LAWSON
PRODUCTS, INC.

Material Safety Data Sheet

Revision Date *30-Oct-2007*

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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.

Color Yellow **Odor** Solvent **Form** Aerosol

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

Exposure limits

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	0.5 mg/m³ 0.5 mg/m³ as Ba 15 mg/m³ total dust 5 mg/m³ respirable fraction	-	0.5 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	-	200 ppm	250 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 dust	-	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

Personal protective equipment

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	**Vapor density**	No data available
Evaporation Rate	No data available	**Density**	0.83507 g/cm3 @ 68°F
VOC Content	501.5 g/l; 4.19 lb/gl	**Water solubility**	No data available
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	1800 mg/kg	20000 mg/kg	76 mg/L
Propane 74-98-6	-	658 mg/kg	-
Barium Sulfate 7727-43-7	-	-	-
N-Butane 106-97-8	-	-	658 g/m³

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
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	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

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	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	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

Acetone
Water Flea Data
water flea LC50=0.0039 mg/L (48 h)
water flea EC50=12700 mg/L (48 h)
Methylisobutyl ketone
Microtox Data
Photobacterium phosphoreum EC50=79.6 mg/L (5 min)
Water Flea Data
water flea EC50=4280.0 mg/L (24 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)

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. TRANSPORT INFORMATION

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

TDG
UN1950 AEROSOLS (Propane/n-Butane), Class 2.1 (Consumer Commodity, ORM-D)

IMDG/IMO
UN1950 AEROSOLS (Propane/n-Butane), Class 2.1

IATA
UN1950 Aerosols, flammable (Propane/n-Butane), Class 2.1

14. TRANSPORT INFORMATION

MEX
UN1950 AEROSOLES (Propano/n-Butano), 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

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Acetone	Not Listed	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	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	-	X
N-Butane	X 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	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	1	**Health**	1
Flammability	4	**Flammability**	4
Reactivity	3	**Physical Hazard**	3

Prepared By Michael Katz, Regulatory Affairs Specialist

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.

LAWSON
PRODUCTS, INC.

Material Safety Data Sheet

Revision Date *13-Sep-2006*

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code 98760
Product name High Solids OSHA White

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
Irritant. Extremely flammable.

Color White **Odor** Solvent **Form** Aerosol

Aggravated Medical Conditions Reports have associated prolonged overexposure to solvents with permanent brain and nervous system damage.

Principal Routes of Exposure Inhalation. Skin contact. Eyes.

Potential health effects

Eyes Irritation. Swelling.

Skin Skin Irritation.

Inhalation Exposure to hot fumes may cause nausea and damage to respiratory system. May cause irritation of the nose and throat. Dizziness. Headaches. Fatigue. Central nervous system effects. Repeated or prolonged exposure may cause the following effects. Liver damage. Kidney damage. Changes in heart rate. Damage to blood . Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

Ingestion Irritating to mouth, throat and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Propane	74-98-6	10-30
N-Butane	106-97-8	5-10
Ethylene glycol monopropyl ether	2807-30-9	3-7
Methyl Propyl Ketone	107-87-9	1-5
Xylene (mix)	1330-20-7	1-5
Titanium Dioxide	13463-67-7	7-13
Barium Sulfate	7727-43-7	3-7
Methylisobutyl ketone	108-10-1	3-7
Isobutyl acetate	110-19-0	1-5
Acetone	67-64-1	10-30
Ethylbenzene	100-41-4	0.1-1
Lecithin	8002-43-5	0.1-1
Zirconium Octoate	22464-99-9	0.1-1
Mineral Spirits	64742-47-8	0.1-1
Methyl ethyl ketoxime	96-29-7	0.1-1
Solvent naphtha (petroleum), light aliphatic	64742-89-8	0.1-1
Petroleum naphtha, light aromatic	64742-95-6	0.1-1

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. Provide oxygen or artificial respiration if necessary. Keep warm and quiet. 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

Specific Information for Aerosol Products

Flame extension 15"
Flashback None

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
Extremely flammable liquid and vapor. Vapors of this product may develop a flammable atmosphere in confined areas. Firefighters should wear NIOSH/MSHA approved (or equivalent) self-contained pressure-demand breathing apparatus and full protective clothing.

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. 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. Dispose of absorbent in accordance with local, state and federal regulations.

7. HANDLING AND STORAGE

Handling
Protect against electrostatic charges. Do not smoke. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such contents to heat, flames, and other sources of ignition.

