



Safety Data Sheet

Issue date 11-Jul-2018

Revision date 05-Jan-2022

Revision Number 2

1. IDENTIFICATION

Product identification

Product identifier	Lawson Tru-Copper Plate Conductive Anti Seize
Other means of identification	86587
Recommended use	Lubricant
Restrictions on use	For industrial use only

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)

Website www.lawsonproducts.com

2. HAZARD(S) IDENTIFICATION

Hazard Classification While this material is not classified as hazardous under OSHA, GHS or WHMIS 2015 regulations, this SDS contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Symbol Not applicable

Signal word Not applicable

Hazard statements Not applicable

Precautionary statements

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

Prevention Not applicable

Response Not applicable

Storage	Not applicable
Disposal	Not applicable
Hazard(s) Not Otherwise Classified (HNOC)	Not available.
Physical Hazards Not Otherwise Classified (PHNOC)	Not available.
Unknown acute toxicity	0%.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition Mixture.

Chemical name	CAS-No	Weight %
Acetone	67-64-1	3-7
Polysulfides, di-tert-dodecyl	689425-15-0	0.1-5
Polybutene	9003-29-6	0.1-5
Ethylene oxide	75-21-8	0.1-5
Copper	7440-50-8	0.1-5
Amorphous silica	112945-52-5	0.1-5

The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST-AID MEASURES

Necessary first-aid measures

Inhalation	Move to fresh air. Avoid breathing oil mist. If breathing is difficult, give oxygen. Administer artificial respiration if not breathing. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Ingestion	Call a physician immediately. Do not induce vomiting without medical advice. Rinse mouth with water.
Skin contact	Wash off immediately with soap and plenty of water. Seek medical attention if irritation occurs.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.
Most important symptoms (acute)	None known.
Most important symptoms (over-exposure)	None known.
Indication of any immediate medical attention and special treatment needed	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Dry chemical. Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media Water stream may spread fire. Water spray may be ineffective.

Specific hazards Keep away from oxygen generating materials.

Special protective equipment for fire-fighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use water spray to keep fire-exposed containers cool.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Wear personal protective clothing and equipment, see section 8.

Methods and materials for containment and cleaning up Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Dispose of all product, residues and clean-up materials in accordance with local, state, and federal regulations. Small Spill: Wipe up with absorbent material (e.g. cloth, fleece).

7. HANDLING AND STORAGE

Precautions for safe handling Put on appropriate personal protective equipment (see section 8). Keep out of reach of children.

Conditions for safe storage, including any incompatibilities Keep in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep containers tightly closed and sealed until ready for use. Incompatible with strong acids and bases. material that reacts with unsaturated hydrocarbons.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters See information below

Chemical name	OSHA PEL (TWA)	California - PELs	ACGIH OEL (TWA)	NIOSH - TWA
Acetone	1000 ppm TWA 2400 mg/m ³ TWA	500 ppm PEL; 1200 mg/m ³ PEL	250 ppm TWA	250 ppm TWA 590 mg/m ³ TWA
Polysulfides, di-tert-dodecyl	-			
Polybutene	-			
Ethylene oxide	1 ppm TWA	1 ppm PEL; 2 mg/m ³ PEL	1 ppm TWA	0.1 ppm TWA 0.18 mg/m ³ TWA
Copper	0.1 mg/m ³ TWA 1 mg/m ³ TWA	0.1 mg/m ³ PEL (fume); 1 mg/m ³ PEL (dust and mist)	0.2 mg/m ³ TWA 1 mg/m ³ TWA	1 mg/m ³ TWA 0.1 mg/m ³ TWA 1 mg/m ³ TWA
Amorphous silica	-			6 mg/m ³ TWA

Appropriate engineering controls Showers, eyewash stations, and ventilation systems. Provide adequate ventilation to keep exposure limits below PEL.

Individual protection measures, such as personal protective equipment

Eye protection Safety glasses.

Skin and body protection The following gloves are recommended for prolonged or repeated contact: Butyl rubber gloves. Wear suitable protective clothing.

Respiratory protection Not required with adequate ventilation.

Hygiene measures

Wash hands after handling the product. Wash contaminated clothing before reuse.

