

Beechem Laboratories

BEECHEM LAYOUT FLUID - BLUE

NFPA

Manufacturer MSDS Number:

1 0

**SECTION 1 : Chemical Product and Company Identification****MSDS Name:** Beechem Layout Fluid - Blue**Manufacturer Name:** Beechem Laboratories**Department:** DIV. KELLEY LABORATORY**Address:**617 INDUSTRIAL DRIVE,
SHELBY MI 49455**Email:** LKelley@goruby.com**Business Phone:** 231 861-6257**Business Fax:** 231 861-6458**For information in North America, call:** 231 861-6257**Manufacturer MSDS Revision Date:**

5/14/02

NFPA**Health:** 1**Flammability:** 4**Reactivity:** 0**Other:**

PREPARED 5/14/02 BY L KELLEY



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SECTION 2 : Hazardous Ingredients/Identity Information

Chemical Name	CAS#	% Weight	
Acetone	67-64-1	1-5 %	

ACGIH TLV TWA: 1000 ppm

Chemical Name	CAS#	% Weight	
Butanol	71-36-3	1-1 %	

ACGIH TLV TWA: 100 ppm

Chemical Name	CAS#	% Weight	
Di-Butyl Phthalate	84-74-2	1-5 %	

ACGIH TLV TWA: 5mg/m3

Chemical Name	CAS#	% Weight	
Dye Blue	2390-60-5	.1-1 %	

ACGIH TLV TWA: nuisance dust

Chemical Name	CAS#	% Weight	
Ethanol	64-17-5	50-55 %	

ACGIH TLV TWA: 1000 ppm

Chemical Name	CAS#	% Weight	
Ethyl Acetate	141-78-6	3-5 %	

ACGIH TLV TWA: 400 ppm

Chemical Name	CAS#	% Weight	
Isopropanol	67-63-0	1-5 %	

ACGIH TLV TWA: 400 ppm

Chemical Name	CAS#	% Weight	
Methanol	67-56-1	1-5 %	

ACGIH TLV TWA: 200 ppm

Chemical Name	CAS#	% Weight	
Methyl Isobutyl Ketone	108-10-1	.1-1 %	

ACGIH TLV TWA: 100 ppm

Chemical Name	CAS#	% Weight	
n Butyl Acetate	123-86-4	25-30 %	

ACGIH TLV TWA: 150 ppm

Chemical Name	CAS#	% Weight	
Natural Resins	68607-68-1	1-4 %	

ACGIH TLV TWA: Not Applicable

Chemical Name	CAS#	% Weight	
Toluene	108-88-3	1-4 %	

ACGIH TLV TWA: 100 ppm

Chemical Name	CAS#	% Weight	
Water	7732-18-5	1-5 %	

ACGIH TLV TWA: Not Applicable

Chemical Name	CAS#	% Weight	
Wet Nitrocellulose	9004-70-0	1-4 %	

ACGIH TLV TWA: Not Established

"Beechem" has been used by industry for over 40 years. It has never harmed any employees who handle large quantities of both raw and finished materials. Containers are labeled "Flammable - Do Not Use Near Open Flame."



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SECTION 3 : Physical And Chemical Characteristics

Color:

Intense bright colors

Odor:

Butyl acetate odor predominates

Vapor Pressure:

(mm Hg) at 21 deg C: 100

Vapor Density:

(air=1): > 1.6

Boiling Point:

165

Solubility:

In Water: Insoluble

Specific Gravity:

(water=1): .83 - .88

Evaporation Point:

(ether=1): 3

FlashPoint:

60 deg F

53.6 deg F

Upper Flammable Explosive Limit:

25%

Lower Flammable Explosive Limit:

6.70%



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SECTION 4 : Fire And Explosion Hazards

Flash Point:

60 deg F

53.6 deg F

Flash Point Method:

Open cup

Closed cup

Upper Flammable or Explosive Limit: 25%

Lower Flammable or Explosive Limit: 6.70%

Extinguishing Media:

CO2 - Foam - Dry Chemical

Fire Fighting Instructions:

Water streaming should be avoided as this tends to spread any flammable liquid, making control of the fire difficult. When fighting solvent fires, wear a self-contained breathing apparatus, face shield, rubber gloves, rubber boots and rain suit.