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 heat. Keep away from direct sunlight. Keep away from food, beverages, and feed. Do not freeze.

NFPA Storage Code
Store as Level 3 Aerosol (NFPA 30B)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

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	-
Titanium Dioxide	15 mg/m³ total dust	-	10 mg/m³	-
N-Butane	-	-	1000 ppm	-
Barium Sulfate	0.5 mg/m³ 0.5 mg/m³ as Ba 15 mg/m³ total dust 5 mg/m³ respirable fraction	-	0.5 mg/m³ 10 mg/m³	-
Methylisobutyl ketone	100 ppm 410 mg/m³	-	50 ppm	75 ppm
Isobutyl acetate	150 ppm 700 mg/m³	-	150 ppm	-
Ethylene glycol monopropyl ether	-	-	-	-
Methyl Propyl Ketone	200 ppm 700 mg/m³	-	200 ppm	250 ppm
Xylene (mix)	100 ppm 435 mg/m³	-	100 ppm	150 ppm
Ethylbenzene	100 ppm 435 mg/m³	-	100 ppm	125 ppm
Lecithin	-	-	-	-
Zirconium Octoate	5 mg/m³ 5 mg/m³ as Zr	-	5 mg/m³	10 mg/m³
Mineral Spirits	-	-	-	-
Methyl ethyl ketoxime	-	-	-	-
Solvent naphtha (petroleum), light aliphatic	-	-	-	-
Petroleum naphtha, light aromatic	-	-	-	-

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.

Personal protective equipment

Respiratory protection
None necessary under normal conditions. Use NIOSH approved respirator if TLV limit is exceeded. Protection provided by air purifying respirators is limited. Use a positive pressure supplied air respirator. if there is any potential for an uncontrolled release. where exposure levels are not known. or other circumstances where an air purifying respirator (P100) may not provide adequate protection .

Hand Protection
Protective gloves. For prolonged or repeated skin contact, use a chemically resistant glove such as nitrile or neoprene. Wash hands with soap and water after removing gloves. Dry hands thoroughly before re-applying gloves. .

Eye protection
Tightly fitting safety goggles.

Skin and body protection
None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol	**Color**	White
Odor	Solvent	**Odor Threshold**	5 ppm
pH	Not Applicable	**Specific Gravity**	0.77-0.90
Vapor pressure	40 psi	**Vapor density**	No data available
Evaporation Rate	No data available	**VOC Content**	46.2%; 461.9 gm/liter; 3.86 lb/gal
Water solubility	No data available	**Partition Coefficient (n-octanol/water)**	>1
		Boiling point/range °C	-44
Boiling point/range °F	-47	**Melting point/range °C**	Not Applicable
Melting point/range °F	Not Applicable	**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
No information available

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	1800 mg/kg	20000 mg/kg	76 mg/L
Propane 74-98-6	-	658 mg/kg	-
Titanium Dioxide 13463-67-7	10000 mg/kg	-	-

N-Butane 106-97-8	-	-	658 g/m³
Barium Sulfate 7727-43-7	-	-	-
Methylisobutyl ketone 108-10-1	2080 mg/kg	16000 mg/kg	8.2 mg/L
Isobutyl acetate 110-19-0	13400 mg/kg	5000 mg/kg	-
Ethylene glycol monopropyl ether 2807-30-9	3089 mg/kg	960 µL/kg	-
Methyl Propyl Ketone 107-87-9	1600 mg/kg	6500 mg/kg	-
Xylene (mix) 1330-20-7	4300 mg/kg	1700 mg/kg	5000 ppm
Ethylbenzene 100-41-4	3500 mg/kg	15354 mg/kg	17.2 mg/L
Lecithin 8002-43-5	-	-	-
Zirconium Octoate 22464-99-9	-	-	-
Mineral Spirits 64742-47-8	5000 mg/kg	2000 mg/kg	5.2 mg/L
Methyl ethyl ketoxime 96-29-7	930 mg/kg	0.2 mg/kg	20 mg/L
Solvent naphtha (petroleum), light aliphatic 64742-89-8	5000 mg/kg	3000 mg/kg	-
Petroleum naphtha, light aromatic 64742-95-6	8400 mg/kg	2000 mg/kg	3400 ppm 5.2 mg/L

Synergistic Products
None known

Potential health effects

Sensitization
None known

Mutagenic effects
None known

Reproductive toxicity
None known

Carcinogenic effects
See table below

Chronic toxicity
See Section 2 .

