LAWSON
PRODUCTS, INC.

Material Safety Data Sheet

Revision Date *27-Sep-2013*

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code 97397
Product name HSP OSHA Safety Yellow
Recommended Use Coating

Supplier Lawson Products, Inc.
8770 W.Bryn Mawr Ave.- Suite 900
Chicago, IL 60631
1-866-529-7664

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview
Extremely flammable. Contents under pressure. Irritating to eyes. Harmful by inhalation. Keep out of reach of children.

Aggravated Medical Conditions
None Known.

Principal Routes of Exposure
Eyes. Inhalation. Ingestion.

Potential health effects

Eyes Exposure to vapors will cause the following effects. Irritation.

Skin No adverse affects expected.

Inhalation Exposure to vapors may cause the following effects. Narcosis. Dizziness. Drowsiness . Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain damage. Central nervous system damage. Brain damage. 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 May be harmful if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Acetone	67-64-1	10-30
Propane	74-98-6	10-30
N-Butane	106-97-8	7-13
Barium Sulfate	7727-43-7	5-10
Ethylene glycol monopropyl ether	2807-30-9	3-7
Methylisobutyl ketone	108-10-1	3-7
PM Acetate	108-65-6	1-5
Methyl Propyl Ketone	107-87-9	1-5
Titanium dioxide	13463-67-7	1-5
Novaperm Yellow Pigment	82199-12-0	1-5
Xylene (mix)	1330-20-7	1-5
Isobutyl acetate	110-19-0	1-5
Ethyl benzene	100-41-4	0.1-1

4. FIRST AID MEASURES

Eye contact Remove to fresh air. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. 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 Pensky-Martens C.C.

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). Dry powder. 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
Yes. Take precautionary measures against static discharges.

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
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/m³	-	500 ppm	750 ppm
Propane	1000 ppm 1800 mg/m³	-	1000 ppm	-
N-Butane	-	-	-	1000 ppm
Barium Sulfate	15 mg/m³	-	10 mg/m³	-
Ethylene glycol monopropyl ether	-	-	-	-
Methylisobutyl ketone	100 ppm 410 mg/m³	-	20 ppm	75 ppm
PM Acetate	-	-	-	-
Methyl Propyl Ketone	200 ppm 700 mg/m³	-	-	150 ppm
Novaperm Yellow Pigment	-	-	-	-
Xylene (mix)	100 ppm 435 mg/m³	-	100 ppm	150 ppm
Isobutyl acetate	150 ppm 700 mg/m³	-	150 ppm	-
Ethyl benzene	100 ppm 435 mg/m³	-	20 ppm	-
Titanium dioxide	15 mg/m³	-	10 mg/m³	-

Ventilation and Environmental Controls
Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits. Ensure adequate ventilation, especially in confined areas. Exhaust fans should be explosion proof or set up in a way that explosive concentrations of solvent vapors are not exposed to electrical fixtures or hot surfaces.

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. Wear a NIOSH approved respirator when mixing or applying product in a poorly ventilated area. Use NIOSH approved respirator if TLV limit is exceeded.

Hand Protection
Chemical resistant gloves. Impervious 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

Other Protective Equipment
An eye wash station should be available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol
Color	Yellow
Odor	Aromatic
Odor Threshold	No information available
pH	No data available
Specific Gravity	0.77-0.85
Vapor pressure	40 PSI, 2750 hPa
Density	0.84 g/cm³ @ 20° (68°F)
Vapor density	No data available
Evaporation Rate	No data available
Water solubility	No data available
VOC Content	47.2%; 490.9 g/l; 4.10 lb/gl
Solids content	34.3%
MIR value	1.06
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

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Stability
Stable under normal conditions. Unstable at high temperatures. In use, may form flammable/explosive vapour-air mixture .

Conditions to avoid
Do not store in temperatures above 120 degrees F.

Incompatability
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	-	-	50100 mg/m^3
Propane 74-98-6	-	-	658 mg/L
N-Butane 106-97-8	-	-	658 g/m^3
Barium Sulfate 7727-43-7	-	-	-
Ethylene glycol monopropyl ether 2807-30-9	-	-	-
Methylisobutyl ketone 108-10-1	2080 mg/kg	16000 mg/kg	8.2 mg/L
PM Acetate 108-65-6	8532 mg/kg	5 g/kg	-
Methyl Propyl Ketone 107-87-9	-	-	-
Novaperm Yellow Pigment 82199-12-0	-	-	-
Xylene (mix) 1330-20-7	4300 mg/kg	-	47635 mg/L
Isobutyl acetate 110-19-0	13400 mg/kg	17400 mg/kg	-
Ethyl benzene 100-41-4	3500 mg/kg	15354 mg/kg	17.2 mg/L
Titanium dioxide 13463-67-7	10000 mg/kg	-	-

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. Brain.

