



**Chemical Name:** High Temperature Paint Aluminum

**Manufacturer:** Lawson

**Container Size:** 12 oz.

**Location:** VLA

**Disposal:** Place empty container in trash. Give partial or full container to safety officer.

# Material Safety Data Sheet

Revision Date 08-Nov-2010

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product code** 19946  
**Product name** Aluminum High Temp 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** Silver / Gray

**Odor** Solvent

**Form** Aerosol

**Aggravated Medical Conditions** None Known

**Principal Routes of Exposure** Eyes. Inhalation.

### Potential health effects

**Eyes** Prolonged or repeated exposure may cause . Irritation. Swelling.

**Skin** May cause eye/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. Repeated or prolonged exposure may cause the following effects. Kidney damage. Lung damage. Liver damage. Damage to blood . Changes in heart rate. Repeated and prolonged exposure to solvents may cause brain and nervous system damage.

**Ingestion** Harmful or fatal if swallowed.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Toluene	108-88-3	10-30
Acetone	67-64-1	10-30
Propane	74-98-6	10-30
N-Butane	106-97-8	7-13
Barium Sulfate	7727-43-7	3-7
Mineral Spirits	64742-47-8	3-7
Aluminum	7429-90-5	1-5
Xylene (mix)	1330-20-7	0.5-1.5

## 4. FIRST AID MEASURES

<b>Eye contact</b>	Remove to fresh air. Rinse thoroughly with plenty of water, also under the eyelids. Seek medical attention if irritation persists.
<b>Skin contact</b>	Wash area thoroughly with soap and water. Remove and wash contaminated clothing before re-use.
<b>Ingestion</b>	Call a physician or Poison Control Center immediately.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Notes to physician</b>	Symptoms of poisoning may not appear for several hours. Keep under medical supervision for at least 48 hours.

## 5. FIRE FIGHTING MEASURES

<b>Flash point °C</b>	-19
<b>Flash point °F</b>	-2
<b>Method</b>	No information available
<b>Autoignition temperature °C</b>	365
<b>Autoignition temperature °F</b>	689
<b>Flammability Limits (% in Air)</b>	
<b>Upper</b>	10.9
<b>Lower</b>	1.5

### 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

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.

### 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

Do not spray on a naked flame or any other incandescent material. Do not smoke. 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.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure limits

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Toluene	200 ppm	300 ppm	20 ppm	-
Acetone	1000 ppm 2400 mg/m <sup>3</sup>	-	500 ppm	750 ppm
Propane	1000 ppm 1800 mg/m <sup>3</sup>	-	1000 ppm	-
N-Butane	-	-	1000 ppm	-
Barium Sulfate	15 mg/m <sup>3</sup> total 5 mg/m <sup>3</sup>	-	10 mg/m <sup>3</sup>	-
Mineral Spirits	-	-	-	-
Aluminum	15 mg/m <sup>3</sup> total 5 mg/m <sup>3</sup>	-	1 mg/m <sup>3</sup>	-
Xylene (mix)	100 ppm 435 mg/m <sup>3</sup>	-	100 ppm	150 ppm

### Ventilation and Environmental Controls

Use enough ventilation, local exhaust at the work area, general, or both, to keep below the TLV's in the worker's breathing zone and the general area.