Unusual Fire Hazards:

Vapors are toxic. Vapors mixed with air within flammability concentration limits (6-25% by volume) are explosively ignited by any spark source. Vapors are heavier than air and can travel along floor to distant ignition sources.



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SECTION 5 : Health Hazards

Applies to All Ingredients:

Route of Exposure:

Swallowing, Skin Absorption, Inhalation, Skin Contact, Eye Contact

Potential Health Effects:

Acute:

Onset of symptoms may be delayed as long as 30 hours. Mild intoxication may be associated with nonspecific headache, fatigue, nausea and blurring of vision, usually reversible.

Poisoning by inhalation or vapors is uncommon but could occur at extreme levels of exposure.

Intoxication by skin absorption is unlikely unless material is in contact over long periods with large injured skin surfaces.

Warning! This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

Eye Contact:

Acute: Minor irritation

Skin Contact:

Acute: No adverse effect evidence from available information

Skin Absorption:

Acute: No adverse effect evidence from available information

Inhalation:

Acute: May cause dizziness, drowsiness, nausea and vomiting

Swallow:

Acute: Dizziness, drowsiness, decreased reaction, euphoria, nausea, vomiting, staggering gait and coma

Carcinogenicity:

Material Is not known to be carcinogenic.

Aggravation of Pre-Existing Conditions:

None known to Beechem

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SECTION 6 : Emergency And First Aid Procedures

Eye Contact:

Immediately flush with plenty of water for at least 15 minutes. Call a physician.

Skin Contact:

Flush with water.

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration; preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.

Ingestion:

Swallowing: Induce vomiting immediately. Give 2 glasses of water and stick finger down throat.

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SECTION 7 : Reactivity Data

Chemical Stability:

Stable

Conditions to Avoid:

Spark and flame lead to rapid ignition and combustion. Spontaneous ignition in air will occur at 385 deg C.

Incompatibilities with Other Materials:

Strong oxidizers

Hazardous Polymerization:

Will not occur

Hazardous Decomposition Products:

Formaldehyde, carbon monoxide, formic acid



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SECTION 8 : Precautions For Safe Handling**Spill Cleanup Measures:**

Extinguish and do not turn on any ignition source until area is determined to be free from explosion or fire hazards. Collect large spills for disposal. Small spills are absorbed easily with sawdust.

Other Precautions:

Prohibit smoking and open flames or spark sources in area where vapors may exist. Keep containers closed and isolated from heat sources, sparks and open flame. Do not swallow the liquid or breathe vapors.

Handling:

Keep away from sparks, use in well ventilated cool place. Do not take internally, keep container closed, avoid breathing vapors.

Hygiene Practices:

Organic vapor mask in unventilated room.

Waste Disposal:

Cover with absorbent material - let evaporate under hood, do not pour down sink.

Transportation Information:

DOT SHIPPING INFORMATION FOR 1 GALLON CONTAINERS

DOT Shipping Name:

Paint

DOT UN Number:

1263

DOT Hazard Class: 3**DOT Packing Group: II****DOT Subpart E Labeling Requirement: Flammable Liquid**

DOT SHIPPING INFORMATION FOR 8 OZ & 16 OZ CONTAINERS

Labels Required: ORM-D ONLY (NO FLAMMABLE OR UN#)

ALL PACKAGING (8 OZ, 16 OZ, GALLON) MUST BE TESTED AND APPROVED



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SECTION 9 : Control Measures**Ventilation System:**

Special local ventilation is needed at points where vapors are expected to be vented to the workplace air.

Hand Protection Description:

Protective Gloves: None normally needed.

Eye/Face Protection:

Safety Glasses.

Protective Clothing/Body Protection:

Eye bath, safety shower.

Respiratory Protection:

None normally needed in ventilated room with normal use.

Other:

Work/Hygienic Practices: Organic vapor mask in unventilated room.

[TOP](#)**SECTION 10 : Other Information****Applies to all ingredients:****State:**

Warning! This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

NFPA:

Fire Hazard: 4

Health: 1

Reactivity: 0

MSDS Revision Date:

5/14/02

MSDS Author:

L KELLEY

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