



Chemical Name: Stencil Ink

Manufacturer: Lawson

Container size: 12oz.

Location: VLA

Disposal: Place empty container in trash.



Material Safety Data Sheet

Revision Date 07-Dec-2010

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code 97452
Product name Lawson Stencil Ink -Black
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

Extremely flammable. Contents under pressure. Irritating to eyes.

Aggravated Medical Conditions
None Known.

Principal Routes of Exposure
Eyes. Inhalation.

Potential health effects

Eyes Contact with eyes may cause irritation.

Skin No adverse affects expected.

Inhalation Narcosis. Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain damage. Repeated or prolonged exposure may cause the following effects. Drowsiness . Dizziness. Kidney damage. Lung damage. Liver damage. Cardiac abnormalities. Damage to blood . Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

Ingestion No adverse affects expected.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Propane	74-98-6	7-13
N-Butane	106-97-8	5-10
Acetone	67-64-1	30-60
PM Acetate	108-65-6	1-5

Acetyl Tributyl Citrate	77-90-7	1-5
Toluene	108-88-3	1-5
Methyl ethyl ketone	78-93-3	1-5
Isopropyl acetate	108-21-4	1-5
Carbon Black	1333-86-4	0.1-1
Ethyl benzene	100-41-4	< 0.1

4. FIRST AID MEASURES

Eye contact Remove to fresh air. Rinse thoroughly with plenty of water, also under the eyelids. Seek medical attention if irritation persists.

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

Ingestion Call a physician or Poison Control Center immediately.

Inhalation Move to fresh air. If symptoms persist, call a physician.

5. FIRE FIGHTING MEASURES

Flash point °C -19
Flash point °F -2
Method Tag Closed Cup

Autoignition temperature °C Product is not self-igniting
Autoignition temperature °F

Flammability Limits (% in Air)
Upper 10.9
Lower 1.7

Suitable extinguishing media
Carbon dioxide (CO₂). Water spray. Alcohol-resistant foam . Sand.

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

Fire and Explosion Hazards
Aerosol containers may vent, rupture or burst when heated to temperatures above 120°F. Vapors may form explosive mixture in air between upper and lower explosive limits which can be ignited by many sources, such as pilot lights, open flames, electrical motors and switches.

Sensitivity to shock
No information available.

Sensitivity to static discharge

No information available.

6. ACCIDENTAL RELEASE MEASURES**Methods for cleaning up**

Personnel should wear appropriate protective equipment. Follow all precautions for handling. Please refer to appropriate sections of MSDS for additional information. Evacuate area of unprotected and unnecessary personnel. Ventilate area to maintain exposure below permissible exposure limits. 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**

Do not spray on a naked flame or any other incandescent material. Do not smoke. Protect against electrostatic charges.

Storage

Keep away from open flames, hot surfaces and sources of ignition. Observe pressurized container storage regulations. Consult with local authorities..

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Acetone	1000 ppm 2400 mg/m ³	-	500 ppm	750 ppm
Propane	1000 ppm 1800 mg/m ³	-	1000 ppm	-
N-Butane	-	-	1000 ppm	-
PM Acetate	-	-	-	-
Acetyl Tributyl Citrate	-	-	-	-
Toluene	200 ppm	300 ppm	20 ppm	-
Methyl ethyl ketone	200 ppm 590 mg/m ³	-	200 ppm	300 ppm
Isopropyl acetate	250 ppm 950 mg/m ³	-	100 ppm	200 ppm
Carbon Black	3.5 mg/m ³	-	3.5 mg/m ³	-
Ethyl benzene	100 ppm 435 mg/m ³	-	100 ppm	125 ppm

Ventilation and Environmental Controls

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

Hygiene measures

Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and immediately after handling the product.

Respiratory protection

None required if adequate ventilation is provided. Use NIOSH approved respirator if TLV limit is exceeded.

Hand Protection

Chemical resistant gloves. Consult glove manufacturer to determine the proper type for a specific operation.

Eye protection

Tightly fitting safety goggles.

Skin and body protection

None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol
Color	Black
Odor	Aromatic
Odor Threshold	No information available
pH	No data available
Specific Gravity	0.77-0.85
Vapor pressure	40 PSI @ 70 F
Density	0.8 g/cm ³ @ 20°C (68°F)
Vapor density	No data available
Evaporation Rate	No data available
Water solubility	No data available
VOC Content	28.8%; 496.9 g/l; 4.15 lb/gl
Solids content	17.8%
MIR value	0.60
Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	-44
Boiling point/range °F	-47
Melting point/range °C	No data available
Melting point/range °F	No data available
Flash point °C	-19
Flash point °F	-2

10. STABILITY AND REACTIVITY**Stability**

Stable under normal conditions.

Conditions to avoid

Do not store in temperatures above 120 degrees F.

Incompatibility

None known.

Hazardous Decomposition Products

None known.