Teratogenic effects
None known

Target Organ Effects
None Known

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
Titanium Dioxide	Listed	Not Listed	Not Listed	Not Listed	Not Listed
N-Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Barium Sulfate	Listed	Not Listed	Not Listed	Not Listed	Not Listed
Methylisobutyl ketone	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Isobutyl acetate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Ethylene glycol monopropyl ether	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
Ethylbenzene	Listed	Group 2B	Not Listed	Not Listed	Listed
Lecithin	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Zirconium Octoate	Listed	Not Listed	Not Listed	Not Listed	Not Listed
Mineral Spirits	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Methyl ethyl ketoxime	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Solvent naphtha (petroleum), light aliphatic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Petroleum naphtha, light aromatic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Acetone

Water Flea Data

water flea LC50=0.0039 mg/L (48 h)

water flea EC50=12700 mg/L (48 h)

Methylisobutyl ketone

Microtox Data

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

Water Flea Data

water flea EC50=4280.0 mg/L (24 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)

Ethylbenzene

Microtox Data

Photobacterium phosphoreum EC50=9.68 mg/L (30 min)

Water Flea Data

water flea EC50=2.1 mg/L (48 h)

Methyl ethyl ketoxime

Microtox Data

Photobacterium phosphoreum EC50=950 mg/L (5 min)

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products

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

14. TRANSPORT INFORMATION

DOT

UN1950 Aerosols, flammable (Propane/n-Butane/Acetone), Class 2.1

Exception: (Compressed Gas not more than 1.0L) Consumer Commodity ORM-D

TDG

1950 AEROSOLS(Propane/n-Butane/Acetone), Class 2.1

IMDG/IMO

UN1950 AEROSOLS (Propane/n-Butane/Acetone), Class 2.1

IATA

UN1950 Aerosols, flammable (Propane/n-Butane/Acetone), Class 2.1

MEX

UN1950 AEROSOLES (Propane/n-Butane/Acetone),2.1

15. REGULATORY INFORMATION

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

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Acetone	Listed	Listed	Not Listed
Propane	Listed	Listed	Not Listed
Titanium Dioxide	Not Listed	Listed	Not Listed
N-Butane	Not Listed	Listed	Not Listed
Barium Sulfate	Not Listed	Listed Listed	Not Listed
Methylisobutyl ketone	Listed	Listed	Not Listed
Isobutyl acetate	Listed	Listed	Not Listed
Ethylene glycol monopropyl ether	Not Listed	Listed	Not Listed
Methyl Propyl Ketone	Not Listed	Listed	Not Listed
Xylene (mix)	Not Listed	Listed	Not Listed
Ethylbenzene	Not Listed	Listed	Carcinogen
Lecithin	Not Listed	Not Listed	Not Listed
Zirconium Octoate	Not Listed	Listed	Not Listed
Mineral Spirits	Not Listed	Not Listed	Not Listed
Methyl ethyl ketoxime	Not Listed	Not Listed	Not Listed
Solvent naphtha (petroleum), light aliphatic	Not Listed	Not Listed	Not Listed
Petroleum naphtha, light aromatic	Not Listed	Not Listed	Not Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
Acetone	X	X	-	X
Propane	X	X	-	X
Titanium Dioxide	X X X	X	-	X
N-Butane	X X	X	-	X
Barium Sulfate	X X	X	-	X
Methylisobutyl ketone	X	X	-	X
Isobutyl acetate	X	X	-	X
Ethylene glycol monopropyl ether	X	X	-	X
Methyl Propyl Ketone	X	X	-	X
Xylene (mix)	X	X	-	X
Ethylbenzene	X	X	-	X
Lecithin	X	X	-	X
Zirconium Octoate	X X	X	-	X
Mineral Spirits	X	X	-	X
Methyl ethyl ketoxime	X	X	-	X
Solvent naphtha (petroleum), light aliphatic	X	X	-	X
Petroleum naphtha, light aromatic	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

Product code **98760** Product name **High Solids OSHA White**

16. OTHER INFORMATION

NFPA		HMIS	
Health	1	**Health**	1
Flammability	4	**Flammability**	4
Reactivity	3	**Physical Hazard**	3

Prepared By Michael Katz, Regulatory Affairs Specialist

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.

LAWSON
PRODUCTS, INC.

Material Safety Data Sheet

Revision Date *13-Sep-2006*

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code 98761
Product name High Solids Osha 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
Irritant. Extremely flammable.

Color Black **Odor** Solvent **Form** Aerosol

Aggravated Medical Conditions Reports have associated prolonged overexposure to solvents with permanent brain and nervous system damage.

