

# SAFETY DATA SHEET

## WESTON® TLP



Version 1.1      Revision Date: 2019/03/31      SDS Number: 400000003701      Country : US  
Language: Z8

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### SECTION 1. IDENTIFICATION

#### Recommended use of the chemical and restrictions on use

Recommended use : Antioxidant

Restrictions on use : For use in industrial installations or professional treatment only.

#### Manufacturer or supplier's details

Company: Supplier  
SI Group USA (USAA), LLC  
4 Mountainview Terrace  
Suite 200  
Danbury, CT  
United States of America (USA)  
06810

#### Emergency telephone

Emergency telephone: +1 703-741-5970(CHEMTREC/US)  
+44 (0) 1235 239 670(NCEC/EU)  
0 512 8090 3042(NRCC/CHINA)  
For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with 29 CFR 1910.1200

Skin irritation : Category 2

Eye irritation : Category 2A

Germ cell mutagenicity : Category 2


Specific target organ systemic toxicity - repeated exposure : Category 2

#### GHS label elements

# SAFETY DATA SHEET

## WESTON® TLP

Version 1.1      Revision Date: 2019/03/31      SDS Number: 400000003701      Country : US  
Language: Z8

- Hazard pictograms : 
- Signal Word : Warning
- Hazard Statements : H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H341 Suspected of causing genetic defects.  
H373 May cause damage to organs through prolonged or repeated exposure.
- Precautionary Statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
- Response:**  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.
- Storage:**  
P405 Store locked up.
- Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

# SAFETY DATA SHEET

## WESTON® TLP

Version 1.1      Revision Date: 2019/03/31      SDS Number: 400000003701      Country : US  
Language: Z8

Chemical nature : Polymer stabilizer

### Hazardous ingredients

Chemical name	CAS-No.	Concentration (% w/w)
tridodecyl phosphite	3076-63-9	>= 70 - < 90
Phenol	108-95-2	>= 1 - < 5

The exact percentage concentrations of components are being withheld as a trade secret in accordance with paragraph (i) of §1910.120

### SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this material safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.  
If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.  
If symptoms persist, call a physician.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
Obtain medical attention.
- Most important symptoms and effects, both acute and delayed : Irritation  
Allergic reactions
- Notes to physician : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

### SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Further information : Standard procedure for chemical fires.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

# SAFETY DATA SHEET



## WESTON® TLP

Version 1.1      Revision Date: 2019/03/31      SDS Number: 400000003701      Country : US  
Language: Z8

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment. Ensure adequate ventilation.
- Environmental precautions : Try to prevent the material from entering drains or water courses.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

### SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Avoid exceeding the given occupational exposure limits (see section 8).  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

##### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Phenol	108-95-2	TWA	5 ppm	ACGIH
		TWA	5 ppm 19 mg/m <sup>3</sup>	OSHA Z-1
		TWA	5 ppm 19 mg/m <sup>3</sup>	OSHA P0
		TWA	5 ppm 19 mg/m <sup>3</sup>	NIOSH REL
		C	15.6 ppm 60 mg/m <sup>3</sup>	NIOSH REL

# SAFETY DATA SHEET

## WESTON® TLP



Version 1.1      Revision Date: 2019/03/31      SDS Number: 400000003701      Country : US  
Language: Z8

### Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
Phenol	108-95-2	phenol	Urine	End of shift (As soon as possible after exposure ceases)	250 mg/g Creatinine	ACGIH BEI

### Exposure controls

#### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Remarks : Polyvinyl alcohol or nitrile- butyl-rubber gloves Before removing gloves clean them with soap and water.

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles

Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : colorless

Odor : mild

Odor Threshold : No data available

pH : No data available

Solidification point : No data available

Boiling point/boiling range : No data available

# SAFETY DATA SHEET

## WESTON® TLP



Version 1.1      Revision Date: 2019/03/31      SDS Number: 400000003701      Country : US  
Language: Z8

---

Flash point : 166 °C  
Method: ASTM D 93

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapor pressure : 1.33 - 13.33 hPa

Relative vapor density : No data available

Relative density : No data available

Density : 0.88 g/cm<sup>3</sup>

Solubility(ies)  
Water solubility : insoluble, hydrolyzes

Solubility in other solvents : Solvent: Organic solvents

Partition coefficient: n-octanol/water : No data available

Autoignition temperature : No data available

Decomposition temperature : No data available

Viscosity  
Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Explosive properties : No data available

Oxidizing properties : No data available

Surface tension : No data available

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable under recommended storage conditions.