Canadian Province Occupational Exposure Limits

Chemical name	AB	BC	MB	NB	NL	NS	ON	PE	QC	SK
Acetone	500 ppm TWA 1200 mg/m ³ TWA	250 ppm TWA	250 ppm TWA	500 ppm TWA 1188 mg/m ³ TWA	250 ppm TWA	250 ppm TWA	250 ppm TWA	250 ppm TWA	500 ppm TWA 1190 mg/m ³ TWA	500 ppm TWA
Polysulfides, di-tert-dodecyl	-	-	-	-	-	-	-	-	-	-
Polybutene	-	-	-	-	-	-	-	-	-	-
Ethylene oxide	1 ppm TWA 1.8 mg/m ³ TWA	0.1 ppm TWA	1 ppm TWA	1 ppm TWA 1.8 mg/m ³ TWA	1 ppm TWA	1 ppm TWA	1 ppm TWA 1.8 mg/m ³ TWA 1 ppm TWA	1 ppm TWA	1 ppm TWA 1.8 mg/m ³ TWA	1 ppm TWA
Copper	0.2 mg/m ³ TWA 1 mg/m ³ TWA	1 mg/m ³ TWA 0.2 mg/m ³ TWA	0.2 mg/m ³ TWA 1 mg/m ³ TWA	0.2 mg/m ³ TWA 1 mg/m ³ TWA	0.2 mg/m ³ TWA 1 mg/m ³ TWA	0.2 mg/m ³ TWA 1 mg/m ³ TWA	0.2 mg/m ³ TWA 1 mg/m ³ TWA	0.2 mg/m ³ TWA 1 mg/m ³ TWA	0.2 mg/m ³ TWA 1 mg/m ³ TWA	0.2 mg/m ³ TWA 1 mg/m ³ TWA
Amorphous silica	-	-	-	-	-	-	-	-	-	-

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Semi-Solid
Color	Copper
Odor	Bland odor
Odor threshold	No information available
pH	Not available
Melting point/range °C	No data available
Melting point/range °F	No data available
Boiling point/range °C	Decomposes
Boiling point/range °F	Decomposes
Flash point °C	>93
Flash point °F	>200
Evaporation rate	<1 (Butyl Acetate = 1)
Flammability (Solid, Gas)	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	0.95
Solubility	insoluble

Partition coefficient (n-octanol/water)	No data available
Autoignition temperature °C	No data available
Autoignition temperature °F	No data available
Decomposition temperature °C	No data available
Decomposition temperature °F	No data available
Viscosity	No data available

10. STABILITY AND REACTIVITY

Reactivity	None known.
Chemical stability	Stable.
Possibility of hazardous reactions	None known.
Conditions to avoid	Keep from excessive heat. Do not store near sources of ignition.
Incompatible materials	None known.
Hazardous decomposition products	None known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	Dermal. Ingestion. Eyes.
Symptoms	irritating to the eyes. redness. Tearing. burning. Ingestion may cause gastrointestinal irritation. If swallowed, nausea, vomiting, and diarrhea may result. Skin irritation. Avoid breathing vapors or mists. Repeated or prolonged exposure to spray or mist may produce respiratory tract irritation. Headache.
Delayed and immediate effects as well as chronic effects from short and long-term exposure	None known.

Numerical measures of toxicity

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Acetone	50100 mg/m ³ Rat	= 5800 mg/kg Rat >15700 mg/kg Rabbit	5800 mg/kg Rat > 15700 mg/kg Rabbit
Polysulfides, di-tert-dodecyl	-	-	-
Polybutene	-	-	-
Ethylene oxide	800 ppm Rat	= 72 mg/kg Rat	72 mg/kg (Rat)
Copper	-	-	-
Amorphous silica	>2.2 mg/L Rat	= 3160 mg/kg Rat = 7900 mg/kg Rat >2000 mg/kg Rabbit	3160 mg/kg Rat 7900 mg/kg Rat > 2000 mg/kg Rabbit

ATEmix (dermal)	Not available
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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 Carcinogens	NTP
Acetone	A4	-	-	-
Polysulfides, di-tert-dodecyl	-	-	-	-
Polybutene	-	-	-	-
Ethylene oxide	A2	Group 1 Group 2A	X	Known carcinogen
Copper	-	-	-	-
Amorphous silica	-	Group 3	-	-

Canadian Province carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Acetone	-	-	ACGIH A4	ACGIH A4	ACGIH A4	-
Polysulfides, di-tert-dodecyl	-	-	-	-	-	-
Polybutene	-	-	-	-	-	-
Ethylene oxide	A2 - Suspected Human Carcinogen	IARC 1 ACGIH A2	ACGIH A2	ACGIH A2	ACGIH A2	C2 carcinogen
Copper	-	-	-	-	-	-
Amorphous silica	-	-	-	-	-	-

