Lawson

HSP School Bus Yellow

Material Safety Data Sheet

Revision Date *28-Sep-2010*

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code 53367
Product name HSP School Bus Yellow
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. Harmful by inhalation.

Aggravated Medical Conditions
None Known

Principal Routes of Exposure
Inhalation. Eyes. Ingestion.

Potential health effects

Eyes Contact with eyes may cause irritation. Swelling.

Skin Exposure to vapors may cause the following effects. Skin Irritation.

Inhalation Harmful by inhalation. Exposure to vapors may cause the following effects. Irritation of the nose or throat. Central nervous system effects. Dizziness. Drowsiness . Headaches. Fatigue. Nausea.

Ingestion Harmful or fatal if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Propane	74-98-6	10-30
Acetone	67-64-1	10-30
Barium Sulfate	7727-43-7	7-13
N-Butane	106-97-8	7-13
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
Xylene (mix)	1330-20-7	1-5
Isobutyl acetate	110-19-0	1-5
Titanium dioxide	13463-67-7	0.5-1.5

4. FIRST AID MEASURES

Eye contact Keep eye wide open while rinsing. If symptoms persist, call a physician.

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

Ingestion Contact physician or poison control center immediately.

Inhalation Remove to fresh air. Consult a physician.

5. FIRE FIGHTING MEASURES

Flash point °C -19
Flash point °F -2
Method No information available

Autoignition temperature °C No data available
Autoignition temperature °F No data available

Flammability Limits (% in Air)
Upper 10.9
Lower 1.7

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

Fire and Explosion Hazards
Keep product and empty container away from heat and sources of ignition. Contents under pressure. 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. 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
Yes. Take precautionary measures against static discharges.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Remove all sources of ignition. Ensure adequate ventilation.

Methods for cleaning up
Prevent product from entering drains. Personnel should wear appropriate protective equipment. Follow all precautions for handling. Please refer to appropriate sections of MSDS for additional information. Do not allow product to reach sewage system, soil, surface or ground water, or any water course. Notify proper authorities if entry occurs. Do not flush with water or aqueous cleansing agents. Use diluted caustic solution . Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Handling
Control airborne concentration below exposure level. Handle carefully to avoid damaging . Turn off other sources of ignition prior to use and until all vapors have dissipated. Do not spray on a naked flame or any other incandescent material. Do not smoke while using. Protect against electrostatic charges. Thoroughly wash hands and exposed skin after handling. Wash hands with soap and water before eating, drinking, smoking, or using toilet facilities.

Storage
Small pressurized containers of flammable product may be stored in areas suitable for ordinary combustibles with respect to construction, drainage, control of ignition sources, and ventilation except that they should not be stored in basements. Keep away from direct sunlight. Keep away from heat. Do not freeze.

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	-
Barium Sulfate	15 mg/m³ total 5 mg/m³	-	10 mg/m³	-
N-Butane	-	-	1000 ppm	-
Ethylene glycol monopropyl ether	-	-	-	-
Methylisobutyl ketone	100 ppm 410 mg/m³	-	50 ppm	75 ppm
PM Acetate	-	-	-	-
Methyl Propyl Ketone	200 ppm 700 mg/m³	-	-	150 ppm
Xylene (mix)	100 ppm 435 mg/m³	-	100 ppm	150 ppm
Isobutyl acetate	150 ppm 700 mg/m³	-	150 ppm	-
Titanium dioxide	15 mg/m³ total	-	10 mg/m³	-

Ventilation and Environmental Controls
Ensure adequate ventilation, especially in confined areas.

Hygiene measures
Keep away from food, drink and animal feeding stuffs. Wear suitable gloves and eye/face protection. Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of workday.

Other precautions
Avoid contact with eyes.

Respiratory protection
None required if adequate ventilation is provided. If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended. Seek professional advise prior to respirator selection and use.

Hand Protection
Gloves are recommended to prevent prolonged or repeated contact. 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
No information available.