Chemical stability : No decomposition if stored and applied as directed.

Conditions to avoid : No data available

# SAFETY DATA SHEET

## WESTON® TLP

Version 1.1      Revision Date: 2019/03/31      SDS Number: 400000003701      Country : US  
Language: Z8

---

Incompatible materials : Strong acids and strong bases.Strong oxidizing agents  
Hazardous decomposition products : No hazardous decomposition products are known.

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### **Product:**

Acute oral toxicity : LD50 (Rat): > 5 g/kg  
Remarks: Test results are based on analogy with a similar material.

Acute inhalation toxicity : Acute toxicity estimate: > 200 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor  
Method: Calculation method

Acute dermal toxicity : LD50 (Rabbit):> 2 g/kg  
Remarks: Test results are based on analogy with a similar material.

##### **Components:**

##### **Phenol:**

Acute oral toxicity : LD50 (Rat): 340 mg/kg

Acute inhalation toxicity : LC50 (Rat): 310 - 316 mg/l

Acute dermal toxicity : LD50 (Rabbit):850 mg/kg

#### Skin corrosion/irritation

##### **Product:**

Remarks: May cause skin irritation and/or dermatitis.

##### **Components:**

##### **tridodecyl phosphite:**

Result: Irritating to skin.

#### Serious eye damage/eye irritation

##### **Product:**

Remarks: Vapors may cause irritation to the eyes, respiratory system and the skin.

##### **Components:**

# SAFETY DATA SHEET

## WESTON® TLP



Version 1.1      Revision Date: 2019/03/31      SDS Number: 400000003701      Country : US  
Language: Z8

---

### tridodecyl phosphite:

Result: Irritating to eyes.

### Respiratory or skin sensitization

#### Product:

Remarks: No data available

### Carcinogenicity

#### IARC

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

#### NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### STOT-single exposure

#### Components:

#### tridodecyl phosphite:

Assessment: May cause respiratory irritation.

### Further information

#### Product:

Remarks: No data available

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

Toxicity to fish : LC50: > 100 mg/l  
Remarks: Not classified due to data which are conclusive although insufficient for classification.

Toxicity to daphnia and other aquatic invertebrates : EC50: > 100 mg/l  
Exposure time: 48 h  
Remarks: Not classified due to data which are conclusive although insufficient for classification.

Toxicity to algae : NOEC: > 100 mg/l  
Exposure time: 72 h  
Remarks: Not classified due to data which are conclusive although insufficient for classification.

# SAFETY DATA SHEET

## WESTON® TLP



Version 1.1      Revision Date: 2019/03/31      SDS Number: 400000003701      Country : US  
Language: Z8

---

Toxicity to microorganisms : EC50: > 1,000 mg/l  
Exposure time: 3 h  
Remarks: Not classified due to data which are conclusive although insufficient for classification.

### **Components:**

#### **Phenol:**

Toxicity to fish : LC50 (Fish): 5 - 12 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia): 7.5 - 100 mg/l

Toxicity to microorganisms : EC10 (Bacteria): 10 - 30,000 mg/l

#### **Persistence and degradability**

No data available

#### **Bioaccumulative potential**

### **Components:**

#### **Phenol:**

Partition coefficient: n-octanol/water : log Pow: 1.5

#### **Mobility in soil**

No data available

#### **Other adverse effects**

### **Product:**

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82  
Protection of Stratospheric Ozone - CAA Section 602 Class I  
Substances  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : There is no data available for this product.

