

## SAFETY DATA SHEET

Version: v1

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

## 1.1 Product identifiers

Product name : 1,2-Dichloropropane Standard  
Product Number : D128131  
Brand : aladdin  
CAS-No. : 78-87-5(Methanol)

## 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances.

## 1.3 Company

Company : ALADDIN SCIENTIFIC CORPORATION  
Address : 14078 Meridian Parkway,  
Riverside, CA. 92518  
Telephone : +1 (833) 552-7181  
Fax : no data available

## 1.4 Emergency telephone number

CHEMTREC®, Inside the USA : 1-800-424-9300  
CHEMTREC®, Outside the USA :

## SECTION 2: Hazards identification

## 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)  
Flammable liquids Category 2  
Acute oral toxicity category 3  
Acute skin toxicity category 3  
Acute inhalation toxicity category 3  
Carcinogenicity category 1B  
Specific target organ toxicity - single exposure, category 1

## 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

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|                            |                                                                                                          |
|----------------------------|----------------------------------------------------------------------------------------------------------|
| H225                       | Highly Flammable liquid and vapor                                                                        |
| H350                       | May cause cancer                                                                                         |
| H370                       | Causes damage to organs                                                                                  |
| H301+H311+H331             | Toxic if swallowed, in contact with skin or if inhaled                                                   |
| Precautionary statement(s) |                                                                                                          |
| P210                       | Keep away from heat, hot surface, sparks, open flames and other ignition sources. - No smoking.          |
| P280                       | Wear protective gloves/protective clothing/eye protection/face protection.                               |
| P301+P310                  | IF SWALLOWED: Immediately call a POISON CENTER/doctor/...                                                |
| P303+P361+P353             | IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower]. |
| P405                       | Store locked up.                                                                                         |
| P501                       | Dispose of contents/container to an approved waste disposal plant.                                       |

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

|                  |                        |
|------------------|------------------------|
| Synonyms         | : Propylene dichloride |
| Formula          | : C3H6Cl2              |
| Molecular weight | : 112.99               |

| Component                  | Classification                                                              | Concentration |
|----------------------------|-----------------------------------------------------------------------------|---------------|
| <b>Methanol</b>            |                                                                             |               |
| CAS-No. : 67-56-1          | Flam. Liq. 2; Acute Tox. 3; STOT SE 1; H225, H301, H331, H311, H370         |               |
| EC-No. :                   | Concentration limits: >= 10 %: STOT SE 1, H370; 3 - < 10 %: STOT SE 2, H371 |               |
| <b>1,2-Dichloropropane</b> |                                                                             |               |
| CAS-No. : 78-87-5          | Flam. Liq. 2, H225; Carc. 1B, H350; Acute Tox. 4, H302; Acute Tox. 4,       |               |
| EC-No. :                   | H332                                                                        |               |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General advice

First aiders need to protect themselves. Show this material safety data sheet to the doctor in attendance.

#### If inhaled

After inhalation: fresh air. Immediately call in physician. If breathing stops: immediately apply artificial respiration, if

necessary also oxygen.

In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Consult a physician.

In case of eye contact

After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.

If swallowed

After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

## **4.2 Most important symptoms and effects, both acute and delayed**

no data available

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

no data available

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## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

Suitable extinguishing media

Water Foam Carbon dioxide (CO<sub>2</sub>) Dry powder

Unsuitable extinguishing media

no data available

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

During heating or in case of fire poisonous gases are produced.

### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

### **5.4 Further information**

Use water spray to cool unopened containers.

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## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert.

### **6.2 Environmental precautions**

Do not let product enter drains. Risk of explosion

### **6.3 Methods and materials for containment and cleaning up**

Cover drains. Collect, bind, and pump off spills.

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## 6.4 Reference to other sections

For disposal see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge. Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep the container closed and store it in a dry, ventilated and cool place. It is recommended to store at a temperature of 2-8 °C.

