

# Accelerated Analysis

PMB Q-310  
80 N Cabrillo Highway  
Half Moon Bay, CA 94019  
Phone: (650) 867-8443  
<http://AcceleratedAnalysis.com>

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## Material Safety Data Sheet

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### 1. Chemical Product and Company Identification

**Trade Name:** K18R Liquid Crystal

**Manufacturer:**

**Accelerated Analysis**

PMB Q-310

80 N Cabrillo Highway

Half Moon Bay, CA 94019

**Emergency Phone Number:** (650) 867-8443

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### 2. Composition / Information on Ingredients

Hexylcyanobiphenyl	CAS No. 41122-70-7	< 10%
Methylene Chloride	CAS No. 75-09-2	> 90%

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### 3. Hazards Identification

**Eyes:** Contact may cause eye irritation and possible burning.

**Skin:** Causes irritation, itching, and redness. May be absorbed through skin.

**Ingestion:** May cause irritation of the digestive tract.

**Inhalation:** May effect central nervous system characterized by headache and dizziness.

**Chronic:** Possible cancer hazard based on tests with laboratory animals. May cause fetal effects.

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### 4. First Aid Measures

**Eyes:** Flush with water for 15 minutes. Get immediate medical attention.

**Skin:** Wash with soap and water.

**Ingestion:** If swallowed, induce vomiting as directed by medical personnel.

**Inhalation:** Remove to fresh air.

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### 5. Fire Fighting Measures

**Flash Point:** none

**Auto ignition:** 1033°F (556°C)

**Extinguishing Media:** water, dry chemical, foam, or carbon dioxide.

## 6. Accidental Release

Absorb spill with paper towel or other inert absorbent material.

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## 7. Handling and Storage

Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Store in tightly closed container in cool, dry, well ventilated area away from food.

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## 8. Exposure Controls

Provide general or local exhaust ventilation.

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## 9. Physical and Chemical Properties

**Appearance:** colorless liquid

**Odor:** ethereal odor

**Freezing Point:** -142°F

**Boiling Point:** 104°F

**Evaporation Rate:** 27.5 (BuAc=1)

**NFPA Ratings for Methylene Chloride:** Health 2, Flammability 1, Reactivity 0

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## 10. Stability and Reactivity

**Chemical Stability:** stable

**Conditions to avoid:** strong oxidizers

**Hazardous Decomposition:** hydrogen chloride, phosgene, carbon monoxide

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## 11. Toxicological Information

CAS No. 75-09-2

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## 12. Ecological Information

Methylene Chloride has a moderate potential to affect some aquatic organisms.

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## 13. Disposal Considerations

Absorb with vermiculite or dry sand. Dispose as hazardous waste.

## 14. Transport Information

**Shipping Name:** Dichloromethane

**Hazard Class:** 6.1

**Packing Group:** III (Y 605 "Limited Quantity") (49 CFR 173.4 "small quantity exception")

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## 15. Regulatory Information

None of the chemicals in this product are under a Chemical Test Rule.

The following statement is made to comply with the California Drinking Water Act:

WARNING: This product contains Methylene Chloride, a chemical known to the state of California to cause cancer.

CAS no significant risk level = 50ug/day

**Hazard Symbol:** Xn

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## 16. MSDS Creation Date: May 1, 1999

Revised:

03/03/2000

04/03/2000

03/03/2006

Zip Code: 5 digits only

Emergency Phone Number: updated

04/08/2009

Company Logo: added

2. Composition: clarified

NOTE: Methylene Chloride reference: updated

**NOTE:** Hazardous properties listed in this document are those of the major component, Methylene Chloride. For further information about Methylene Chloride, see <http://fscimage.fishersci.com/msds/14930.htm>