

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Mixture
Trade Names	TPTH 4L
CAS No.	Mixture
EPA Identification Number	60063-XX

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	Restricted Use Pesticide (Certified Applicators Only)
Uses Advised Against	It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Details of the supplier of the safety data sheet

Company Identification	Sipcam Agro USA, Inc. 2525 Meridian Parkway Durham, NC 27713 United States of America
Telephone	(919) 226-1195

Emergency telephone number

Emergency Phone No.	CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)
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SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)	Acute Tox. 3; Eye Dam. 1; Skin Irrit. 2; Carc. 2; Repr. 2; STOT SE 3; STOT RE 1
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Label elements

This is a pesticide product registered with the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS) and for workplace labels of non pesticide chemicals. The labeling information below applies to non-pesticide workplace labels. For pesticide label information, refer to Section 15.

Hazard Symbol(s)



Signal Word(s)

DANGER

Hazard Statement(s)

Toxic if inhaled (Aerosol or mist formation). Toxic if swallowed.
 Causes serious eye damage.
 Causes skin irritation.
 Suspected of causing cancer.
 Suspected of damaging the unborn child.
 May cause respiratory irritation (Aerosol or mist formation)
 Causes damage to organs through prolonged or repeated exposure: Liver, Blood, Immune system, Endocrine system, Spleen, Pituitary gland, testicles.

TPTH 4L

Precautionary Statement(s)

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/protective clothing/eye protection/face protection.

Do not breathe spray/mists.

Do not eat, drink or smoke when using this product.

Use of high-pressure spray may cause toxic aerosols. Use only outdoors or in a well-ventilated area.

In case of inadequate ventilation wear respiratory protection.

Wash hands and exposed skin after use.

Contaminated work clothing should not be allowed out of the workplace.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. If breathing is laboured, administer oxygen. Call a POISON CENTER/doctor if you feel unwell. Treat symptomatically.

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. Do not give anything by mouth to an unconscious person. Treat symptomatically.

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

Other hazards

Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Additional Information

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition/information on ingredients	%W/W	CAS No.	Hazard Statement(s)
Triphenyltin hydroxide	~ 40	76-87-9	Acute Tox. 2; H300 Acute Tox. 3; H311, H331 Skin Irrit. 2; H315 Eye Dam. 1; H318 Carc. 2; H351 Repr. 2; H361 STOT-SE 3; H335 STOT-RE 1; H372 Aquatic Acute 1; H400 Aquatic Chronic 1; H410

Additional Information – None

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation

Remove person to fresh air and keep comfortable for breathing. If breathing is laboured, administer oxygen. Call a POISON CENTER/doctor if you feel unwell. Treat symptomatically.

Skin Contact	Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
Ingestion	Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. Do not give anything by mouth to an unconscious person. Treat symptomatically.
Most important symptoms and effects, both acute and delayed	Toxic if inhaled (Aerosol or mist formation). Causes serious eye damage.
Indication of any immediate medical attention and special treatment needed	IF INHALED: Immediately call a POISON CENTER or doctor/physician.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

- Suitable Extinguishing Media
- Unsuitable Extinguishing Media

Extinguish with carbon dioxide, dry chemical, foam or water spray. Do not use water jet.

Special hazards arising from the substance or mixture

Combustion or thermal decomposition will evolve toxic and irritant vapours. Forms oxides of carbon and tin. Decontaminate equipment or materials used in pesticide fires.

Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Do not get in eyes. Avoid contact with skin. Do not breathe spray/mists. Wear protective gloves/protective clothing/eye protection/face protection. Observe directions on label and instructions for use. See Also Section 15.

Environmental precautions

Prevent substance entering sewers. Observe directions on label and instructions for use. See Also Section 15.

Methods and material for containment and cleaning up

Cover spills with inert absorbent material. Transfer to a container for disposal or recovery. Collect spillage. Wash the spillage area with water. If possible prevent water running into sewers.

Reference to other sections

Observe directions on label and instructions for use. See Also Section 15.

Additional Information

None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Do not handle until all safety precautions have been read and understood. Do not get in eyes. Avoid contact with skin. Do not breathe spray/mists. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection. Contaminated work clothing should not be allowed out of the workplace. Observe directions on label and instructions for use. See Also Section 15.

Conditions for safe storage, including any incompatibilities

- Storage temperature
- Incompatible materials

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. Strong oxidizing agents or reducing agents. Strong acids / bases.

Specific end use(s)

Restricted Use Pesticide (Certified Applicators Only)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Tin, organic compounds, as Sn	-----	-----	0.1 mg/m ³	-----	0.2 mg/m ³	-----

Exposure controls

Appropriate engineering controls

Do **NOT** aerosolize or atomize to produce inhalable-size particles. Use low-pressure course spray only.

Personal protection equipment

Eye/face protection



Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/ Other)



Gloves (PVC, Neoprene, or Natural rubber).

Respiratory protection



Not normally required. Do not breathe spray/mists.

Thermal hazards

Not normally required.