### 7.3 Specific end use(s)

no data available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

| Component           | CAS No  | value                           | Control parameter | foundation                                                                              |
|---------------------|---------|---------------------------------|-------------------|-----------------------------------------------------------------------------------------|
| 1,2-Dichloropropane | 78-87-5 | PC-TWA                          | 350 mg/m3         | Occupational exposure limits for occupational hazards in the workplace-chemical hazards |
|                     | tips    | G1 -Human Carcinogen identified |                   |                                                                                         |
|                     |         | PC-STEL                         | 500 mg/m3         | Occupational exposure limits for occupational hazards in the workplace-chemical hazards |
|                     |         | G1 -Human Carcinogen identified |                   |                                                                                         |

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

##### Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU)2016/425 and the standard EN 374 derived from it.

##### Body Protection

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection,use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN(EU).

##### Control of environmental exposure

If it is safe, prevent further leakage or spillage and do not allow the product to enter the sewer system.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                                 |                   |
|-------------------------------------------------|-------------------|
| a) Appearance                                   | no data available |
| b) Odour                                        | no data available |
| c) Odour Threshold                              | no data available |
| d) pH                                           | no data available |
| e) Melting point/freezing point                 | -100°C            |
| f) Initial boiling point and boiling range      | 96°C              |
| g) Flash point                                  | 21°C              |
| h) Evaporation rate                             | no data available |
| i) Flammability (solid, gas)                    | no data available |
| j) Upper/lower flammability or explosive limits | no data available |
| k) Vapour pressure                              | no data available |
| l) Vapour density                               | no data available |
| m) Relative density                             | 0.7915            |
| n) Water solubility                             | no data available |

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- o) Partition coefficient: n-octanol/water no data available
- p) Auto-ignition temperature no data available
- q) Decomposition temperature no data available
- r) Viscosity no data available
- s) Explosive properties N no data available
- t) Oxidizing properties N no data available

## 9.2 Other safety information

no data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

no data available

### 10.2 Chemical stability

Stable under recommended storage conditions

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

Warming.

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

no data available

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity

no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

no data available

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Carcinogenicity

no data available

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Additional Information

RTECS: TX9625000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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## SECTION 12: Ecological information

### 12.1 Toxicity

no data available

### 12.2 Persistence and degradability

no data available

### 12.3 Bioaccumulative potential

no data available

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

no data available

### 12.6 Other adverse effects

no data available

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## SECTION 13:

### 13.1 Disposal considerations

Product

Recycle to process, if possible. Consult your local regional authorities and an expert of disposal. You may be able to dissolve or mix material with a combustible solvent and little by little burn in a chemical incinerator equipped with an afterburner and scrubber system. If a large amount of the substance is burned at a time, an explosion may occur.

Observe all federal, state and local regulations when disposing of the substance.

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Contaminated packaging  
Dispose of as unused product.

## SECTION 14: Transport information

### DOT (US)

|                                          |                                            |                                             |
|------------------------------------------|--------------------------------------------|---------------------------------------------|
| UN number: 1230                          | Packing group: II                          | Class: 3(6.1)                               |
| Proper shipping name: METHANOL mixture   | Reportable Quantity(RQ): no data available | Poison Inhalation Hazard: no data available |
| Environmental Hazards: no data available |                                            |                                             |

### IMDG

|                                        |                   |                           |
|----------------------------------------|-------------------|---------------------------|
| UN number: 1230                        | Packing group: II | EMS-No: no data available |
| Proper shipping name: METHANOL mixture |                   |                           |

### IATA

|                                        |                   |               |
|----------------------------------------|-------------------|---------------|
| UN number: 1230                        | Packing group: II | Class: 3(6.1) |
| Proper shipping name: METHANOL mixture |                   |               |

## SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

## SECTION 16: Other information

### Prepared By

Regulatory Affairs  
ALADDIN SCIENTIFIC CORPORATION  
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SDS sections updated v1

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