



# TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ) 50 UG/ML IN DIOXANE

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Issue date: 9/30/2014 Revision date: 2/3/2023 Supersedes: 9/30/2014 Version: 2.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ) 50 UG/ML IN DIOXANE  
Product code : CLM-9535-S

#### 1.2. Recommended use and restrictions on use

No additional information available

#### 1.3. Supplier

Cambridge Isotope Laboratories, Inc.  
50 Frontage Rd  
01810  
ANDOVER, MA, 01810  
USA  
T 1-800-322-1174  
[cilsales@isotope.com](mailto:cilsales@isotope.com) - [www.isotope.com](http://www.isotope.com)

#### 1.4. Emergency telephone number

Emergency number : 1-703-741-5970  
Chemtrec 1-800-424-9300 24 hours

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Flammable liquids Category 2	H225	Highly flammable liquid and vapor
Serious eye damage/eye irritation Category 2	H319	Causes serious eye irritation
Carcinogenicity Category 2	H351	Suspected of causing cancer
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335	May cause respiratory irritation

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger

Hazard statements (GHS US) : H225 - Highly flammable liquid and vapor  
H319 - Causes serious eye irritation  
H335 - May cause respiratory irritation  
H351 - Suspected of causing cancer

Precautionary statements (GHS US) : P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.

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P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 - Keep container tightly closed.

P240 - Ground/Bond container and receiving equipment.

P241 - Use explosion-proof electrical/ventilating/lighting equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 - Wash hands, forearms and face thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.

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.

P312 - Call a poison center or doctor if you feel unwell.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P370+P378 - In case of fire: Use media other than water to extinguish.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P403+P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
1,4-DIOXANE (P-DIOXANE) UNLABELED	CAS-No.: 123-91-1	99.9952	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 Carc. 2, H351 STOT SE 3, H335
TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ)	CAS-No.: 25713-60-4 (Unlabeled)	0.0048	Not classified

Full text of hazard classes and H-statements : see section 16

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### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
First-aid measures after inhalation	: If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.
First-aid measures after skin contact	: Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
First-aid measures after eye contact	: Flush eye with water for 15 minutes. Get medical attention.
First-aid measures after ingestion	: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### 4.2. Most important symptoms and effects (acute and delayed)

Potential Adverse human health effects and symptoms	: Nausea. Vomiting. Weakness. Dizziness. Vertigo. Headache. Sweating. Loss of appetite. Kidney injury may occur. Liver injury may occur. This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. Liver - Irregularities - Based on Human Evidence.
Symptoms/effects	: Suspected of causing cancer.
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: May be harmful if absorbed through the skin. Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: May be harmful if swallowed.

#### 4.3. Immediate medical attention and special treatment, if necessary

No additional information available

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: For small fires, use media such as "alcohol" foam, dry chemical or carbon dioxide.
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#### 5.2. Specific hazards arising from the chemical

Fire hazard	: Highly flammable liquid and vapor.
Explosion hazard	: May form flammable/explosive vapor-air mixture.
Hazardous decomposition products in case of fire	: Carbon oxides (CO, CO <sub>2</sub> ).

#### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Use water spray to cool unopened containers.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Use water spray to cool unopened containers.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.
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### 6.1.1. For non-emergency personnel

Emergency procedures : Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

### 6.1.2. For emergency responders

No additional information available

## 6.2. Environmental precautions

Prevent entry to sewers and public waters. Do not allow to enter drains or water courses. Avoid release to the environment.

## 6.3. Methods and material for containment and cleaning up

For containment : Clean up any spills as soon as possible, using an absorbent material to collect it. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal.

Methods for cleaning up : This material and its container must be disposed of in a safe way, and as per local legislation.