### 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

None necessary under normal conditions

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	Aerosol	<b>Color</b>	Silver / Gray
<b>Odor</b>	Solvent	<b>Odor Threshold</b>	No information available
<b>pH</b>	Not Applicable	<b>Specific Gravity</b>	0.77-0.85
<b>Vapor pressure</b>	No data available	<b>Vapor density</b>	No data available
<b>Evaporation Rate</b>	No data available	<b>VOC Content</b>	618.1 g/l; 5.16 lb/gal
<b>Water solubility</b>	No data available	<b>Partition Coefficient (n-octanol/water)</b>	Not Applicable
<b>Boiling point/range °C</b>	-44	<b>Boiling point/range °F</b>	-47
<b>Melting point/range °C</b>	Not Applicable	<b>Melting point/range °F</b>	Not Applicable
<b>Flash point °C</b>	-19	<b>Flash point °F</b>	-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)
<i>Toluene</i> 108-88-3	636 mg/kg	12124 mg/kg 8390 mg/kg	12.5 mg/L 26700 ppm
<i>Acetone</i> 67-64-1	5800 mg/kg	-	-
<i>Propane</i> 74-98-6	-	-	658 mg/L
<i>N-Butane</i> 106-97-8	-	-	658 mg/L
<i>Barium Sulfate</i> 7727-43-7	-	-	-
<i>Mineral Spirits</i> 64742-47-8	5000 mg/kg	2000 mg/kg	5.2 mg/L
<i>Aluminum</i> 7429-90-5	-	-	-

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Xylene (mix) 1330-20-7	4300 mg/kg	1700 mg/kg	47635 mg/L 5000 ppm

**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. See Section 2

**Mutagenic effects**

None known

**Teratogenic effects**

None known

**Reproductive toxicity**

None known

**Target Organ Effects**

See Section 2

**Carcinogenic effects**

See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Toluene	Listed	Not Listed	Not Listed	Not Listed	Not Listed
Acetone	Not 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	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Mineral Spirits	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Aluminum	Listed	Not Listed	Not Listed	Not Listed	Not Listed
Xylene (mix)	Listed	Not Listed	Not Listed	Not Listed	Not Listed

## 12. ECOLOGICAL INFORMATION

**Toluene****Microtox Data***Photobacterium phosphoreum* EC50=19.7 mg/L (30 min)**Water Flea Data**

water flea hEC50 48 (11.3 mg/L)

water flea hEC50 48 (310 mg/L)

*Daphnia magna* hEC50 48 (11.3 mg/L)

water flea hEC50 48 (11.3 mg/L)

**Acetone****Microtox Data***Photobacterium phosphoreum* EC50=14500 mg/L (15 min)

## 12. ECOLOGICAL INFORMATION

### Water Flea Data

*water flea hEC50 48 (0.0039 mg/L)*

*water flea hEC50 48 (12700 mg/L)*

*Daphnia magna hEC50 48 (12600 mg/L)*

*water flea hEC50 48 (0.0039 mg/L)*

Mineral Spirits

### Water Flea Data

*Den-dronereides heteropoda hLC50 96 (4720 mg/L)*

Xylene (mix)

### Microtox Data

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

### Water Flea Data

*water flea hEC50 48 (3.82 mg/L)*

*Gammarus lacustris hLC50 48 (0.6 mg/L)*

*water flea hEC50 48 (3.82 mg/L)*

## 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, 2.1

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

### TDG

UN1950 AEROSOLS, flammable, 2.1

### IMDG/IMO

UN1950 Aerosols, flammable, 2.1

### IATA

UN1950 Aerosols, flammable, 2.1

### MEX

UN1950 Aerosols, flammable, 2.1

## 15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Toluene	Listed
Aluminum	Listed
Xylene (mix)	Listed

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Toluene	Listed	Listed	Developmental
Acetone	Not Listed	Not Listed	Not Listed
Propane	Listed	Listed	Not Listed
N-Butane	Not Listed	Listed	Not Listed
Barium Sulfate	Not Listed	Listed	Not Listed
Mineral Spirits	Not Listed	Not Listed	Not Listed
Aluminum	Listed	Listed	Not Listed
Xylene (mix)	Not Listed	Listed	Not Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
Toluene	X	X	-	X
Acetone	X	X	-	X
Propane	X	X	-	X
N-Butane	X	X	-	X
Barium Sulfate	X	X	-	X
Mineral Spirits	X	X	-	X
Aluminum	X	X	-	X
Xylene (mix)	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		HMIS	
Health	1	Health	1
Flammability	4	Flammability	4
Reactivity	3	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.