Environmental exposure controls
Do not allow material to contaminate ground water system.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol
Color	Yellow
Odor	Solvent
Odor Threshold	No information available
pH	Not Applicable
Specific Gravity	0.77-0.85
Vapor pressure	40 PSI @ 70 F
Density	0.83507 g/cm3 @ 68°F
Vapor density	No data available
Evaporation Rate	No data available
Water solubility	No data available
VOC Content	501.5 g/l; 4.19 lb/gl
Partition Coefficient (n-octanol/water)	Not Applicable
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.

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	5800 mg/kg	-	-
Propane 74-98-6	-	-	658 mg/L
Barium Sulfate 7727-43-7	-	-	-
N-Butane 106-97-8	-	-	658 mg/L
Ethylene glycol monopropyl ether 2807-30-9	3089 mg/kg	960 µL/kg	-
Methylisobutyl ketone 108-10-1	2080 mg/kg	16000 mg/kg	8.2 mg/L
PM Acetate 108-65-6	8532 mg/kg	5000 mg/kg	-
Methyl Propyl Ketone 107-87-9	1600 mg/kg	6500 mg/kg	-
Xylene (mix) 1330-20-7	4300 mg/kg	1700 mg/kg	47635 mg/L 5000 ppm
Isobutyl acetate 110-19-0	13400 mg/kg	5000 mg/kg	-
Titanium dioxide 13463-67-7	10000 mg/kg	-	-

Synergistic Products None known

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

Potential health effects

Sensitization None known

Chronic toxicity Repeated and prolonged exposure to solvents may cause brain and nervous system damage.

Mutagenic effects None known

Teratogenic effects None known

Reproductive toxicity None known

Target Organ Effects Long term exposure to vapor may cause kidney damage. Long term exposure to vapor may cause liver damage. May cause damage to blood. Heart.

Carcinogenic effects See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Acetone	Listed	Not Listed	Not Listed	Not Listed	Not Listed
Propane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Barium Sulfate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
N-Butane	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	Not Listed	Not Listed	Not Listed	Not Listed	Not 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
Xylene (mix)	Listed	Not Listed	Not Listed	Not Listed	Not Listed
Isobutyl acetate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Titanium dioxide	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)

Methylisobutyl ketone

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

Water Flea Data
water flea hEC50 24 (4280.0 mg/L)
Daphnia magna hEC50 48 (170 mg/L)
water flea hEC50 24 (4280.0 mg/L)

PM Acetate

Water Flea Data
Daphnia magna hEC50 48 (>500 mg/L)

Xylene (mix)

Microtox Data
Photobacterium phosphoreum EC50=0.0084 mg/L (24 h)

12. ECOLOGICAL INFORMATION

Water Flea Data
water flea hEC50 48 (3.82 mg/L)
Gammarus lacustris hLC50 48 (0.6 mg/L)
water flea hEC50 48 (3.82 mg/L)

Isobutyl acetate

Water Flea Data
Daphnia magna hEC50 24 (168 mg/L)

Aquatic toxicity Harmful to aquatic organisms

13. DISPOSAL CONSIDERATIONS

Disposal Information
Dispose in accordance with federal, state, and local regulations. Do not puncture or incinerate. Dispose cans in non-incinerated trash.

Waste from residues / unused products
Dispose of in accordance with local regulations.

Contaminated packaging
Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORTATION INFORMATION

DOT
UN1950 Aerosols, flammable, 2.1
Exception: (Compressed Gas not more than 1.0L) Consumer Commodity ORM-D

TDG
UN1950 AEROSOLS, flammable, 2.1

IMDG/IMO
UN1950 Aerosols, flammable, 2.1

IATA
UN1950 Aerosols, flammable, 2.1

MEX
No information available

15. REGULATORY INFORMATION

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

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

Chemical Name	EINECS	DSL	NDSL	TSCA
Acetone	X	X	-	X
Propane	X	X	-	X
Barium Sulfate	X	X	-	X
N-Butane	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
Xylene (mix)	X	X	-	X
Isobutyl acetate	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 H. Buck, Regulatory Affairs Manager

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.