

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name	WESTCO SL-1805
Product description:	para-tert-octylphenol formaldehyde resin
CAS No.:	26678-93-3

Other means of identification

No information available

Recommended use of the chemical and restrictions on use

Recommended Use	Rubber industry
Uses advised against	No information available

Details of the supplier of the safety data sheet

Supplier	Western Reserve Chemicals
Address	4837 Darrow Road Stow, OH 44224 USA
Phone	330-650-2244
FAX	330-650-2255
Website	www.wrchem.com

Emergency telephone number

Chemtrec: 1-800-424-9300 US

2. HAZARDS IDENTIFICATION

GHS Classification of the substance or mixture in accordance with 29 CFR 1910.1200

Serious eye damage/eye irritation Category 1

Label elements

Symbols/Pictograms



Signal word	Danger
Hazard Statements	H318 - Causes serious eye damage
Precautionary Statements	

Prevention Wear protective gloves/protective clothing/eye protection/face protection
 Response IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 Immediately call a poison center/doctor
 Storage -
 Disposal -

Hazards not otherwise classified (HNOC)
 Toxic to aquatic life with long lasting effects

Unknown acute toxicity
 No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical nature</u>		Mixture	
Chemical Name	CAS No	Weight-%	
Polymer of p-t-octylphenol and formaldehyde	26678-93-3	≥98.9	
p-t-octylphenol	140-66-9	≤1.0	
Formaldehyde	50-00-0	<0.1	

4. FIRST AID MEASURES

Description of first aid measures

General advice Remove contaminated clothing and shoes. If symptoms persist, call a physician.
 Inhalation IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing has stopped, give artificial respiration. Get medical attention immediately.
 Skin Contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.
 Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
 Ingestion Rinse mouth. Get medical attention. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed
 Causes serious eye irritation.

Indication of any immediate medical attention and special treatment needed
 Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
 Unsuitable extinguishing media Water.

Specific hazards arising from the chemical
 Thermal decomposition can lead to release of irritating and toxic gases and vapors

Protective equipment and precautions for firefighters
 As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes and inhalation of vapors. Use personal protection recommended in Section 8.

Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Contaminated work clothing should not be allowed out of the workplace. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove all sources of ignition. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat. Keep locked up and out of reach of children. Keep away from food, drink and animal feeding stuffs. Store in accordance with local regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	Denmark	European Union
Formaldehyde (CAS #: 50-00-0)	Ceiling: 0.3 ppm	TWA: 0.75 ppm (vacated) TWA: 3 ppm unless specified in 1910.1048 (vacated) STEL: 10 ppm 30 min unless specified in 1910.1048 (vacated) Ceiling: 5 ppm unless specified in 1910.1048 STEL: 2 ppm see 29 CFR 1910.1048	IDLH: 20 ppm Ceiling: 0.1 ppm 15 min TWA: 0.016 ppm	Ceiling: 0.3 ppm Ceiling: 0.4 mg/m ³	-

Chemical Name	Latvia	France	Finland	Germany	Italy
Formaldehyde (CAS #: 50-00-0)	TWA: 0.5 mg/m ³	TWA: 0.5 ppm STEL: 1 ppm	TWA: 0.3 ppm TWA: 0.37 mg/m ³ STEL: 1 ppm STEL: 1.2 mg/m ³ Ceiling: 1 ppm Ceiling: 1.2 mg/m ³	TWA: 0.3 ppm TWA: 0.37 mg/m ³ Ceiling / Peak: 0.6 ppm Ceiling / Peak: 0.74 mg/m ³ Skin	-

Chemical Name	Poland	Portugal	Spain	Switzerland	Netherlands
Formaldehyde (CAS #: 50-00-0)	STEL: 1 mg/m ³ TWA: 0.5 mg/m ³	Ceiling: 0.3 ppm	STEL: 0.3 ppm STEL: 0.37 mg/m ³	STEL: 0.6 ppm STEL: 0.74 mg/m ³ TWA: 0.3 ppm TWA: 0.37 mg/m ³	STEL: 0.5 mg/m ³ TWA: 0.15 mg/m ³

Chemical Name	Norway	United Kingdom	Australia	Austria	Belgium
Formaldehyde (CAS #: 50-00-0)	TWA: 0.5 ppm TWA: 0.6 mg/m ³ Ceiling: 1 ppm Ceiling: 1.2 mg/m ³ STEL: 0.5 ppm STEL: 0.6 mg/m ³	STEL: 2 ppm STEL: 2.5 mg/m ³ TWA: 2 ppm TWA: 2.5 mg/m ³	1 ppm 1.2 mg/m ³ 2 ppm STEL 2.5 mg/m ³ STEL	Skin STEL 0.5 ppm STEL 0.6 mg/m ³ TWA: 0.5 ppm TWA: 0.6 mg/m ³ Ceiling 0.5 ppm Ceiling 0.6 mg/m ³	-

Appropriate engineering controls

Ventilation systems.