Principal Routes of Exposure Inhalation. Skin contact. Eyes.

Potential health effects

Eyes Irritation. Swelling.

Skin Skin Irritation.

Inhalation Exposure to hot fumes may cause nausea and damage to respiratory system. May cause irritation of the nose and throat. Dizziness. Fatigue. Headaches. Central nervous system effects. Repeated or prolonged exposure may cause the following effects. Kidney damage. Liver damage. Damage to blood . Changes in heart rate. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

Ingestion Irritating to mouth, throat and stomach.

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	5-10
Barium Sulfate	7727-43-7	5-10
Ethylene glycol monopropyl ether	2807-30-9	3-7
Methylisobutyl ketone	108-10-1	3-7
Methyl Propyl Ketone	107-87-9	1-5
Xylene (mix)	1330-20-7	1-5
PM Acetate	108-65-6	1-5
Isobutyl acetate	110-19-0	1-5
Carbon Black	1333-86-4	0.1-1
Mineral Spirits	64742-47-8	0.1-1
Ethyl benzene	100-41-4	0.1-1
Zirconium Octoate	22464-99-9	0.1-1
Lecithin	8002-43-5	0.1-1

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. Provide oxygen or artificial respiration if necessary. Keep warm and quiet. 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

Specific Information for Aerosol Products

Flame extension 15"
Flashback None

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
Extremely flammable liquid and vapor. Vapors of this product may develop a flammable atmosphere in confined areas. Firefighters should wear NIOSH/MSHA approved (or equivalent) self-contained pressure-demand breathing apparatus and full protective clothing.

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. 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. Dispose of absorbent in accordance with local, state and federal regulations.

7. HANDLING AND STORAGE

Handling
Protect against electrostatic charges. Do not smoke. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such contents to heat, flames, and other sources of ignition.

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 heat. Keep away from direct sunlight. Keep away from food, beverages, and feed. Do not freeze.

NFPA Storage Code
Store as Level 3 Aerosol (NFPA 30B)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

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	0.5 mg/m³ 0.5 mg/m³ as Ba 15 mg/m³ total dust 5 mg/m³ respirable fraction	-	0.5 mg/m³ 10 mg/m³	-
Ethylene glycol monopropyl ether	-	-	-	-
Methylisobutyl ketone	100 ppm 410 mg/m³	-	50 ppm	75 ppm
Methyl Propyl Ketone	200 ppm 700 mg/m³	-	200 ppm	250 ppm
Xylene (mix)	100 ppm 435 mg/m³	-	100 ppm	150 ppm
PM Acetate	-	-	-	-
Isobutyl acetate	150 ppm 700 mg/m³	-	150 ppm	-
Carbon Black	3.5 mg/m³	-	3.5 mg/m³	-
Mineral Spirits	-	-	-	-
Ethyl benzene	100 ppm 435 mg/m³	-	100 ppm	125 ppm
Zirconium Octoate	5 mg/m³ 5 mg/m³ as Zr	-	5 mg/m³	10 mg/m³
Lecithin	-	-	-	-

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.

Personal protective equipment

Respiratory protection
None necessary under normal conditions. Use NIOSH approved respirator if TLV limit is exceeded. Protection provided by air purifying respirators is limited. Use a positive pressure supplied air respirator. if there is any potential for an uncontrolled release. where exposure levels are not known. or other circumstances where an air purifying respirator (P100) may not provide adequate protection .

Hand Protection
Protective gloves. For prolonged or repeated skin contact, use a chemically resistant glove such as nitrile or neoprene. Wash hands with soap and water after removing gloves. Dry hands thoroughly before re-applying gloves. .

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	Solvent	**Odor Threshold**	No information available
pH	Not Applicable	**Specific Gravity**	0.77-0.90
Vapor pressure	40 psi	**Vapor density**	No data available
Evaporation Rate	No data available	**VOC Content**	46.2%; 462.2 gm/liter; 3.86 lb/gal
Water solubility	No data available	**Partition Coefficient (n-octanol/water)**	No data available
		Boiling point/range °C	-44
Boiling point/range °F	-47	**Melting point/range °C**	Not Applicable
Melting point/range °F	Not Applicable	**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
No information available

