



Material Safety Data Sheet

Revision Date 19-Apr-2005

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code 99491
Product name Liquid Vinyl
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

Flammable. Irritant. May be harmful if swallowed.

Color Various

Odor Petroleum

Form Liquid

Aggravated Medical Conditions No information available

Principal Routes of Exposure Eyes. Skin. Inhalation. Ingestion.

Potential health effects

Eyes Severe irritation. Redness. Pain. Swelling. Risk of serious damage to eyes.

Skin Pain. Itching. Redness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Severe irritation. May be absorbed through the skin in harmful amounts. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

Inhalation Irritation of the nose or throat. Extreme overexposure may cause. Central nervous system depression. Dizziness. Headaches. Loss of coordination. Insensibility. Kidney damage. Liver damage.

Ingestion Swallowing substance may cause the following effects: Stomach distress. Nausea. Vomiting. Diarrhea. Aspiration hazard. May cause severe lung damage if aspirated into the lungs from ingestion or vomiting.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Xylene (mix)	1330-20-7	10-30
Acetone	67-64-1	3-7
Methyl ethyl ketone	78-93-3	30-60
Vinyl Chloride/Vinyl Acetate Copolymer	9003-22-9	15-40
ERL-4221	2386-87-0	3-7
K-Flex	120-55-8	5-10

4. FIRST AID MEASURES

Eye contact	Flood with warm water for at least 15 minutes. Immediate medical attention is required.
Skin contact	Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
Ingestion	Do not induce vomiting. Vomiting may cause aspiration pneumonia. Contact physician or poison control center immediately.
Inhalation	Remove to fresh air. If symptoms persist, call a physician.

5. FIRE FIGHTING MEASURES

Flash point °C	15.5
Flash point °F	60
Method	Seta closed cup
Autoignition temperature °C	Autoignition temperature °C
Autoignition temperature °F	
Flammability Limits (% in Air)	
Upper	11.5
Lower	0.3

Suitable extinguishing media

Alcohol foam. Carbon dioxide (CO₂). Dry chemical. Foam. Water fog.

Extinguishing media which must NOT be used for safety reasons

No information available.

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. Do not enter any enclosed or confined fire space without proper protective equipment. Avoid breathing of vapors. Do not use direct water stream. Firefighters should wear NIOSH/MSHA approved (or equivalent) self-contained pressure-demand breathing apparatus and full protective clothing.

Fire and Explosion Hazards

Will produce toxic and noxious fumes under extreme fire conditions.

Sensitivity to shock

No information available.

Sensitivity to static discharge

No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up

Evacuate area of unprotected and unnecessary personnel. Ventilate area to maintain exposure below permissible exposure limits. Eliminate all sources of ignition. Absorb with fire resistant absorbent. Collect and contain for disposal. Dike or dam large spills. Do not allow product to reach sewage system, soil, surface or ground water, or any water course. Notify proper authorities if entry occurs.

7. HANDLING AND STORAGE

Handling

Avoid prolonged inhalation of vapor or mist. Keep away from open flames, hot surfaces and sources of ignition. Ensure adequate ventilation. Keep container closed when not in use. Wash hands with soap and water before eating, drinking, smoking, or using toilet facilities.

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Store upright. Keep away from direct sunlight. Keep away from heat and sources of ignition.

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/m ³	-	200 ppm	300 ppm
Vinyl Chloride/Vinyl Acetate Copolymer	-	-	-	-
Xylene (mix)	100 ppm 435 mg/m ³	-	100 ppm	150 ppm
K-Flex	-	-	-	-
ERL-4221	-	-	-	-
Acetone	1000 ppm 2400 mg/m ³	-	500 ppm	750 ppm

Ventilation and Environmental Controls

Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits.

Hygiene measures

Remove and wash contaminated clothing before re-use. Washing hands, face, neck and arms thoroughly before eating or smoking is recommended. When using, do not eat, drink or smoke.

Personal protective equipment**Respiratory protection**

If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended.

Hand protection

Chemical resistant gloves. Nitrile gloves. Nitrile rubber. Neoprene gloves. Rubber gloves.

Eye protection

Safety glasses with side-shields. Goggles. Face-shield.

Skin and body protection

Lightweight protective clothing.