Carcinogenic effects See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Acetone	A4	Not Listed	Not Listed	Not Listed	Not Listed
Propane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
N-Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Barium Sulfate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Ethylene glycol monopropyl ether	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Methylisobutyl ketone	A3	Group 2B	Not Listed	Not Listed	Listed
PM Acetate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Methyl Propyl Ketone	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Novaperm Yellow Pigment	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Xylene (mix)	A4	Not Listed	Not Listed	Not Listed	Not Listed
Isobutyl acetate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Ethyl benzene	A3	Group 2B	Not Listed	Not Listed	Listed
Titanium dioxide	A4	Group 2B	Not Listed	Not Listed	Listed

12. ECOLOGICAL INFORMATION

Acetone

Microtox Data
Photobacterium phosphoreum EC50=14500 mg/L (15 min)

Water Flea Data
Daphnia magna EC5010294 - 17704 mg/L (48 h)
Daphnia magna EC5012600 - 12700 mg/L (48 h)

Methylisobutyl ketone

Microtox Data
Photobacterium phosphoreum EC50=79.6 mg/L (5 min)

Water Flea Data
Daphnia magna EC50=170 mg/L (48 h)

PM Acetate

12. ECOLOGICAL INFORMATION

Water Flea Data
Daphnia magna EC50>500 mg/L (48 h)

Xylene (mix)

Microtox Data
Photobacterium phosphoreum EC50=0.0084 mg/L (24 h)
Water Flea Data
Gammarus lacustris LC50=0.6 mg/L (48 h)
water flea EC50=3.82 mg/L (48 h)

Isobutyl acetate

Water Flea Data
Daphnia magna EC50=168 mg/L (24 h)

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 EC501.8 - 2.4 mg/L (48 h)

Aquatic toxicity Hazardous for water, do not empty into drains.
Ecotoxicity effects This product does not contain any chlorofluorocarbons (CFC's), hydrochlorofluorocarbons (HCFC's), perfluorocarbons (PCF's), or chlorinated solvents.

13. DISPOSAL CONSIDERATIONS

Disposal Information
Dispose in accordance with federal, state, and local regulations. Do not puncture or incinerate. Do not heat or cut empty containers with electric or gas torches . Please recycle empty container whenever possible.

14. TRANSPORTATION INFORMATION

DOT
UN1950 Aerosols, flammable, 2.1. Consumer commodity, ORM-D.

TDG
UN1950 AEROSOLS, flammable, 2.1 Consumer commodity, ORM-D.

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Barium Sulfate	Listed
Ethylene glycol monopropyl ether	Listed
Methylisobutyl ketone	Listed
Xylene (mix)	Listed
Ethyl benzene	Listed

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Acetone	Not Listed	Listed	Not Listed
Propane	Listed	Listed	Not Listed
N-Butane	Not Listed	Listed	Not Listed
Barium Sulfate	Not Listed	Listed	Not Listed
Ethylene glycol monopropyl ether	Not Listed	Not Listed	Not Listed
Methylisobutyl ketone	Listed	Listed	Carcinogen
PM Acetate	Not Listed	Not Listed	Not Listed
Methyl Propyl Ketone	Not Listed	Listed	Not Listed
Novaperm Yellow Pigment	Not Listed	Not Listed	Not Listed
Xylene (mix)	Not Listed	Listed	Not Listed
Isobutyl acetate	Listed	Listed	Not Listed
Ethyl benzene	Listed	Listed	Carcinogen
Titanium dioxide	Not Listed	Listed	Carcinogen

WARNING: This product contains a chemical(s) known to the state of California to cause cancer

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Acetone	X	X	-	X
Propane	X	X	-	X
N-Butane	X	X	-	X
Barium Sulfate	X	X	-	X
Ethylene glycol monopropyl ether	X	X	-	X
Methylisobutyl ketone	X	X	-	X
PM Acetate	X	X	-	X
Methyl Propyl Ketone	X	X	-	X
Novaperm Yellow Pigment	X	X	-	X
Xylene (mix)	X	X	-	X
Isobutyl acetate	X	X	-	X
Ethyl benzene	X	X	-	X
Titanium dioxide	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.