



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/m ³	-	500 ppm	750 ppm
Propane	1000 ppm 1800 mg/m ³	-	1000 ppm	-
N-Butane	-	-	1000 ppm	-
Barium Sulfate	0.5 mg/m ³ 0.5 mg/m ³ as Ba 15 mg/m ³ total dust 5 mg/m ³ respirable fraction	-	0.5 mg/m ³ 10 mg/m ³	-
Ethylene glycol monopropyl ether	-	-	-	-
Methylisobutyl ketone	100 ppm 410 mg/m ³	-	50 ppm	75 ppm
Methyl Propyl Ketone	200 ppm 700 mg/m ³	-	200 ppm	250 ppm
Xylene (mix)	100 ppm 435 mg/m ³	-	100 ppm	150 ppm
PM Acetate	-	-	-	-
Isobutyl acetate	150 ppm 700 mg/m ³	-	150 ppm	-
Carbon Black	3.5 mg/m ³	-	3.5 mg/m ³	-
Mineral Spirits	-	-	-	-
Ethyl benzene	100 ppm 435 mg/m ³	-	100 ppm	125 ppm
Zirconium Octoate	5 mg/m ³ 5 mg/m ³ as Zr	-	5 mg/m ³	10 mg/m ³
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 °F	-47	Boiling point/range °C	-44
Melting point/range °F	Not Applicable	Melting point/range °C	Not Applicable
Flash point °F	-2	Flash point °C	-19

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Conditions to avoid

Do not store in temperatures above 120 degrees F.

Incompatibility

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)
<i>Acetone</i> 67-64-1	1800 mg/kg	20000 mg/kg	76 mg/L
<i>Propane</i> 74-98-6	-	658 mg/kg	-
<i>N-Butane</i> 106-97-8	-	-	658 g/m ³
<i>Barium Sulfate</i> 7727-43-7	-	-	-
<i>Ethylene glycol monopropyl ether</i> 2807-30-9	3089 mg/kg	960 µL/kg	-

<i>Methylisobutyl ketone</i> 108-10-1	2080 mg/kg	16000 mg/kg	8.2 mg/L
<i>Methyl Propyl Ketone</i> 107-87-9	1600 mg/kg	6500 mg/kg	-
<i>Xylene (mix)</i> 1330-20-7	4300 mg/kg	1700 mg/kg	5000 ppm
<i>PM Acetate</i> 108-65-6	8532 mg/kg	5000 mg/kg	-
<i>Isobutyl acetate</i> 110-19-0	13400 mg/kg	5000 mg/kg	-
<i>Carbon Black</i> 1333-86-4	15400 mg/kg	3 g/kg	-
<i>Mineral Spirits</i> 64742-47-8	5000 mg/kg	2000 mg/kg	5.2 mg/L
<i>Ethyl benzene</i> 100-41-4	3500 mg/kg	15354 mg/kg	17.2 mg/L
<i>Zirconium Octoate</i> 22464-99-9	-	-	-
<i>Lecithin</i> 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 AEROSOLS (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
Barium Sulfate	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
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.