

Issue date 01-Jun-2018

Revision date 01-Jun-2018

Revision Number 1

1. IDENTIFICATION

Product identification

Product identifier	Lawson Spray Zinc Coating
Other means of identification	1509231
Recommended use	Paint
Restrictions on use	Not available

Supplier

Corporate Headquarters:
Lawson Products, Inc.
8770 W. Bryn Mawr Ave., Suite 900
Chicago, IL 60631
(866) 837-9908

Canadian Distribution Center:
Lawson Canada
7315 Rapistan Court
Mississauga, ON L5N 5Z4
(800) 323-5922

24 Hour Emergency Phone Number (888) 426-4851 (Prosar)

2. HAZARD(S) IDENTIFICATION

Hazard Classification This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Flammable aerosols	Category 1
Gases under pressure	Compressed gas

Symbol



Signal word DANGER

Hazard statements

H222 - Extremely flammable aerosol
H280 - Contains gas under pressure; may explode if heated
H315 - Causes skin irritation

H361 - Suspected of damaging fertility or the unborn child
 H336 - May cause drowsiness or dizziness
 H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements

General

P101 - If medical advice is needed, have product container or label at hand
 P103 - Read label before use.
 P102 - Keep out of reach of children

Prevention

P201 - Obtain special instructions before use
 P202 - Do not handle until all safety precautions have been read and understood
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P211 - Do not spray on an open flame or other ignition source
 P251 - Pressurized container: Do not pierce or burn, even after use
 P264 - Wash hands thoroughly after handling
 P271 - Use only outdoors or in a well-ventilated area
 P280 - Wear protective gloves/protective clothing and eye/face protection
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray

Response

General

P312 - Call a POISON CENTER or doctor if you feel unwell

Skin

P332 + P313 - If skin irritation occurs: Get medical advice/attention
 P362 - Take off contaminated clothing and wash before reuse
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

Inhalation

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Storage

P405 - Store locked up
 P412 - Do not expose to temperatures exceeding 50 °C/122 °F
 P410 - Protect from sunlight
 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

Disposal

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

Hazard(s) Not Otherwise Classified (HNOC)

None known.

Physical Hazards Not Otherwise Classified (PHNOC)

None known.

Unknown acute toxicity

None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition

This product is a mixture of the substances listed below with nonhazardous additions.

Chemical name	CAS-No	Weight %
Zinc	7440-66-6	46.15
Toluene	108-88-3	22.2
Propane	74-98-6	12.6
N-Butane	106-97-8	7.4
Mineral Spirits		

	64742-47-8	4.37
Isopropyl Alcohol	67-63-0	2.08
Zinc oxide	1314-13-2	1.43

4. FIRST-AID MEASURES

Necessary first-aid measures

Inhalation	Supply fresh air. Consult doctor in case of complaint.
Ingestion	After swallowing, rinse out mouth and then drink plenty of water. Rinse mouth with water. Do NOT induce vomiting.
Skin contact	Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. Wash exposed area with soap and water.
Eye contact	Rinse opened eye for several minutes under running water. If symptoms persist, call a physician.

Most important symptoms (acute) Dizziness.

Most important symptoms (over-exposure) No further relevant information available.

Indication of any immediate medical attention and special treatment needed No further relevant information available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Carbon dioxide (CO ₂). Extinguishing powder. Water spray. Fight larger fires with water spray.
Unsuitable extinguishing media	Not available.
Specific hazards	Can form explosive gas-air mixtures.
Special protective equipment for fire-fighters	A respiratory protective device may be necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Use respiratory protective device against the effects of fumes/dust/aerosol. Wear personal protective equipment. Keep unprotected persons away.
Methods and materials for containment and cleaning up	Dispose contaminated material as waste according to section 13.

