Item No: 53389
Product Name: High Solids Harvester Red Spray Paint

53389

MATERIAL SAFETY DATA SHEET
ESSENTIALLY SIMILAR TO OSHA FORM 174

---- RATINGS -----	HMIS	NFPA	-- HAZARD INDEX --		---- PERSONAL PROTECTION -----
HEALTH	1	1	SEVERE HAZARD	4	A GLASSES
FLAMMABILITY	4	3	SERIOUS HAZARD	3	B GLASSES & GLOVES
REACTIVITY	3	3	MODERATE HAZARD	2	C GLASSES,GLOVES & APRON
PERSONAL PROTECTION	B		SLIGHT HAZARD	1	D FACE SHIELD,GLOVES & APRON
			MINIMAL HAZARD	0	E GLASSES, GLOVES & RESP.

MANUFACTURED FOR:
Lawson Products, Inc.
1666 East Touhy Avenue
Des Plaines, Illinois 60018

EMERGENCY TELEPHONE NUMBER:
Rocky Mountain Poison and Drug Center
(303) 623-5716

REVISION DATE:
01/17/01

INFORMATION TELEPHONE NUMBER:
(847) 827-9666

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NUMBER 53389
PRODUCT NAME High Solids Harvester Red Spray Paint
PRODUCT CLASS Aerosol-Paint

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS NUMBER	%	ACGIH TLV TWA PPM	OSHA PEL PPM	OSHA PEL MG/M^3	OSHA TLV STEL MG/M^3
@ Xylene	1330-20-7	4.0	100	100	435.0	150.0
@ Methyl Isobutyl Ketone	108-10-1	5.0	N/A	N/A	N/A	N/A
Acetone	67-64-1	19.0	750	750	1780.0	2400.0
@ EthyleneGlycol Monopropyl Ether	2807-30-9	5.0	25	25	N/A	N/A
Aromatic 100	64742-95-6	5.0	100	100	N/A	N/A
Barium Sulfate	7727-43-7	9.0	N/A	N/A	N/A	N/A
Propellant: Propane	74-98-6	16.0		1000	1800.0	N/A
Butane	106-97-8	9.0	800	800	N/A	N/A
Methyl Propyl Ketone	107-87-9	5.0	N/E	N/E	N/E	N/E
@ Ethyl Benzene	100-41-4		100	100	N/A	N/A

Pressurized Container 45-60 PSI

@ Subject to reporting under SARA Title III. See Section IX Special Precautions

SECTION III - PHYSICAL DATA

BOILING POINT (degrees F): -47.0
VAPOR DENSITY: N/A
EVAPORATION RATE: N/A
PERCENT VOLATILE (By Volume): N/A WEIGHT PER GALLON (LBS): N/A
ODOR AND APPEARANCE: Solvent odor, red color.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:
OSHA CLASS N/A
DOT CLASS N/A
U.N. CLASSIFICATION:
PER DOT N/A
PER IMCO N/A
IMCO CLASSIFICATION NUMBER:
N/A
IATA CLASSIFICATION:
N/A
FLASH POINT (Degrees F): -2
(lowest flash point of any ingredient, not of product as whole)
METHOD: Tag Open Cup
LEL: 1.7%
UEL: 13.0%
NFPA FIRE PROTECTION LEVEL:III
VOLATILE ORGANIC COMPOUNDS: N/A
AEROSOL PRODUCT: Treat as cylinder of compressed gas.
EXTINGUISHING MEDIA:
CO2 DRY CHEMICAL SAND
UNUSUAL FIRE AND EXPLOSION HAZARDS:
Heating may cause pressure build-up and possible rupture of the container.
SPECIAL FIREFIGHTING PROCEDURES:
Self contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:
Eyes: Irritation, Redness, Tearing, blurred vision. Skin: Moderate irritation, dermatitis. Breathing: Nasal and respiratory irritation, dizziness, headache, nausea, possible unconsciousness, and even asphyxiation. Swallowing: Gastro-intestinal irritation, nausea, vomiting, diarrhea.
PRIMARY ROUTE(S) OF ENTRY:
SKIN CONTACT EYE CONTACT INHALATION INGESTION
MEDICAL CONDITIONS PRONE TO OVEREXPOSURE:
Heart Disease, Respiratory Disorders
TARGET ORGANS AFFECTED:
Vapors: Irritating to eyes and respiratory tract.
Direct Contact: Irritating to skin and eyes.
CARCINOGENICITY:
None of the components in this chemical are listed by IARC, NTP or OSHA as a carcinogen.
EMERGENCY AND FIRST AID PROCEDURES:
Give oxygen- Do not induce vomiting- Gastric lavage- Wash eyes and skin with water.

