



# Material Safety Data Sheet

Revision Date 24-Sep-2013

## 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product code** 53367  
**Product name** HSP School Bus 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. 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 %
Acetone	67-64-1	10-30
Propane	74-98-6	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 (CO<sub>2</sub>). 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)
Propane	1000 ppm 1800 mg/m <sup>3</sup>	-	1000 ppm	-
Acetone	1000 ppm 2400 mg/m <sup>3</sup>	-	500 ppm	750 ppm
Barium Sulfate	15 mg/m <sup>3</sup>	-	10 mg/m <sup>3</sup>	-
N-Butane	-	-	-	1000 ppm
Ethylene glycol monopropyl ether	-	-	-	-
Methylisobutyl ketone	100 ppm 410 mg/m <sup>3</sup>	-	20 ppm	75 ppm
PM Acetate	-	-	-	-
Methyl Propyl Ketone	200 ppm 700 mg/m <sup>3</sup>	-	-	150 ppm

Xylene (mix)	100 ppm 435 mg/m <sup>3</sup>	-	100 ppm	150 ppm
Isobutyl acetate	150 ppm 700 mg/m <sup>3</sup>	-	150 ppm	-
Titanium dioxide	15 mg/m <sup>3</sup>	-	10 mg/m <sup>3</sup>	-

**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 advice 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/cm <sup>3</sup> @ 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/gal
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.

**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)
Propane 74-98-6	-	-	658 mg/L
Acetone 67-64-1	-	-	50100 mg/m <sup>3</sup>
Barium Sulfate 7727-43-7	-	-	-
N-Butane 106-97-8	-	-	658 g/m <sup>3</sup>
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	-	-	-
Xylene (mix) 1330-20-7	4300 mg/kg	-	47635 mg/L
Isobutyl acetate 110-19-0	13400 mg/kg	17400 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
Propane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Acetone	A4	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	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
Xylene (mix)	A4	Not Listed	Not Listed	Not Listed	Not Listed
Isobutyl acetate	Not Listed	Not Listed	Not Listed	Not Listed	Not 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****Water Flea Data***Daphnia magna* EC50>500 mg/L (48 h)**Xylene (mix)****Microtox Data***Photobacterium phosphoreum* EC50=0.0084 mg/L (24 h)

**12. ECOLOGICAL INFORMATION****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)

**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

**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

**State Regulations**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Propane	Not Listed	Listed	Not Listed
Acetone	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	Carcinogen
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	Carcinogen

**International Inventories**

Chemical Name	EINECS	DSL	NDSL	TSCA
Propane	X	X	-	X
Acetone	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**

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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.