7. HANDLING AND STORAGE

Precautions for safe handling	Use only in a well ventilated area.
Conditions for safe	Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing

storage, including any incompatibilities

conditions. Store locked up.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	OSHA PEL (TWA)	ACGIH OEL (TWA)	NIOSH - TWA
Zinc	-	-	-
Toluene	300 ppm Ceiling 200 ppm TWA	20 ppm TWA	150 ppm STEL 560 mg/m ³ STEL 100 ppm TWA 375 mg/m ³ TWA
Propane	1000 ppm TWA 1800 mg/m ³ TWA	-	1000 ppm TWA 1800 mg/m ³ TWA
N-Butane	-	1000 ppm STEL	800 ppm TWA 1900 mg/m ³ TWA
Mineral Spirits	-	-	-
Isopropyl Alcohol	400 ppm TWA 980 mg/m ³ TWA	400 ppm STEL 200 ppm TWA	500 ppm STEL 1225 mg/m ³ STEL 400 ppm TWA 980 mg/m ³ TWA
Zinc oxide	5 mg/m ³ TWA 15 mg/m ³ TWA 5 mg/m ³ TWA	10 mg/m ³ STEL 2 mg/m ³ TWA	10 mg/m ³ STEL 5 mg/m ³ TWA

Appropriate engineering controls

Not available.

Individual protection measures, such as personal protective equipment

Eye protection

Tightly fitting safety goggles.

Skin and body protection

Nitrile gloves. Protective gloves. The glove material must be impermeable and resistant to the substance.

Respiratory protection

A respirator is generally not necessary when using this product outdoors or in a large open areas. In cases where short and/or long term overexposure exists, a charcoal filter respirator should be worn. If you suspect overexposure conditions exist, please consult an authority on chemical hygiene.

Hygiene measures

Immediately remove all soiled and contaminated clothing. Wash hands after use. Avoid contact with skin and eyes. Do not eat or drink while working.

Canadian Province Occupational Exposure Limits

Chemical name	Alberta OEL	British Columbia OEL	Manitoba OEL	New Brunswick - OEL	Newfoundland & Labrador - OEL	Nova Scotia - OEL	Ontario OEL	Prince Edward Island - OEL	Quebec OEL	Saskatchewan - OEL
Zinc	-	-	-	-	-	-	-	-	-	-
Toluene	50 ppm TWA 188 mg/m ³ TWA	20 ppm TWA	20 ppm TWA	50 ppm TWA 188 mg/m ³ TWA	20 ppm TWA	20 ppm TWA	20 ppm TWA	20 ppm TWA	50 ppm TWA 188 mg/m ³ TWA	60 ppm STEL 50 ppm TWA
Propane	1000 ppm TWA	1000 ppm TWA 1000 ppm TWA	-	-	-	-	-	-	1000 ppm TWA 1800 mg/m ³	1250 ppm STEL 1000 ppm