Environmental Exposure Controls

Do not allow to enter drains, sewers or watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Color.	Beige
Odor	Solvent-like
Odor Threshold (ppm)	Not available.
pH (Value)	5.39 (1% soln.)
Melting Point/Freezing Point (C)	Not available
Boiling point/boiling range (°C)	Not available
Flash Point (°C)	Not available
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Explosive Limit Ranges	Not applicable
Vapour Pressure (Torr)	Not available
Vapour Density (Air=1)	Not available
Density (g/ml)	1.14
Solubility (Water)	Not available
Solubility (Other)	Not available

Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	Not available
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	930.8 @ 40 °C
Explosive properties	Not explosive
Oxidizing properties	Not available
Other information	Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Avoid contact with heat and ignition sources.
Incompatible materials	Strong oxidizing agents or reducing agents. Strong acids / bases.
Hazardous decomposition product(s)	Combustion or thermal decomposition will evolve toxic and irritant vapours: acrid smoke. Forms oxides of carbon and tin.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Information on toxicological effects

Substances

Not applicable

Mixtures

Acute toxicity	Oral: LD50 ~250 mg/kg-bw (rat) Dermal: LD50 ≥ 2000 mg/kg-bw (rat) Inhalation: LC50 >0.29 <1.196 mg/L (rat)
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitization	It is not a skin sensitiser in animal tests.
Germ cell mutagenicity	Not available.
Carcinogenicity	Not available.
Reproductive toxicity	Not available.
STOT - single exposure	Not available.
STOT - repeated exposure	Not available.
Aspiration hazard	Not available.

Substances in preparations / mixtures

Triphenyltin hydroxide (CAS# 76-87-9):

Acute toxicity	Oral: LD50 = 156 mg/kg-bw (rat) Dermal: LD50 = 1600 mg/kg-bw (rat) Inhalation: LC50 = 0.063 mg/L (4 hr) (rat) (Inhalable Dust) - May cause respiratory irritation
Irritation/Corrosivity	Causes serious eye damage. Causes skin irritation.
Sensitization	Not to be expected.
Repeated dose toxicity	Causes damage to organs through prolonged or repeated exposure: Liver, Blood, Immune system, Endocrine system, Spleen, Pituitary gland, testicles.
Carcinogenicity	Suspected of causing cancer.

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NTP	IARC	ACGIH	OSHA
No.	No.	No.	No.

Mutagenicity
Reproductive toxicity

Not to be expected.
Suspected of damaging the unborn child.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Triphenyltin hydroxide (CAS# 76-87-9):

Short term

LC50 (96 hour): 0.0015 mg/L (*Pimephales promelas*)
EC50 (48 hour): 0.01 mg/L (*Daphnia magna*).
EC50 (96 hour): 0.014 mg/L (*Pseudokirchneriella subcapitata*)

Long Term

Very toxic to aquatic life with long lasting effects.

Persistence and degradability

Part of the components are poorly biodegradable.

Bioaccumulative potential

Not determined.

Mobility in soil

Not determined.

Results of PBT and vPvB assessment

Not classified as PBT.

Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

Additional Information

None known.

SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT) *	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	UN 3020	UN 3020	UN 3020
Proper Shipping Name	Organotin pesticide, liquid, toxic (Triphenyltin hydroxide)	Organotin pesticide, liquid, toxic (Triphenyltin hydroxide)	Organotin pesticide, liquid, toxic (Triphenyltin hydroxide)
Transport hazard class(es)	6.1	6.1	6.1
Packing group	III	III	III
Hazard label(s)	Poison	Poison	Poison
Environmental hazards	Marine Pollutant	Marine Pollutant	Yes
Special precautions for user	None Assigned	None Assigned	None Assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: This is a registered pesticide product regulated under Federal Insecticide, Fungicide, and Rodenticide Act and, therefore, the components of this product are not subject to listing on the TSCA inventory.

EPA FIFRA Information for SDS Section 15 (Regulatory Information):

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information

required for safety data sheets (SDS), and for workplace labels of non pesticide chemicals.

The hazard information required on the pesticide label is reproduced below:

To Be Determined

The pesticide label also includes other important information, including directions for use.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	-----	-----	-----

SARA 311/312 - Hazard Categories: Refer to SECTION 2 – HAZARDS IDENTIFICATION

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
Tributyltin hydroxide	76-87-9	20 - 23

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)	TPQ (Pounds)
None	-----	-----	-----	-----

Proposition 65 (California):

Chemical Name	CAS No.	Typical %wt.	Hazards
Tributyltin hydroxide	76-87-9	~ 40	Cancer, developmental

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1 - 16.

Date of preparation: January 30, 2022

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

Hazard Statement(s)

- H300: Fatal if swallowed.
- H311: Toxic in contact with skin.
- H315: Causes skin irritation.
- H318: Causes serious eye damage.
- H331: Toxic if inhaled.
- H335: May cause respiratory irritation.
- H351: Suspected of causing cancer.
- H361d: Suspected of damaging the unborn child.
- H372: Causes damage to organs through prolonged or repeated exposure.
- H400: Very toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.

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