Other Protective Equipment

A safety shower and eye wash station should be available for emergency use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid	Color	Various
Odor	Petroleum	Odor Threshold	No information available
pH	No data available	Specific Gravity	0.935
Vapor pressure	No data available	Vapor density	>Air
Evaporation Rate	>1 (Ether =1)	Water solubility	Negligible
Partition Coefficient (n-octanol/water)	No data available		
Boiling point/range °C	55-231	Boiling point/range °F	131-449
Melting point/range °C	No data available	Melting point/range °F	No data available
Flash point °C	15.5	Flash point °F	60

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Conditions to avoid

Avoid extreme heat. Avoid open flames.

Materials to avoid

Amines. Strong oxidizers. Strong bases. Strong acids.

Hazardous decomposition products

Carbon monoxide. Calcium dioxide. Hydrogen chloride. Hydrocarbons. Acetic acid.

Polymerization

Hazardous polymerization does not occur.

Synergistic Products

No information available.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
<i>Methyl ethyl ketone</i> 78-93-3	2737 mg/kg	6480 mg/kg	32 g/m ³
<i>Vinyl Chloride/Vinyl Acetate Copolymer</i> 9003-22-9	-	-	-
<i>Xylene (mix)</i> 1330-20-7	4300 mg/kg	1700 mg/kg	5000 ppm
<i>K-Flex</i> 120-55-8	2830 mg/kg	20 mL/kg	-

ERL-4221 2386-87-0	4490 mg/kg	20 mL/kg	-
Acetone 67-64-1	5800 mg/kg	-	44 g/m ³

Potential health effects**Sensitization**

No information available.

Chronic toxicity

No information available.

Mutagenic effects

No information available.

Teratogenic effects

No information available

Reproductive toxicity

No information available

Target Organ Effects

No information available

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
Vinyl Chloride/Vinyl Acetate Copolymer	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Xylene (mix)	A4 - Not Classifiable as a Human Carcinogen	Not Listed	Not Listed	Not Listed	Not Listed
K-Flex	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
ERL-4221	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Acetone	A4 - Not Classifiable as a Human Carcinogen	Not Listed	Not Listed	Not Listed	Not Listed

Specific Hazards

Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

12. ECOLOGICAL INFORMATION**Aquatic toxicity**

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)

Xylene (mix)

Microtox Data*Photobacterium phosphoreum EC50=0.0084 mg/L (24 h)***Water Flea Data***water flea EC50=3.82 mg/L (48 h)*

Acetone

Water Flea Data*water flea LC50=0.0039 mg/L (48 h)**water flea EC50=12700 mg/L (48 h)*

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products

Do not contaminate water by disposal. Should not be released into the environment.

Disposal Information

As supplied, this product is a RCRA Hazardous Waste . Dispose in accordance with federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT

Consumer commodity (Xylenes (isomers and mixture)),ORM-D,,RQ

TDG

PAINT(Methyl ethyl ketone,Xylene (mix)), Class 3,UN1263,PG II

IMDG/IMO

Paint(Methyl ethyl ketone,Xylene (mix)),UN1263,PG II

IATAPaint(Methyl ethyl ketone,Xylene (mix)),UN1263,PG II
Hazard Class 3**MEX**

UN1263 Pintura(Methyl ethyl ketone,Xylene (mix)),3,

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Methyl ethyl ketone	Listed
Xylene (mix)	Listed

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Methyl ethyl ketone	Listed	Listed	Not Listed
Vinyl Chloride/Vinyl Acetate Copolymer	Not Listed	Not Listed	Not Listed
Xylene (mix)	Not Listed	Listed	Not Listed
K-Flex	Not Listed	Not Listed	Not Listed
ERL-4221	Not Listed	Not Listed	Not Listed
Acetone	Not Listed	Listed	Not Listed

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Methyl ethyl ketone	X	X	-	X
Vinyl Chloride/Vinyl Acetate Copolymer	-	X	-	X
Xylene (mix)	X	X	-	X
K-Flex	X	X	-	X
ERL-4221	X	X	-	X
Acetone	X	X	-	X

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	2
Flammability	-	Flammability	3
Reactivity	-	Physical Hazard	0

Reason for revision

No information available.

Prepared By

T. Heidorn, MSDS Project Lead

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.