Chemical name	Alberta OEL	British Columbia OEL	Manitoba OEL	New Brunswick - OEL	Newfoundland & Labrador - OEL	Nova Scotia - OEL	Ontario OEL	Prince Edward Island - OEL	Quebec OEL	Saskatchewan - OEL
									TWAEV	TWA 1000 ppm TWA
N-Butane	1000 ppm TWA	750 ppm STEL 600 ppm TWA 1000 ppm TWA	1000 ppm STEL	800 ppm TWA 1900 mg/m ³ TWA	1000 ppm STEL	1000 ppm STEL	1000 ppm STEL	1000 ppm STEL	800 ppm TWAEV 1900 mg/m ³ TWAEV	1250 ppm STEL 1000 ppm TWA 1000 ppm TWA
Mineral Spirits	-	200 mg/m ³ TWA	-	-	-	-	-	-	-	-
Isopropyl Alcohol	400 ppm STEL 984 mg/m ³ STEL 200 ppm TWA 492 mg/m ³ TWA	400 ppm STEL 200 ppm TWA	200 ppm TWA 400 ppm STEL	500 ppm STEL 1230 mg/m ³ STEL 400 ppm TWA 983 mg/m ³ TWA	400 ppm STEL 200 ppm TWA	400 ppm STEL 200 ppm TWA	400 ppm STEL 200 ppm TWA	400 ppm STEL 200 ppm TWA	500 ppm STEV 1230 mg/m ³ STEV 400 ppm TWAEV 985 mg/m ³ TWAEV	400 ppm STEL 200 ppm TWA
Zinc oxide	10 mg/m ³ STEL 2 mg/m ³ TWA	10 mg/m ³ STEL 2 mg/m ³ TWA	2 mg/m ³ TWA 10 mg/m ³ STEL	10 mg/m ³ STEL 10 mg/m ³ TWA 5 mg/m ³ TWA	10 mg/m ³ STEL 2 mg/m ³ TWA	10 mg/m ³ STEL 2 mg/m ³ TWA	10 mg/m ³ STEL 2 mg/m ³ TWA	10 mg/m ³ STEL 2 mg/m ³ TWA	10 mg/m ³ STEV 10 mg/m ³ TWAEV 5 mg/m ³ TWAEV	10 mg/m ³ STEL 2 mg/m ³ TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Aerosol
Odor	Aromatic
Odor threshold	Not available
pH	Not available
Melting point/range °C	Not available
Melting point/range °F	Not available
Boiling point/range °C	-44 °C
Boiling point/range °F	-47 °F
Flash point °C	-19
Flash point °F	-2
Flash point method used	Not available
Evaporation rate	Not available
Flammability (Solid, Gas)	Extremely flammable
Lower explosion limit	1.7 %
Upper explosion limit	10.9 %

Vapor pressure	Not available
Vapor density	Not available
Relative density	0.77-0.85
Solubility	Not available
Partition coefficient (n-octanol/water)	Not available
Autoignition temperature °C	Product is not self-igniting
Autoignition temperature °F	Product is not self-igniting
Decomposition temperature °C	Not available
Decomposition temperature °F	Not available
Viscosity	Not available

10. STABILITY AND REACTIVITY

Reactivity	Stable at normal temperatures.
Chemical stability	Not fully evaluated. In use, may form flammable/explosive vapour-air mixture.
Possibility of hazardous reactions	None known.
Conditions to avoid	Do not allow can to exceed 120 degrees Fahrenheit. Do not warehouse in subfreezing conditions.
Incompatible materials	No further relevant information available.
Hazardous decomposition products	None known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	Eyes.
Symptoms	Eye irritation.
Delayed and immediate effects as well as chronic effects from short and long-term exposure	No sensitizing effects known. Causes eye irritation. Irritating to skin and mucous membranes.

Numerical measures of toxicity

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Zinc	-	-	= 630 mg/kg (Rat)
Toluene	= 12.5 mg/L (Rat) 4 h	= 12000 mg/kg (Rabbit) Dermal LD50 Rabbit 12000 mg/kg (Source: JAPAN_GHS)	= 2600 mg/kg (Rat) Oral LD50 Rat 2600 mg/kg (Source: JAPAN_GHS)
Propane	> 800000 ppm (Rat) 15 min	-	-
N-Butane	= 658 g/m ³ (Rat) 4 h	-	-

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Mineral Spirits	> 5.2 mg/L (Rat) 4 h	> 2000 mg/kg (Rabbit)	> 5000 mg/kg (Rat)
Isopropyl Alcohol	= 72600 mg/m ³ (Rat) 4 h	= 4059 mg/kg (Rabbit)	= 1870 mg/kg (Rat)
Zinc oxide	-	-	> 5000 mg/kg (Rat)

ATEmix (dermal) Not available

ATEmix (oral) Not available

ATEmix (inhalation-gas) Not available

ATEmix (inhalation-vapor) Not available

ATEmix (inhalation-dust/mist) Not available

Carcinogenicity

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA RTK Carcinogens	NTP
Zinc	-	-	-	-
Toluene	A4	Group 3	-	-
Propane	-	-	-	-
N-Butane	-	-	-	-
Mineral Spirits	-	-	-	-
Isopropyl Alcohol	A4	Group 1 Group 3	Listed	-
Zinc oxide	-	-	-	-

Canadian Province carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Zinc	-	-	-	-	-	-
Toluene	-	-	ACGIH A4	ACGIH A4	ACGIH A4	-
Propane	-	-	-	-	-	-
N-Butane	-	-	-	-	-	-
Mineral Spirits	-	-	-	-	-	-
Isopropyl Alcohol	-	-	ACGIH A4	-	ACGIH A4	-
Zinc oxide	-	-	-	-	-	-

12. ECOLOGICAL INFORMATION

Ecotoxicity

Hazardous for water, do not empty into drains.

