions of the Pennsylvania Worker and Community Right-to-Know Act.

**California (Proposition 65)**

This product contains trace levels of a component or components known to the state of California to cause cancer:

**Components**

Antimony Trioxide

**CASRN**

1309-64-4

**United States TSCA Inventory (TSCA)**

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.

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**16. OTHER INFORMATION**

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**Hazard Rating System****HMIS**

Health	Flammability	Physical Hazard
2*	3	0

\* = Chronic Effects (See Hazards Identification)

**Revision**

Identification Number: 101109554 / 1001 / Issue Date: 04/08/2015 / Version: 3.0

Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.

**Legend**

ACGIH	USA. ACGIH Threshold Limit Values (TLV)
Rohm and Haas	Rohm and Haas OEL's
STEL	Short term exposure limit
TWA	Time weighted average

**Information Source and References**

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

ROHM & HAAS CHEMICALS LLC urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other

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