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## SECTION 13. DISPOSAL CONSIDERATIONS

### **Disposal methods**

Waste from residues : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Offer surplus and non-recyclable solutions to a licensed

# SAFETY DATA SHEET

## WESTON® TLP



Version 1.1      Revision Date: 2019/03/31      SDS Number: 400000003701      Country : US  
Language: Z8

disposal company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### Domestic regulation

##### 49 CFR

Not regulated as a dangerous good

#### Special precautions for user

Not applicable

### SECTION 15. REGULATORY INFORMATION

**SARA 302** : The following components are subject to reporting levels established by SARA Title III, Section 302:

Phenol	108-95-2	1 %
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**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

Phenol	108-95-2	1 %
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#### Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

Phenol	108-95-2	1 %
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This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

Phenol	108-95-2	1 %
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#### Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

# SAFETY DATA SHEET



## WESTON® TLP

Version 1.1      Revision Date: 2019/03/31      SDS Number: 400000003701      Country : US  
Language: Z8

Phenol      108-95-2      1 %  
The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

Phenol      108-95-2      1 %  
This product contains the following toxic pollutants listed under the U.S. Clean Water Act Section 307

Phenol      108-95-2      1 %

### US State Regulations

#### Massachusetts Right To Know

Phenol      108-95-2

#### Pennsylvania Right To Know

tridodecyl phosphite      3076-63-9  
Phenol      108-95-2  
C12 - C18 Alcohol      Not Assigned

#### New Jersey Right To Know

didodecyl phosphonate      21302-09-0  
tridodecyl phosphite      3076-63-9  
Phenol      108-95-2  
C12 - C18 Alcohol      Not Assigned

#### California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

### The ingredients of this product are reported in the following inventories:

REACH : Not in compliance with the inventory  
TSCA : On TSCA Inventory  
AICS : On the inventory, or in compliance with the inventory  
NZIoC : On the inventory, or in compliance with the inventory  
ENCS : Not in compliance with the inventory  
KECI : On the inventory, or in compliance with the inventory  
PICCS : Not in compliance with the inventory  
IECSC : On the inventory, or in compliance with the inventory  
ISHL : Not in compliance with the inventory  
CH INV : The mixture contains substances listed on the Swiss Inventory, On the inventory, or in compliance with the inventory  
TCSI : Not in compliance with the inventory

### TSCA list

# SAFETY DATA SHEET



## WESTON® TLP

Version      Revision Date:      SDS Number:      Country : US  
1.1            2019/03/31            400000003701      Language: Z8

---

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

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### SECTION 16. OTHER INFORMATION

#### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

# SAFETY DATA SHEET



## WESTON® TLP

Version 1.1      Revision Date: 2019/03/31      SDS Number: 400000003701      Country : US  
Language: Z8

### Further information

#### NFPA:

Flammability: 1  
Health: 2  
Instability: 0

Special hazard.

#### HMIS® IV:

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Revision Date : 2019/03/31

<\*\* Phrase language not available: [ Z8 ] CUST - 100000000012264 \*\*>

US / Z8

### Carechem24 International Worldwide Coverage

#### Emergency Phone Numbers:

<u>Europe:</u>	All European Countries	+44 (0) 1235 239 670
<u>Asia Pacific:</u>	East / South East Asia	Regional Number : +65 3158 1074
	Australia	+61 2801 44558
	New Zealand	+64 9929 1483
	China Taiwan	+86 10 5100 3039
	Japan	+81 345 789 341
	Indonesia	00780 3011 0293
	:Malaysia	+60 3 6207 4347
	Thailand	001800 1 2066 6751
	Korea	+65 3158 1285
	Vietnam	+65 3158 1255
	India	+65 3158 1198
	Pakistan	+65 3158 1329
	Philippines	+65 31581203
	Sri Lanka	+65 3158 1195
	Bangladesh	+65 3158 1200
<u>Middle East / Africa:</u>	Arabic speaking countries	+44 (0) 1235 239 671
	All other countries	+44 (0) 1235 239 670

# SAFETY DATA SHEET



## WESTON® TLP

Version      Revision Date:      SDS Number:      Country : US  
1.1          2019/03/31          400000003701      Language: Z8

---

<u>America</u>	United States / Canada	001866 928 0789
<u>Latin America:</u>	Brazil	+55 113 711 9144
	All other countries	+44 (0) 1235 239 670
	Mexico	+52 555 004 8763