Chemical name	Algae/aquatic plants	Fish
Zinc	0.11 - 0.271: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 0.09 - 0.125: 72 h Pseudokirchneriella subcapitata mg/L EC50 static	2.16 - 3.05: 96 h Pimephales promelas mg/L LC50 flow-through 0.45: 96 h Cyprinus carpio mg/L LC50 semi-static 2.66: 96 h Pimephales promelas mg/L LC50 static 3.5: 96 h Lepomis macrochirus mg/L LC50 static 7.8: 96 h Cyprinus carpio mg/L LC50 static 30: 96 h Cyprinus carpio mg/L LC50 0.211 -

Chemical name	Algae/aquatic plants	Fish
		0.269: 96 h Pimephales promelas mg/L LC50 semi-static 0.24: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.59: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 0.41: 96 h Oncorhynchus mykiss mg/L LC50 static
Toluene	433: 96 h Pseudokirchneriella subcapitata mg/L EC50 12.5: 72 h Pseudokirchneriella subcapitata mg/L EC50 static	15.22 - 19.05: 96 h Pimephales promelas mg/L LC50 flow-through 12.6: 96 h Pimephales promelas mg/L LC50 static 5.89 - 7.81: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 14.1 - 17.16: 96 h Oncorhynchus mykiss mg/L LC50 static 5.8: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 11.0 - 15.0: 96 h Lepomis macrochirus mg/L LC50 static 54: 96 h Oryzias latipes mg/L LC50 static 28.2: 96 h Poecilia reticulata mg/L LC50 semi-static 50.87 - 70.34: 96 h Poecilia reticulata mg/L LC50 static
Propane	-	-
N-Butane	-	-
Mineral Spirits	-	45: 96 h Pimephales promelas mg/L LC50 flow-through 2.2: 96 h Lepomis macrochirus mg/L LC50 static 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static
Isopropyl Alcohol	1000: 96 h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus subspicatus mg/L EC50	1400000: 96 h Lepomis macrochirus µg/L LC50 9640: 96 h Pimephales promelas mg/L LC50 flow-through 11130: 96 h Pimephales promelas mg/L LC50 static
Zinc oxide	-	-

Persistence and degradability The product is degradable after prolonged exposure to natural weathering processes.

Bioaccumulation

Chemical name	CAS-No	Partition coefficient (log Kow)
Zinc 7440-66-6	7440-66-6	-
Toluene 108-88-3	108-88-3	2.7
Propane 74-98-6	74-98-6	2.3 <=2.8
N-Butane 106-97-8	106-97-8	2.89 <=2.8
Mineral Spirits 64742-47-8	64742-47-8	-
Isopropyl Alcohol 67-63-0	67-63-0	0.05 25 °C
Zinc oxide 1314-13-2	1314-13-2	-

Mobility in soil Not available.

Other adverse effects Not available

13. DISPOSAL CONSIDERATIONS

Disposal information Dispose of in accordance with federal, state and local regulations. Do not puncture, incinerate, or crush. Partially empty cans must be disposed of responsibly. Do not heat or

cut empty containers with electric or gas torches.

Contaminated packaging Completely empty cans should be recycled.

