

Accelerated Analysis

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

Material Safety Data Sheet

1. Chemical Product and Company Identification

Trade Name: LC29R Liquid Crystal
Previous Name: K18R

Manufacturer:
Accelerated Analysis
PMB Q-310
80 N Cabrillo Highway
Half Moon Bay, CA 94019

Emergency Phone Number: (650) 867-8443

2. Composition / Information on Ingredients

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

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.

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.

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.

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.

8. Exposure Controls

Provide general or local exhaust ventilation.

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

10. Stability and Reactivity

Chemical Stability: stable

Conditions to avoid: strong oxidizers

Hazardous Decomposition: hydrogen chloride, phosgene, carbon monoxide

11. Toxicological Information

CAS No. 75-09-2

12. Ecological Information

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

13. Disposal Considerations

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

14. Transport Information

UN Number: UN1593

Proper Shipping Name: Dichloromethane solution

Hazard Class: 6.1

Packing Group: III

For inner package volumes of 30 mL or less (Not to exceed outer package volume of 1 L):

FedEx and/or International Shipments: ship as "Excepted Quantity"

and attach "Excepted Quantity" label and specify UN number(s) and hazard class(es)

UPS and/or Domestic Shipments: ship per 49 CFR 173.4 "small quantity exception"

and attach label "this package conforms to 49CFR..."

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

MSDS Creation Date: August 1, 2012

Revised:

09/20/2012

Added... **Previous Name**

09/20/2013

Transportation Information... Updated / Clarified

NOTE: Hazardous properties listed in this document are those of the major component, Methylene Chloride.

For further information about Methylene Chloride see:

<http://www.sigmaaldrich.com/catalog/product/sial/270997?lang=en®ion=US>