Individual protection measures, such as personal protective equipment

Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hand Protection	Wear protective gloves.
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Solid
Color	White to yellowish pastilles
Odor	No information available
Odor Threshold	Not determined
pH	Not determined
Melting point/freezing point	120-140°C
Boiling point / boiling range	Not determined
Flash point	Not determined
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Flammability Limit in Air	Not determined
Vapor Pressure	Not applicable
Vapor density	Not determined
Density	Not determined
Relative density	Not determined
Bulk density	Not determined
Specific gravity	Not determined
Water solubility	soluble in acetone/THF/organic solvents
Partition coefficient (LogPow)	Not determined
Autoignition temperature	Not determined
Decomposition temperature	Not determined
Kinematic viscosity	Not determined
Dynamic viscosity	Not determined
Explosive properties	Not an explosive
Oxidizing properties	Not determined

Other information

No information available

10. STABILITY AND REACTIVITY

Reactivity

Stable under recommended storage and handling conditions (see SECTION 7, handling and storage).

Chemical stability

Stable under normal conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials

Strong acid.

Hazardous Decomposition Products

Complete combustion yields carbon dioxide and water.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	Inhalation of vapors in high concentration may cause irritation of respiratory system.
Eye contact	Contact with eyes may cause irritation.
Skin Contact	Substance may cause slight skin irritation.
Ingestion	Ingestion may cause irritation to mucous membranes

Information on toxicological effects

Acute toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
p-t-octylphenol (CAS #: 140-66-9)	= 4600 mg/kg (Rat)	= 1880 mg/kg (Rabbit)	-
Formaldehyde (CAS #: 50-00-0)	= 800 mg/kg bw (male)	= 270 mg/kg (Rabbit)	= 31.7 ppm (male) 10 min

Skin corrosion/irritation

No information available

Serious eye damage/eye irritation

Severely irritating to eyes

Sensitization

No information available

Germ cell mutagenicity

No information available

Carcinogenicity

Chemical Name	ACGIH	IARC	NTP	OSHA
Formaldehyde (CAS #: 50-00-0)	A2	Group 1	Known	X

Reproductive toxicity

No information available

STOT - single exposure

No information available

STOT - repeated exposure

No information available

Aspiration hazard

No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Algae/aquatic plants EC50	Fish LC50	Crustacea EC50
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p-t-octylphenol (CAS #: 140-66-9)	1.1: 72 h Desmodosmus subspicatus mg/L EC50 1.9: 96 h Pseudokirchneriella subcapitata mg/L EC50	0.25: 96 h Pimephales promelas mg/L LC50 flow-through 1.5 - 2.2: 96 h Leuciscus idus mg/L LC50 static	-
Formaldehyde (CAS #: 50-00-0)	3.48 : 72h Scenedesmus subspicatus mg/L (Basis for effect : biomass) 4.89 : 72h Scenedesmus subspicatus mg/L(Basis for effect: grow rate)	31.8: 24 h Morone saxatilis mg/L 11.8: 48 h Morone saxatilis mg/L 6.7: 96 h Morone saxatilis mg/L	5.8 : 48 h Daphnia pulex mg/L

Persistence and degradability

No information available

Bioaccumulative potential

Chemical Name	Partition coefficient (LogPow)
p-t-octylphenol (CAS #: 140-66-9)	4.12
Formaldehyde (CAS #: 50-00-0)	0.35

Mobility in soil

No information available

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations

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

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Formaldehyde 50-00-0	U122	Included in waste streams: K009, K010, K038, K040, K156, K157	-	U122
Chemical Name	California Hazardous Waste Status			
Formaldehyde 50-00-0	Toxic Ignitable			

14. TRANSPORT INFORMATION

Rail transport

UN/ID No. Not regulated
 Proper shipping name Not regulated
 Hazard Class Not regulated
 Packing Group Not regulated
 Special precautions No information available
 Marine pollutant Not applicable

Sea transport (IMDG-Code/GGVSee)

UN/ID No. Not regulated
 Proper shipping name Not regulated
 Hazard Class Not regulated
 Packing Group Not regulated
 Special precautions No information available
 Marine pollutant Not applicable

Air transport (ICAO-TI/IATA-DGR)

UN/ID No.	Not regulated
Proper shipping name	Not regulated
Hazard Class	Not regulated
Packing Group	Not regulated
Special precautions	No information available
Marine pollutant	Not applicable

15. REGULATORY INFORMATION**International Inventories**

Component	AICS	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	TSCA
Polymer of p-t-octylphenol and formaldehyde (≥96)	X	X	-	X	X	X	X	X
p-t-octylphenol 140-66-9 (≤4.0)	X	X	X	X	X	X	X	X
Formaldehyde 50-00-0 (<0.1)	X	X	X	X	X	X	X	X

"- " Not Listed

"X" Listed

US Federal Regulations**SARA 313**

Chemical Name	SARA 313 - Threshold Values %
Formaldehyde - 50-00-0	0.1

SARA 311/312 Hazard Categories

Not applicable

CWA (Clean Water Act)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Formaldehyde 50-00-0	100 lb	-	-	X

CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Formaldehyde 50-00-0	100 lb	100 lb	RQ 100 lb final RQ RQ 45.4 kg final RQ

US State Regulations**California Proposition 65**

Chemical Name	California Proposition 65
Formaldehyde - 50-00-0	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Formaldehyde 50-00-0	X	X	X

16. OTHER INFORMATION**Revision Note**

Issue Date	8-15-2022
Version #	01

Key or legend to abbreviations and acronyms used in the safety data sheet

TWA - TWA (time-weighted average)

STEL - STEL (Short Term Exposure Limit)

Ceiling - Maximum limit value

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

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