Material Safety Data Sheet

Revision Date *20-Feb-2007*

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code 92825
Product name Blue Layout Fluid
Recommended Use Coating

Supplier

Lawson Products, Inc.
1666 East Touhy Avenue
Des Plaines, IL 60018
(847)-827-9666

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview

May cause irritation of respiratory tract. Irritating to eyes. Vapors may cause flash fire or explosion.

Color Blue **Odor** Solvent **Form** Aerosol

Aggravated Medical Conditions None Known

Principal Routes of Exposure Skin contact. Skin absorption. Inhalation. Eyes.

Potential health effects

Eyes Exposure to vapors may cause the following effects:. Irritation. Pain. Tearing. Reddening. Swelling. Stinging sensation. Feeling like that of fine dust in the eye.

Skin Repeated or prolonged exposure may cause:. Defatting. Skin Irritation. Dermatitis. Chronic exposure causes drying effect on the skin .

Inhalation Harmful by inhalation. Long-term exposure may cause the following effects:. Headaches. Dizziness. Nausea. Decreased blood pressure. Changes in heart rate. Cyanosis. Extreme overexposure may cause. Central nervous system damage. Kidney damage. Lung damage.

Ingestion Harmful or fatal if swallowed. Can burn mouth, throat, and stomach. Severe tissue damage.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Methyl ethyl ketone	78-93-3	40-70
Propane/Isobutane/N-Butane	68476-86-8	10-30
VM&P Naphtha	8032-32-4	7-13
Dock Resin	Mixture	10-30

4. FIRST AID MEASURES

Eye contact Flush eyes with plenty of water. Seek medical attention if irritation persists.

Skin contact Wash area thoroughly with soap and water. Remove and wash contaminated clothing before re-use. Seek medical attention immediately.

Ingestion Seek medical attention immediately. Do not induce vomiting. Give victim a glass of water or milk. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.

Inhalation Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Immediate medical attention is required.

5. FIRE FIGHTING MEASURES

Flash point °C -104
Flash point °F -156
Method Pensky-Martens C.C.

Autoignition temperature °C Not Applicable
Autoignition temperature °F Not Applicable

Flammability Limits (% in Air)
Upper 11.5
Lower 1.0

Suitable extinguishing media
Water fog. Dry chemical. Carbon dioxide (CO2). Foam.

Special protective equipment for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Special Fire-Fighting Procedures
Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Fire and Explosion Hazards
Vapors are heavier than air and may travel along the ground to an ignition source distant from material handling area. Possible ignition sources include pilot lights, flames, lighted cigarettes, heating elements, electric motors, sparks from electrical switches. Empty containers contain residue and/or vapors. Do not weld, cut, pressurize, braze, solder, drill, grind, or expose such containers to heat, sparks, flame, static electricity, or other sources of ignition. They may explode and cause injury or death.

Sensitivity to shock
No information available.

Sensitivity to static discharge
No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Place in suitable container for disposal as hazardous waste.

7. HANDLING AND STORAGE

Handling
Thoroughly wash hands and exposed skin after handling. Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes and clothing. Avoid breathing vapors from heated material . Use only according to label directions. Keep in a well-ventilated place.

Storage
Containers exposed to extreme heat may burst. Keep away from heat and sources of ignition. Do not freeze.

NFPA Storage Code
Store as Level 3 Aerosol (NFPA 30B)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Methyl ethyl ketone	200 ppm 590 mg/m³	-	200 ppm	300 ppm
Propane/Isobutane/N-Butane	-	-	-	N/D
VM&P Naphtha	-	-	300 ppm	-
Dock Resin	-	-	-	-

Ventilation and Environmental Controls
Use enough ventilation, local exhaust at the work area, or both, to keep below the TLV's in the worker's breathing zone and the general area. Use in a well ventilated area.

Hygiene measures
Wash hands before eating or using the washroom. Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes and clothing.

