



Material Safety Data Sheet

Revision Date 14-Mar-2014

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code 55559
Product name High Solids Chrome Aluminum
Recommended Use Coating

Supplier Lawson Products, Inc.
8770 W.Bryn Mawr Ave.- Suite 900
Chicago, IL 60631
1-866-529-7664
Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview

Extremely flammable. Contents under pressure. Build up of explosive mixture possible without sufficient ventilation. Harmful by inhalation. Irritating to skin.

Aggravated Medical Conditions
None Known.

Principal Routes of Exposure
Eyes. Inhalation.

Potential health effects

Eyes No adverse affects expected.

Skin Skin Irritation.

Inhalation Repeated and prolonged exposure to solvents may cause brain and nervous system damage. Extreme overexposure may cause. Kidney damage. Lung damage. Liver damage. Cardiac abnormalities. Damage to blood. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

Ingestion May be harmful if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Toluene	108-88-3	15-40
Hydrocarbon Resin	9011-11-4	10-30
Propane	74-98-6	10-30
N-Butane	106-97-8	7-13

Acetone	67-64-1	5-10
Mineral Spirits	64742-47-8	5-10
Aluminum	7429-90-5	1-5
Solvent naphtha (petroleum), light aliphatic	64742-89-8	0.1-1

4. FIRST AID MEASURES

Eye contact Rinse thoroughly with plenty of water, also under the eyelids. Seek medical attention.

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 Pensky-Martens C.C.

Autoignition temperature °C Product is not self-igniting
Autoignition temperature °F

Flammability Limits (% in Air)
Upper 10.9%
Lower 1.5%

Suitable extinguishing media
Carbon dioxide (CO₂). Dry powder. 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
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. Ventilate area to maintain exposure below permissible exposure limits. Do not allow product to reach sewage system, soil, surface or ground water, or any water course. Notify proper authorities if entry occurs.

Clean-up methods - small spill

Ventilate area to maintain exposure below permissible exposure limits.

Clean-up methods - large spill

Ventilate area to maintain exposure below permissible exposure limits.

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

Observe pressurized container storage regulations. Consult with local authorities..

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Toluene	200 ppm	300 ppm	20 ppm	-
Hydrocarbon Resin	-	-	-	-
Propane	1000 ppm 1800 mg/m ³	-	1000 ppm	-
N-Butane	-	-	-	1000 ppm
Acetone	1000 ppm 2400 mg/m ³	-	500 ppm	750 ppm
Mineral Spirits	-	-	-	-
Aluminum	15 mg/m ³	-	1 mg/m ³	-
Solvent naphtha (petroleum), light aliphatic	-	-	-	-

Ventilation and Environmental Controls

Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits. Ensure adequate ventilation, especially in confined areas. Exhaust fans should be explosion proof or set up in a way that explosive concentrations of solvent vapors are not exposed to electrical fixtures or hot surfaces.

Hygiene measures

Keep away from food, drink and animal feeding stuffs. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Respiratory protection

None required if adequate ventilation is provided. Wear a NIOSH approved respirator when mixing or applying product in a poorly ventilated area. Use NIOSH approved respirator if TLV limit is exceeded.

Hand Protection

Chemical resistant gloves. Consult glove manufacturer to determine the proper type for a specific operation.

Eye protection

Tightly fitting safety goggles.

Skin and body protection

Wear appropriate clothing to minimize skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol
Color	Aluminium
Odor	Aromatic
Odor Threshold	No information available
pH	No data available
Specific Gravity	0.77-0.85
Vapor pressure	40 PSI @ 70 F
Density	0.77 g/cm ³ @ 20° (68°F)
Vapor density	No data available
Evaporation Rate	No data available
Water solubility	No data available
VOC Content	72.5%; 590 g/l; 4.92 lb/gal
Solids content	22.8%
MIR value	1.86
Partition Coefficient (n-octanol/water)	No data available
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. Unstable at high temperatures. In use, may form flammable/explosive vapour-air mixture .

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)
Toluene 108-88-3	636 mg/kg	8390 mg/kg	12.5 mg/L
Hydrocarbon Resin 9011-11-4	-	-	-
Propane 74-98-6	-	-	658 mg/L
N-Butane 106-97-8	-	-	658 g/m ³
Acetone 67-64-1	-	-	50100 mg/m ³
Mineral Spirits 64742-47-8	5000 mg/kg	2000 mg/kg	5.2 mg/L
Aluminum 7429-90-5	-	-	-
Solvent naphtha (petroleum), light aliphatic 64742-89-8	-	3000 mg/kg	-

Synergistic Products None known

Potential health effects

Sensitization None known

Chronic toxicity None known

Mutagenic effects None known

Teratogenic effects None known

Reproductive toxicity None known

Target Organ Effects Reports have associated prolonged overexposure to solvents with permanent brain and nervous system damage. Prolonged or repeated occupational overexposure may affect the following: Kidney. Lungs. Liver. Heart. Blood.

Carcinogenic effects See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Toluene	A4	Not Listed	Not Listed	Not Listed	Not Listed
Hydrocarbon Resin	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
Acetone	A4	Not Listed	Not Listed	Not Listed	Not Listed
Mineral Spirits	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Aluminum	A4	Not Listed	Not Listed	Not Listed	Not Listed
Solvent naphtha (petroleum), light aliphatic	Not 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
Daphnia magna EC50=9.83 mg/L (48 h)
Daphnia magna EC50=11.5 mg/L (48 h)

Acetone

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

Water Flea Data
Daphnia magna EC50=17704 mg/L (48 h)
Daphnia magna EC50=12700 mg/L (48 h)

Aquatic toxicity Harmful to aquatic organisms Do not let product enter drains.

13. DISPOSAL CONSIDERATIONS

Disposal Information

Dispose in accordance with federal, state, and local regulations. Do not puncture or incinerate. Do not heat or cut empty containers with electric or gas torches. Please recycle empty container whenever possible.

14. TRANSPORTATION INFORMATION

DOT

Consumer commodity, ORM-D.

TDG

Consumer commodity, ORM-D.

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Aluminum	Listed

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Toluene	Listed	Listed	Developmental Female Reproductive
Hydrocarbon Resin	Not Listed	Not Listed	Not Listed
Propane	Listed	Listed	Not Listed
N-Butane	Not Listed	Listed	Not Listed
Acetone	Not Listed	Listed	Not Listed
Mineral Spirits	Not Listed	Not Listed	Not Listed
Aluminum	Listed	Listed	Not Listed
Solvent naphtha (petroleum), light aliphatic	Not Listed	Not Listed	Not Listed

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.

Chemical Name	Type
Toluene - 108-88-3	Female Reproductive

WARNING: This product contains a chemical(s) known to the state of California to cause cancer and birth defects or other reproductive harm

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Toluene	X	X	-	X
Hydrocarbon Resin	-	X	-	X
Propane	X	X	-	X
N-Butane	X	X	-	X
Acetone	X	X	-	X
Mineral Spirits	X	X	-	X
Aluminum	X	X	-	X
Solvent naphtha (petroleum), light aliphatic	X	X	-	X

CPR

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION**NFPA**

Health - 1
Flammability - 4
Reactivity - 3

HMIS

Health - 1
Flammability - 4
Physical Hazard - 3

Prepared By

V. Shargorodsky, Regulatory Affairs
Engineer