SECTION VI - REACTIVITY DATA

STABILITY: STABLE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS:
None listed.
CONDITIONS TO AVOID:
Avoid contact with any source of ignition.
INCOMPATIBILITY (MATERIALS TO AVOID):
None Known.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Remove all sources of ignition, ventilate. Avoid breathing vapors and remove with inert absorbent.
WASTE DISPOSAL METHOD:
Prevent waste from contaminating surrounding environment. Discard any product, residue, disposable container, or liner in an environmentally acceptable manner, in full compliance with Federal, State and Local regulations.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION:
If airborne concentrations exceed recommended exposure limits, a suitable NIOSH respirator should be worn.
VENTILATION:
If current ventilation practices are not adequate in maintaining airborne concentrations below the established exposure limits, additional ventilation or exhaust systems may be required.
PROTECTIVE GLOVES:
Required for prolonged or repeated contact.
EYE PROTECTION:
Safety glasses with side shields.
OTHER PROTECTIVE EQUIPMENT:
Eye wash station and safety showers should be available.
HYGENIC PRACTICES:
Wash Hands before eating or using the washroom.
Smoke in SMOKING AREAS O N L Y .

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
Read and follow contents on product label. Do not store in temperatures above 120 F.
OTHER PRECAUTIONS:
All ingredients marked with an (@) symbol are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40CFRPart372.

Date of Preparation 04/12/94

RESPONSIBLE PARTY:
Engineering Department
Lawson Products, Inc.

1666 East Touhy Avenue
Des Plaines, Illinois 60018
(847) 827-9666

"Final determination of suitability of the chemical(s) is the sole responsibility of the user. Users of any chemical should satisfy themselves that the conditions and methods of use assure that the chemical is used safely. NO REPRESENTATIONS OR WARRANTEES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN OR THE CHEMICAL TO WHICH THE INFORMATION REFERS."

PPM	Parts Per Million	CAS	Chemical Abstract Service
CNS	Central Nervous System	DOT	Department of Transportation
TLV	Threshold Limit Value	UEL	Upper Explosive Level
LEL	Lower Explosive Level	MG/M^3	Milligrams per Cubic Meter
N/A	Not Currently Available	NFPA	National Fire Protection Agency
NTP	National Toxicolgy Program	PEL	Permissible Exposure Levels
STEL	Short Term Exposure Limit	TWA	Time Weighted Average

HMIS	Hazardous Materials Identification System
IATA	International Air Transport Association
OSHA	Occupational Safety & Health Administration
IARC	International Agency for Research on Cancer
IMCO	International Maritime Commission Oraganization
ACGIH	Am. Conference of Governmental Indust. Hygieniests□

LAWSON
PRODUCTS, INC.

Material Safety Data Sheet

Revision Date *13-Sep-2006*

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code 97398
Product name Industrial Protective Coating High Solids Osha Orange

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 Orange **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. Central nervous system effects. Dizziness. Headaches. Fatigue. 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 %
Methyl Propyl Ketone	107-87-9	1-5
Propane	74-98-6	15-40
N-Butane	106-97-8	7-13
Acetone	67-64-1	10-30
Barium Sulfate	7727-43-7	5-10
Ethylene glycol monopropyl ether	2807-30-9	3-7
Methylisobutyl ketone	108-10-1	1-5
PM Acetate	108-65-6	1-5
Xylene (mix)	1330-20-7	1-5
Isobutyl acetate	110-19-0	1-5

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 food, beverages, and feed. Keep away from direct sunlight. 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
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	-

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
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**	Orange
Odor	Solvent	**Odor Threshold**	5 ppm
pH	Not Applicable	**Specific Gravity**	0.77-0.90
Vapor pressure	No data available	**Vapor density**	No data available
Evaporation Rate	No data available	**VOC Content**	47.0%; 469.5 gm/l; 3.92 lbs/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	-
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

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	-

Synergistic Products
None known

Potential health effects

Sensitization
None known

Chronic toxicity
See Section 2 .

Mutagenic effects
None known

Teratogenic effects
None known

Reproductive toxicity
None known

Target Organ Effects
None Known

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
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
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

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)

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

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
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

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
PM Acetate	X	X	-	X
Methyl Propyl Ketone	X	X	-	X
Xylene (mix)	X	X	-	X
Isobutyl acetate	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 *22-Feb-2005*

1.CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code 53390
Product name High Solids John Deere Green Spray Paint

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 Green **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 Eyes. Inhalation.

Potential health effects

Eyes Irritation. Swelling.

Skin Skin Irritation.