Personal protective equipment

Respiratory protection
If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended. Protection provided by air purifying respirators is limited. Use a positive pressure supplied air respirator. if there is any potential for an uncontrolled release. where exposure levels are not known. or other circumstances where an air purifying respirator (P100) may not provide adequate protection .

Hand Protection
For prolonged or repeated skin contact, use a chemically resistant glove such as nitrile or neoprene. Wash hands with soap and water after removing gloves. Dry hands thoroughly before re-applying gloves. .

Eye protection
ANSI approved safety glasses or splash goggles with face shield are recommended.

Skin and body protection
Rubber or plastic boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol	**Color**	Blue
Odor	Solvent	**Odor Threshold**	No information available
pH	Not Applicable	**Specific Gravity**	0.7298
Vapor pressure	4396 mm Hg	**Vapor density**	>Air
Evaporation Rate	>1 (Butyl Acetate = 1)	**VOC Content**	87.4%; 636 gm/liter; 5.31 lbs/gal
Water solubility	Partly soluble	**Partition Coefficient (n-octanol/water)**	Not Applicable
		Boiling point/range °C	-41 - 141
Boiling point/range °F	-43 - 287	**Melting point/range °C**	0
Melting point/range °F	32	**Flash point °C**	-104
Flash point °F	-156		

10. STABILITY AND REACTIVITY

Stability
Stable under recommended storage conditions.

Conditions to avoid
Avoid sources of ignition. Avoid open flames. Do not use near welding arcs.

Incompatability
Strong acids. Alkalis. Oxidizers. Amines.

Hazardous Decomposition Products
Carbon oxides. Nitrogen oxides (NOx). Chlorides. Chlorine. phosgene.

Polymerization
Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
Methyl ethyl ketone 78-93-3	2600 mg/kg	6400 mg/kg	32 g/m^3
Propane/Isobutane/N-Butane 68476-86-8	-	-	-
VM&P Naphtha 8032-32-4	-	-	3400 ppm
Dock Resin Mixture	-	-	-

Synergistic Products
None known

Potential health effects

Sensitization
None known

Chronic toxicity
See Section 2 .

Mutagenic effects
None known

Teratogenic effects
None known

Reproductive toxicity
None known

Target Organ Effects
None Known

Carcinogenic effects
See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Methyl ethyl ketone	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
VM&P Naphtha	Listed	Not Listed	Not Listed	Not Listed	Not Listed
Dock Resin	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Methyl ethyl ketone

Microtox Data
Photobacterium phosphoreum EC50=3403 mg/L (30 min)
Photobacterium phosphoreum EC50=3426 mg/L (5 min)
Water Flea Data
water flea EC50=520 mg/L (48 h)

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products
Dispose in accordance with federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT

UN1950 Aerosols, flammable (Propane/Isobutane/n-Butane), Class 2.1
Exception: (Compressed Gas not more than 1.0L) Consumer Commodity ORM-D

TDG

UN1950 AEROSOLS (Propane/Isobutane/n-Butane), Class 2.1

IMDG/IMO

UN1950 AEROSOLS (Propane/Isobutane/n-Butane), Class 2.1

IATA

UN1950 Aerosols, flammable (Propane/Isobutane/n-Butane), Class 2.1

MEX

UN1950 AEROSOLES (Propane/Isobutane/n-Butane), 2.1

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Methyl ethyl ketone	Listed

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Methyl ethyl ketone	Listed	Listed	Not Listed
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed
VM&P Naphtha	Not Listed	Listed	Not Listed
Dock Resin	Not Listed	Not Listed	Not Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
Methyl ethyl ketone	X	X	-	X
Propane/Isobutane/N-Butane	X	X	-	X
VM&P Naphtha	X	X	-	X
Dock Resin	-	-	-	-

CPRC This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION

NFPA		HMIS	
Health	-	**Health**	3
Flammability	-	**Flammability**	4
Reactivity	-	**Physical Hazard**	0

Prepared By Michael Katz, Regulatory Affairs Specialist

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.