Polymerization

Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
Acetone 67-64-1	5800 mg/kg	-	-
Propane 74-98-6	-	-	658 mg/L
N-Butane 106-97-8	-	-	658 mg/L
PM Acetate 108-65-6	8532 mg/kg	5000 mg/kg	-
Acetyl Tributyl Citrate 77-90-7	-	-	-
Toluene 108-88-3	636 mg/kg	12124 mg/kg 8390 mg/kg	12.5 mg/L 26700 ppm
Methyl ethyl ketone 78-93-3	2737 mg/kg	6480 mg/kg	-
Isopropyl acetate 108-21-4	6750 mg/kg	20000 mg/kg	-
Carbon Black 1333-86-4	15400 mg/kg	3 g/kg	-
Ethyl benzene 100-41-4	3500 mg/kg	15354 mg/kg	17.2 mg/L

Synergistic Products None known**Potential health effects**

Sensitization	None known
Chronic toxicity	None known
Mutagenic effects	None known
Teratogenic effects	None known
Reproductive toxicity	None known
Target Organ Effects	Reports have associated prolonged overexposure to solvents with permanent brain and nervous system damage. Prolonged or repeated occupational overexposure may affect the following: Kidney. Lungs. Liver. Heart. Blood.

Carcinogenic effects See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Acetone	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

Propane	Not Listed				
N-Butane	Not Listed				
PM Acetate	Not Listed				
Acetyl Tributyl Citrate	Not Listed				
Toluene	Listed	Not Listed	Not Listed	Not Listed	Not Listed
Methyl ethyl ketone	Not Listed				
Isopropyl acetate	Not Listed				
Carbon Black	Listed	Group 2B	Not Listed	Not Listed	Listed
Ethyl benzene	Listed	Group 2B	Not Listed	Not Listed	Listed

12. ECOLOGICAL INFORMATION**Acetone****Microtox Data***Photobacterium phosphoreum* EC50=14500 mg/L (15 min)**Water Flea Data***water flea* hEC50 48 (0.0039 mg/L)*water flea* hEC50 48 (12700 mg/L)*Daphnia magna* hEC50 48 (12600 mg/L)*water flea* hEC50 48 (0.0039 mg/L)**PM Acetate****Water Flea Data***Daphnia magna* hEC50 48 (>500 mg/L)**Toluene****Microtox Data***Photobacterium phosphoreum* EC50=19.7 mg/L (30 min)**Water Flea Data***water flea* hEC50 48 (11.3 mg/L)*water flea* hEC50 48 (310 mg/L)*Daphnia magna* hEC50 48 (11.3 mg/L)*water flea* hEC50 48 (11.3 mg/L)**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* hEC50 48 (520 mg/L)*Daphnia magna* hEC50 48 (5091 mg/L)**Isopropyl acetate****Water Flea Data***Daphnia magna* hEC50 24 (1260 mg/L)**Carbon Black****Water Flea Data***Daphnia magna* hEC50 24 (>5600 mg/L)**Ethyl benzene****Microtox Data***Photobacterium phosphoreum* EC50=9.68 mg/L (30 min)*Nitrosomonas* EC50=96 mg/L (24 h)**Water Flea Data***Daphnia magna* hEC50 48 (1.8 - 2.4 mg/L)**Aquatic toxicity**

Use with care when applying in areas adjacent to any body of water. Do not contaminate water when disposing of equipment washwater

13. DISPOSAL CONSIDERATIONS

Product code **97452**

Product name **Lawson
Stencil Ink -Black**

13. DISPOSAL CONSIDERATIONS

Disposal Information

Dispose in accordance with federal, state, and local regulations. Do not puncture or incinerate. Please recycle empty container whenever possible.

14. TRANSPORTATION INFORMATION

DOT

Consumer commodity, ORM-D

TDG

UN1950 AEROSOLS, flammable, 2.1

15. REGULATORY INFORMATION

US EPA SARA 313

Chemical Name	US EPA SARA 313 Emission Reporting
Toluene	Listed
Ethyl benzene	Listed

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Acetone	Not Listed	Not Listed	Not Listed
Propane	Listed	Listed	Not Listed
N-Butane	Not Listed	Listed	Not Listed
PM Acetate	Not Listed	Not Listed	Not Listed
Acetyl Tributyl Citrate	Not Listed	Not Listed	Not Listed
Toluene	Listed	Listed	Developmental
Methyl ethyl ketone	Listed	Listed	Not Listed
Isopropyl acetate	Listed	Listed	Not Listed
Carbon Black	Not Listed	Listed	Carcinogen
Ethyl benzene	Listed	Listed	Carcinogen

WARNING: This product contains a chemical(s) known to the state of California to cause cancer and birth defects or other reproductive harm

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Acetone	X	X	-	X
Propane	X	X	-	X
N-Butane	X	X	-	X
PM Acetate	X	X	-	X
Acetyl Tributyl Citrate	X	X	-	X
Toluene	X	X	-	X
Methyl ethyl ketone	X	X	-	X
Isopropyl acetate	X	X	-	X
Carbon Black	X	X	-	X
Ethyl benzene	X	X	-	X

CPR

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

Health - 1
Flammability - 4
Reactivity - 3

HMIS

Health - 1
Flammability - 4
Physical Hazard - 3

Prepared By

V. Shargorodsky, Regulatory Affairs Engineer

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.