14. TRANSPORTATION INFORMATION

Shipping Descriptions

DOT

ID-No UN1950
 Proper shipping name Aerosols, flammable
 Hazard Class(es) 2.1
 Special Provisions LTD QTY

TDG

ID-No UN1950
 Proper shipping name Aerosols, flammable
 Hazard Class(es) 2.1
 Special Provisions LTD QTY

IATA

ID-No UN1950
 Proper shipping name Aerosols, flammable
 Hazard Class(es) 2.1
 Special Provisions LTD QTY

IMDG/IMO

ID-No UN1950
 Proper shipping name Aerosols
 Hazard Class(es) 2.1
 Special Provisions LTD QTY

Marine Pollutants

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
Zinc	7440-66-6	-	-	-
Toluene	108-88-3	-	-	-
Propane	74-98-6	-	-	-
N-Butane	106-97-8	-	-	-
Mineral Spirits	64742-47-8	-	-	-
Isopropyl Alcohol	67-63-0	-	-	-
Zinc oxide	1314-13-2	-	-	-

Special Precautions

Multi-modal shipping descriptions are provided for informational purposes and do not consider container size. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

15. REGULATORY INFORMATION

State regulations

U.S. state Right-to-Know regulations

Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
Zinc	7440-66-6	X	X	X
Toluene	108-88-3	X	X	X
Propane	74-98-6	X	X	X
N-Butane	106-97-8	X	X	X
Mineral Spirits	64742-47-8	-	-	-
Isopropyl Alcohol	67-63-0	X	X	X
Zinc oxide	1314-13-2	X	X	X

California Prop. 65

Chemical name	CAS-No	California Prop. 65
Zinc	7440-66-6	-
Toluene	108-88-3	Developmental
Propane	74-98-6	-
N-Butane	106-97-8	-
Mineral Spirits	64742-47-8	-
Isopropyl Alcohol	67-63-0	-
Zinc oxide	1314-13-2	-

California Proposition 65

This product contains chemicals known to the state of California to cause birth defects or other reproductive harm

U.S. Federal Regulations**Consumer Product Safety Commission**

This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.

US EPA SARA 313

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Zinc	7440-66-6	454 kg 1000 lb	1.0 %
Toluene	108-88-3	1000 lb 454 kg 1 lb 0.454 kg	1.0 %
Propane	74-98-6	-	-
N-Butane	106-97-8	-	-
Mineral Spirits	64742-47-8	-	-
Isopropyl Alcohol	67-63-0	-	1.0 %
Zinc oxide	1314-13-2	-	1.0 %

US EPA SARA 311/312 hazardous categorization

Not available

International inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA 8(b)), Canada (DSL/NDSL) or are exempt.

Chemical name	DSL/NDSL	Inventory - United States - Section 8(b) Inventory (TSCA)	U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification

Chemical name	DSL/NDSL	Inventory - United States - Section 8(b) Inventory (TSCA)	U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification
Zinc	X	X	-
Toluene	X	X	-
Propane	X	X	-
N-Butane	X	X	-
Mineral Spirits	X	X	-
Isopropyl Alcohol	X	X	-
Zinc oxide	X	X	-

Legend X - Listed

16. OTHER INFORMATION

NFPA

Health	Not available
Flammability	Not available
Instability	Not available

HMIS

Health	Not available
Flammability	Not available
Physical hazards	Not available

Notice: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA).

Prepared by Regulatory Affairs

Issue date 01-Jun-2018

Revision date 01-Jun-2018

Revision note

Key to abbreviations

ACGIH (American Conference of Governmental Industrial Hygienists)
 ATE (Average Toxicity Estimate)
 DSL/NDSL (Domestic Substance List/Non-Domestic Substance List)
 HMIS (Hazardous Materials Identification System)
 IARC (International Agency for Research on Cancer)
 IATA (International Air Transport Association)
 IMDG/IMO (International Maritime Dangerous Goods/International Maritime Organization)
 NFPA (National Fire Protection Association)
 NTP (National Toxicology Program)
 OEL (Occupational Exposure Level)
 OSHA (Occupational Safety and Health Administration of the US Department of Labor)
 PEL (Permissible Exposure Limit)
 TSCA (Toxic Substance Control Act)
 USEPA (United States Environmental Protection Agency)

Disclaimer

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.

End of Safety Data Sheet