Inhalation May cause irritation of the nose and throat. Central nervous system effects. Dizziness. Headaches. Fatigue. Exposure to hot fumes may cause nausea and damage to respiratory system. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

Ingestion No information available

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
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
Titanium dioxide	13463-67-7	0.5-1.5

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 No information available

Autoignition temperature °C No data available
Autoignition temperature °F

Flammability Limits (% in Air)
Upper 13.0
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.

Extinguishing media which must NOT be used for safety reasons
No information available.

Special Fire-Fighting Procedures
None known.

Fire and Explosion Hazards
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
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. 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.

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. 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 listed under aliphatic hydrocarbon gases alkane C1-C4	-
N-Butane	-	-	1000 ppm listed under aliphatic hydrocarbon gases alkane C1-C4	-
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 0.5 mg/m³ as Ba 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	-
Titanium dioxide	15 mg/m³ total dust	-	10 mg/m³	-

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.

Hand protection
Protective gloves. Impervious gloves.

Eye protection
Tightly fitting safety goggles.

Skin and body protection
No information available

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol	**Color**	Green
Odor	Solvent	**Odor Threshold**	5 ppm
pH	No data available	**Specific Gravity**	0.77-0.90
Vapor pressure	No data available	**Vapor density**	No data available
Evaporation Rate	No data available	**VOC Content**	46.7 %
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**	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.

Materials to avoid
No information available

Hazardous decomposition products
None known.

Polymerization
No information available

Synergistic Products
No information available.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
Acetone 67-64-1	5800 mg/kg	-	44 g/m³ 50100 mg/m³
Propane 74-98-6	-	-	-
N-Butane 106-97-8	-	-	658 g/m³ 680 g/m³
Barium Sulfate 7727-43-7	-	-	-
Ethylene glycol monopropyl ether 2807-30-9	3089 mg/kg	960 µL/kg	1530 ppm
Methylisobutyl ketone 108-10-1	2080 mg/kg	20 mL/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
PM Acetate 108-65-6	8532 mg/kg	5 g/kg	-
Isobutyl acetate 110-19-0	13400 mg/kg	17400 mg/kg	-
Titanium dioxide 13463-67-7	-	-	-

Potential health effects

Sensitization
No information available.

Mutagenic effects
No information available.

Reproductive toxicity
No information available

Carcinogenic effects
See table below

Chronic toxicity
No information available.

Teratogenic effects
No information available

Target Organ Effects
No information available

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Acetone	A4 - Not Classifiable as a Human Carcinogen	-	-	-	-
Propane	-	-	-	-	-
N-Butane	-	-	-	-	-
Barium Sulfate	A4 - Not Classifiable as a Human Carcinogen A4 - Not Classifiable as a Human Carcinogen (as Ba)	-	-	-	-
Ethylene glycol monopropyl ether	-	-	-	-	-
Methylisobutyl ketone	-	-	-	-	-
Methyl Propyl Ketone	-	-	-	-	-
Xylene (mix)	A4 - Not Classifiable as a Human Carcinogen	-	-	-	-
PM Acetate	-	-	-	-	-
Isobutyl acetate	-	-	-	-	-
Titanium dioxide	A4 - Not Classifiable as a Human Carcinogen	-	-	-	-

12. ECOLOGICAL INFORMATION

Aquatic toxicity

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)

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

Consumer commodity (Propane,N-Butane),ORM-D,

TDG

AEROSOLS(Propane,N-Butane), Class 2.1,UN1950,PG

IMDG/IMO

Aerosols(Propane,N-Butane),UN1950,PG

IATA

Aerosols, flammable(Propane,N-Butane),UN1950
Hazard Class 2.1

MEX

UN1950 Aerosols(Propane,N-Butane),2.2,

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

State Regulations

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
Titanium dioxide	Not Listed	Listed	Not Listed

International Inventories

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
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

Reason for revision No information available.

Prepared By T. Heidorn, MSDS Project Lead

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 *23-Feb-2005*

1.CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code 53392
Product name High Solids Fleet White Spray Paint

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 Eyes. Inhalation.

Potential health effects

Eyes Irritation. Swelling.

Skin Skin Irritation.

Inhalation May cause irritation of the nose and throat. Central nervous system effects. Dizziness. Headaches. Fatigue. Exposure to hot fumes may cause nausea and damage to respiratory system. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

Ingestion No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Acetone	67-64-1	15-40
Propane	74-98-6	10-30
N-Butane	106-97-8	7-13
Barium Sulfate	7727-43-7	5-10
Titanium Dioxide	13463-67-7	5-10
Ethylene glycol monopropyl ether	2807-30-9	3-7
Methylisobutyl ketone	108-10-1	3-7
Isobutyl acetate	110-19-0	1-5
Methyl Propyl Ketone	107-87-9	1-5
Xylene (mix)	1330-20-7	1-5

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 No information available

Autoignition temperature °C No data available
Autoignition temperature °F

Flammability Limits (% in Air)
Upper 13.0
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.