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	1800 mg/kg	20000 mg/kg	76 mg/L
Propane 74-98-6	-	658 mg/kg	-
N-Butane 106-97-8	-	-	658 g/m^3
Barium Sulfate 7727-43-7	-	-	-
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
Methyl Propyl Ketone 107-87-9	1600 mg/kg	6500 mg/kg	-
Xylene (mix) 1330-20-7	4300 mg/kg	1700 mg/kg	5000 ppm
PM Acetate 108-65-6	8532 mg/kg	5000 mg/kg	-
Isobutyl acetate 110-19-0	13400 mg/kg	5000 mg/kg	-
Carbon Black 1333-86-4	15400 mg/kg	3 g/kg	-
Mineral Spirits 64742-47-8	5000 mg/kg	2000 mg/kg	5.2 mg/L
Ethyl benzene 100-41-4	3500 mg/kg	15354 mg/kg	17.2 mg/L
Zirconium Octoate 22464-99-9	-	-	-
Lecithin 8002-43-5	-	-	-

Synergistic Products
None known

Potential health effects

Sensitization
None known

Mutagenic effects
None known

Reproductive toxicity
None known

Carcinogenic effects
See table below

Chronic toxicity
See Section 2 .

Teratogenic effects
None known

Target Organ Effects
None Known

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
N-Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Barium Sulfate	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
Methyl Propyl Ketone	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Xylene (mix)	Listed	Not Listed	Not Listed	Not Listed	Not Listed
PM Acetate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Isobutyl acetate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Carbon Black	Listed	Group 2B	Not Listed	Not Listed	Listed
Mineral Spirits	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Ethyl benzene	Listed	Group 2B	Not Listed	Not Listed	Listed
Zirconium Octoate	Listed	Not Listed	Not Listed	Not Listed	Not Listed
Lecithin	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Acetone

Water Flea Data

water flea LC50=0.0039 mg/L (48 h)

water flea EC50=12700 mg/L (48 h)

Methylisobutyl ketone

Microtox Data

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

Water Flea Data

water flea EC50=4280.0 mg/L (24 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)

Ethyl benzene

Microtox Data

Photobacterium phosphoreum EC50=9.68 mg/L (30 min)

Water Flea Data

water flea EC50=2.1 mg/L (48 h)

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products

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

14. TRANSPORT INFORMATION

DOT

UN1950 Aerosols, flammable (Propane/n-Butane/Acetone), Class 2.1

Exception: (Compressed Gas not more than 1.0L) Consumer Commodity ORM-D

TDG

UN1950 AEROSOLS(Propane/n-Butane/Acetone), Class 2.1

IMDG/IMO

UN1950 AEROSOLS (Propane/n-Butane/Acetone), Class 2.1

IATA

UN1950 Aerosols, flammable (Propane/n-Butane/Acetone), Class 2.1

MEX

UN1950 AEROSOLES (Propane/n-Butane/Acetone),2.1

15. REGULATORY INFORMATION

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

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Acetone	Listed	Listed	Not Listed
Propane	Listed	Listed	Not Listed
N-Butane	Not Listed	Listed	Not Listed
Barium Sulfate	Not Listed	Listed Listed	Not Listed
Ethylene glycol monopropyl ether	Not Listed	Listed	Not Listed
Methylisobutyl ketone	Listed	Listed	Not Listed
Methyl Propyl Ketone	Not Listed	Listed	Not Listed
Xylene (mix)	Not Listed	Listed	Not Listed
PM Acetate	Not Listed	Not Listed	Not Listed
Isobutyl acetate	Listed	Listed	Not Listed
Carbon Black	Not Listed	Listed	Carcinogen
Mineral Spirits	Not Listed	Not Listed	Not Listed
Ethyl benzene	Listed	Listed	Carcinogen
Zirconium Octoate	Not Listed	Listed	Not Listed
Lecithin	Not Listed	Not Listed	Not Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
Acetone	X	X	-	X
Propane	X	X	-	X
N-Butane	X X	X	-	X
Barium Sulfate	X X	X	-	X
Ethylene glycol monopropyl ether	X	X	-	X
Methylisobutyl ketone	X	X	-	X
Methyl Propyl Ketone	X	X	-	X
Xylene (mix)	X	X	-	X
PM Acetate	X	X	-	X
Isobutyl acetate	X	X	-	X
Carbon Black	X	X	-	X
Mineral Spirits	X	X	-	X
Ethyl benzene	X	X	-	X
Zirconium Octoate	X X	X	-	X
Lecithin	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	1	**Health**	1
Flammability	4	**Flammability**	4
Reactivity	3	**Physical Hazard**	3

Prepared By Michael Katz, Regulatory Affairs Specialist

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.