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Chemical name	Algae/aquatic plants	Fish LC50
Acetone	-	4.74 - 6.33mL/L Oncorhynchus mykiss 96h = 8300mg/L Lepomis macrochirus 96h 6210 - 8120mg/L Pimephales promelas 96h
Polysulfides, di-tert-dodecyl	-	-
Polybutene	-	-
Ethylene oxide	-	73 - 96mg/L Pimephales promelas 96h
Copper	0.0426 - 0.0535mg/L Pseudokirchneriella subcapitata 72h 0.031 - 0.054mg/L Pseudokirchneriella subcapitata 96h	0.0068 - 0.0156mg/L Pimephales promelas 96h < 0.3mg/L Pimephales promelas 96h = 0.052mg/L Oncorhynchus mykiss 96h = 0.112mg/L Poecilia reticulata 96h = 0.2mg/L Pimephales promelas 96h = 0.3mg/L Cyprinus carpio 96h = 0.8mg/L Cyprinus carpio 96h = 1.25mg/L Lepomis macrochirus 96h
Amorphous silica	=440mg/L Pseudokirchneriella subcapitata 72h	= 5000mg/L Brachydanio rerio 96h

Persistence and degradability Component(s) of this product are not biodegradable.

Bioaccumulation Components in this mixture can bio-accumulate in aquatic organisms

Chemical name	CAS-No	Partition coefficient (log Kow)	Bioconcentration factor (BCF)
Acetone 67-64-1	67-64-1	-0.24	0.69 species: fish
Polysulfides, di-tert-dodecyl 689425-15-0	689425-15-0	-	-
Polybutene 9003-29-6	9003-29-6	-	-
Ethylene oxide 75-21-8	75-21-8	-0.3 at 25 °C	-
Copper 7440-50-8	7440-50-8	-	29
Amorphous silica 112945-52-5	112945-52-5	-	no bioaccumulation expected

Mobility in soil This product is mobile in soil.

Other adverse effects No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

Disposal information Dispose of all product, residues and clean-up materials in accordance with local, state, and federal regulations. Do not dispose of waste into sewer. Do not reuse container. Drums should be offered for recycling.

Contaminated packaging Dispose in accordance with local, state and federal regulations.

14. TRANSPORTATION INFORMATION

Shipping Descriptions

DOT ID-No Not Regulated

TDG ID-No Not Regulated

IATA ID-No Not Regulated

IMDG/IMO ID-No Not Regulated

Marine Pollutants

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
Acetone	67-64-1	-	-	-
Polysulfides, di-tert-dodecyl	689425-15-0	-	-	-
Polybutene	9003-29-6	-	-	-
Ethylene oxide	75-21-8	-	-	-
Copper	7440-50-8	X	-	X
Amorphous silica	112945-52-5	-	-	-

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 See information below

Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
Acetone	67-64-1	X	X	X
Polysulfides, di-tert-dodecyl	689425-15-0	-	-	-
Polybutene	9003-29-6	-	-	-
Ethylene oxide	75-21-8	X	X	X
Copper	7440-50-8	X	X	X
Amorphous silica	112945-52-5	X	-	X

California Prop. 65

Chemical name	CAS-No	California Prop. 65
Acetone	67-64-1	-
Polysulfides, di-tert-dodecyl	689425-15-0	-
Polybutene	9003-29-6	-
Ethylene oxide	75-21-8	Carcinogen Developmental Female Reproductive Male Reproductive
Copper	7440-50-8	-
Amorphous silica	112945-52-5	-

California Proposition 65

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

U.S. Federal Regulations**US EPA SARA 313**

This product contains no listed chemicals subject to reporting

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Acetone	67-64-1	5000 lb 2270 kg	-
Polysulfides, di-tert-dodecyl	689425-15-0	-	-
Polybutene	9003-29-6	-	-
Ethylene oxide	75-21-8	10 lb 4.54 kg	0.1 %
Copper	7440-50-8	5000 lb 2270 kg	1.0 %
Amorphous silica	112945-52-5	-	-

US EPA SARA 311/312 Fire Hazard
hazardous categorization

TSCA and Canadian Inventories

Chemical name	Inventory - United States - Section 8(b) Inventory (TSCA)	U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification	DSL	NDSL
Acetone	X	-	X	-
Polysulfides, di-tert-dodecyl	-	-	-	-
Polybutene	X	-	X	-
Ethylene oxide	X	-	X	-
Copper	X	-	X	-
Amorphous silica	X	-	X	-

Legend X - Listed

16. OTHER INFORMATION

NFPA

Health 1
Flammability 1
Instability 0
Specific hazard None

HMIS

Health 1
Flammability 1
Physical hazards 0
Personal protection A

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 11-Jul-2018

Revision date 05-Jan-2022

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