Extinguishing media which must NOT be used for safety reasons
No information available.

Special Fire-Fighting Procedures
None known.

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

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. 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 listed under aliphatic hydrocarbon gases alkane C1-C4	-
N-Butane	-	-	1000 ppm listed under aliphatic hydrocarbon gases alkane C1-C4	-
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 0.5 mg/m³ as Ba 10 mg/m³	-
Titanium Dioxide	15 mg/m³ total dust	-	10 mg/m³	-
Ethylene glycol monopropyl ether	-	-	-	-
Methylisobutyl ketone	100 ppm 410 mg/m³	-	50 ppm	75 ppm
Isobutyl acetate	150 ppm 700 mg/m³	-	150 ppm	-
Methyl Propyl Ketone	200 ppm 700 mg/m³	-	200 ppm	250 ppm
Xylene (mix)	100 ppm 435 mg/m³	-	100 ppm	150 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.

Personal protective equipment

Respiratory protection
None necessary under normal conditions. Use NIOSH approved respirator if TLV limit is exceeded.

Hand protection
Protective gloves. Impervious gloves.

Eye protection
Tightly fitting safety goggles.

Skin and body protection
No information available

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol	**Color**	White
Odor	Solvent	**Odor Threshold**	5 ppm
pH	No data available	**Specific Gravity**	0.77-0.90
Vapor pressure	No data available	**Vapor density**	No data available
Evaporation Rate	No data available	**VOC Content**	45.9 %
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**	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.

Materials to avoid
No information available

Hazardous decomposition products
None known.

Polymerization
No information available

Synergistic Products
No information available.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
Acetone 67-64-1	5800 mg/kg	-	44 g/m³ 50100 mg/m³
Propane 74-98-6	-	-	-
N-Butane 106-97-8	-	-	658 g/m³ 680 g/m³
Barium Sulfate 7727-43-7	-	-	-
Titanium Dioxide 13463-67-7	-	-	-
Ethylene glycol monopropyl ether 2807-30-9	3089 mg/kg	960 µL/kg	1530 ppm
Methylisobutyl ketone 108-10-1	2080 mg/kg	20 mL/kg	-
Isobutyl acetate 110-19-0	13400 mg/kg	17400 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

Potential health effects

Sensitization
No information available.

Chronic toxicity
No information available.

Mutagenic effects
No information available.

Teratogenic effects
No information available

Reproductive toxicity
No information available

Target Organ Effects
No information available

Carcinogenic effects
See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
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Propane	-	-	-	-	-
N-Butane	-	-	-	-	-
Barium Sulfate	A4 - Not Classifiable as a Human Carcinogen A4 - Not Classifiable as a Human Carcinogen (as Ba)	-	-	-	-
Titanium Dioxide	A4 - Not Classifiable as a Human Carcinogen	-	-	-	-
Ethylene glycol monopropyl ether	-	-	-	-	-
Methylisobutyl ketone	-	-	-	-	-
Isobutyl acetate	-	-	-	-	-
Methyl Propyl Ketone	-	-	-	-	-
Xylene (mix)	A4 - Not Classifiable as a Human Carcinogen	-	-	-	-

12. ECOLOGICAL INFORMATION

Aquatic toxicity

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

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water flea EC50=3.82 mg/L (48 h)

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14. TRANSPORT INFORMATION

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Hazard Class 2.1

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UN1950 Aerosols(Propane,N-Butane),2.2,

15. REGULATORY INFORMATION

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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
Titanium Dioxide	Not Listed	Listed	Not Listed
Ethylene glycol monopropyl ether	Not Listed	Listed	Not Listed
Methylisobutyl ketone	Listed	Listed	Not Listed
Isobutyl acetate	Listed	Listed	Not Listed
Methyl Propyl Ketone	Not Listed	Listed	Not Listed
Xylene (mix)	Not Listed	Listed	Not Listed

International Inventories

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
Titanium Dioxide	X X X	X	-	X
Ethylene glycol monopropyl ether	X	X	-	X
Methylisobutyl ketone	X	X	-	X
Isobutyl acetate	X	X	-	X
Methyl Propyl Ketone	X	X	-	X
Xylene (mix)	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

Reason for revision No information available.

Prepared By T. Heidorn, MSDS Project Lead

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.