## 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapors are flammable.  
Precautions for safe handling : No open flames. No smoking. Use only non-sparking tools. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area.  
Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical equipment.  
Storage conditions : Store at room temperature away from light and moisture.  
Incompatible materials : Heat sources.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ) 50 UG/ML IN DIOXANE

##### USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA [ppm]	20 ppm Liver damage. Confirmed animal carcinogen with unknown relevance to humans.
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#### 1,4-DIOXANE (P-DIOXANE) UNLABELED (123-91-1)

##### USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA [ppm]	20 ppm Liver damage. Confirmed animal carcinogen with unknown relevance to humans. Danger of cutaneous absorption.
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# TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ) 50 UG/ML IN DIOXANE

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### 1,4-DIOXANE (P-DIOXANE) UNLABELED (123-91-1)

#### USA - OSHA - Occupational Exposure Limits

OSHA PEL TWA [1]	90 mg/m <sup>3</sup> Skin notation.
OSHA PEL TWA [2]	25 ppm Skin notation.
Remark (OSHA)	TWA 100 ppm; 360 mg/m <sup>3</sup> Skin Designation. The value in mg/m <sup>3</sup> is approximate.

#### USA - NIOSH - Occupational Exposure Limits

NIOSH REL C	3.6 mg/m <sup>3</sup> Potential Occupational Carcinogen. 30 minute ceiling value.
NIOSH REL C [ppm]	1 ppm Potential Occupational Carcinogen. 30 minute ceiling value.

### TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ) (25713-60-4 (Unlabeled))

#### USA - ACGIH - Occupational Exposure Limits

ACGIH chemical category	No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.
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## 8.2. Appropriate engineering controls

No additional information available

## 8.3. Individual protection measures/Personal protective equipment

### Personal protective equipment:

Safety glasses. Gloves. Protective clothing. Respiratory protection of the dependent type.

#### Hand protection:

protective gloves

#### Eye protection:

Wear safety glasses with side shields (or goggles) and a face shield.

#### Skin and body protection:

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

#### Respiratory protection:

When appropriate, use NIOSH/CEN approved respirator.

### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Color	: Colorless
Odor	: No data available
Odor threshold	: No data available

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pH	: 6 – 8 at 500 g/l at 20 °C (68 °F)
Melting point	: 10 – 12 °C (50 -54 °F) - lit.
Freezing point	: No data available
Boiling point	: 100 – 102 °C (212 - 216 °F) - lit.
Flash point	: 12 °C (54 °F) - closed cup
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: 36 hPa (27 mmHg) at 20 °C (68 °F), 53 hPa (40 mmHg) at 25.20 °C (77.36 °F)
Relative vapor density at 20°C	: 3.04 - (Air = 1.0)
Relative density	: No data available
Density	: 1.03 g/ml at 25 °C (77 °F)
Molecular mass	: 88.11 g/mol
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: -0.27
Auto-ignition temperature	: 375 °C (707 °F)
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: 2 – 22 % (V)
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Vapors may form explosive mixture with air.

### 10.2. Chemical stability

See storage and expiration date on CoA.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Heat, flames and sparks. Extremes of temperature and direct sunlight.

### 10.5. Incompatible materials

Oxygen. Oxidizing agent. Halogens. Reducing agents. Percholates. Trimethylaluminum.

### 10.6. Hazardous decomposition products

carbon oxides.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified

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Acute toxicity (inhalation) : Not classified

TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ) 50 UG/ML IN DIOXANE	
LD50 oral rat	4200 mg/kg
LD50 dermal rabbit	7858 mg/kg
LC50 Inhalation - Rat	46000 mg/m <sup>3</sup> 2 h - Sense Organs and Special Senses (Nose, Eye, Ear and Taste)
ATE US (oral)	4200 mg/kg body weight
ATE US (dermal)	7858 mg/kg body weight
ATE US (vapors)	46 mg/l/4h
ATE US (dust, mist)	46 mg/l/4h

1,4-DIOXANE (P-DIOXANE) UNLABELED (123-91-1)	
LD50 oral rat	4200 mg/kg
LD50 dermal rabbit	7858 mg/kg
LC50 Inhalation - Rat	46000 mg/m <sup>3</sup> 2 h - Sense Organs and Special Senses (Nose, Eye, Ear and Taste): Eye: Other.
ATE US (oral)	4200 mg/kg body weight
ATE US (dermal)	7858 mg/kg body weight
ATE US (vapors)	46 mg/l/4h
ATE US (dust, mist)	46 mg/l/4h

TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ) (25713-60-4 (Unlabeled))	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Skin corrosion/irritation : Not classified  
pH: 6 – 8 at 500 g/l at 20 °C (68 °F)

1,4-DIOXANE (P-DIOXANE) UNLABELED (123-91-1)	
pH	6 – 8 at 500 g/l at 20 °C (68 °F)

Serious eye damage/irritation : Causes serious eye irritation.  
pH: 6 – 8 at 500 g/l at 20 °C (68 °F)

1,4-DIOXANE (P-DIOXANE) UNLABELED (123-91-1)	
pH	6 – 8 at 500 g/l at 20 °C (68 °F)

Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Suspected of causing cancer.

TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ) 50 UG/ML IN DIOXANE	
IARC group	2B - Possibly carcinogenic to humans

1,4-DIOXANE (P-DIOXANE) UNLABELED (123-91-1)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen

Reproductive toxicity : Not classified  
STOT-single exposure : May cause respiratory irritation.

# TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ) 50 UG/ML IN DIOXANE

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1,4-DIOXANE (P-DIOXANE) UNLABELED (123-91-1)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Potential Adverse human health effects and symptoms	: Nausea. Vomiting. Weakness. Dizziness. Vertigo. Headache. Sweating. Loss of appetite. Kidney injury may occur. Liver injury may occur. This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. Liver - Irregularities - Based on Human Evidence.
Symptoms/effects	: Suspected of causing cancer.
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: May be harmful if absorbed through the skin. Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: May be harmful if swallowed.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - water : May cause long lasting harmful effects to aquatic life.

TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ) 50 UG/ML IN DIOXANE	
LC50 - Fish [1]	985 mg/l Pimephales promelas (fathead minnow) - 96 h
EC50 - Crustacea [1]	8450 mg/l Daphnia magna (Water flea) - 24 h
ErC50 algae	> 500 mg/l Desmodesmus subspicatus (green algae) - 72 h

1,4-DIOXANE (P-DIOXANE) UNLABELED (123-91-1)	
LC50 - Fish [1]	985 mg/l Pimephales promelas (fathead minnow) - 96 h
EC50 - Crustacea [1]	8450 mg/l Daphnia magna (Water flea) - 24 h
ErC50 algae	> 500 mg/l Desmodesmus subspicatus (green algae) - 72 h

TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ) (25713-60-4 (Unlabeled))	
LC50 - Fish [1]	> 0.013 mg/l Carp-96h
EC50 - Crustacea [1]	> 0.013 mg/l Daphnia magna -48h
ErC50 algae	> 0.013 mg/l Freshwater algae-96 hr growth inhibition

### 12.2. Persistence and degradability

TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ) 50 UG/ML IN DIOXANE	
Persistence and degradability	Biodegradability: Result: < 5 % - Not readily biodegradable.

1,4-DIOXANE (P-DIOXANE) UNLABELED (123-91-1)	
Persistence and degradability	Biodegradability: Result: < 5 % - Not readily biodegradable.

### 12.3. Bioaccumulative potential

TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ) 50 UG/ML IN DIOXANE	
Partition coefficient n-octanol/water (Log Pow)	-0.27



# TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ) 50 UG/ML IN DIOXANE

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TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ) 50 UG/ML IN DIOXANE	
Bioaccumulative potential	Does not bioaccumulate.
1,4-DIOXANE (P-DIOXANE) UNLABELED (123-91-1)	
Partition coefficient n-octanol/water (Log Pow)	-0.27
Bioaccumulative potential	Does not bioaccumulate.
TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ) (25713-60-4 (Unlabeled))	
Partition coefficient n-octanol/water (Log Pow)	13.6

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Other adverse effects : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Regional legislation (waste) : Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.

Waste treatment methods : Burn in a chemical incinerator equipped with an afterburner and a scrubber, but use extra care in ignition as this material may be pyrophoric, highly flammable or explosive. Attention : national and/or local laws and regulations may preclude the use of this method.

Product/Packaging disposal recommendations : Dispose of contents/container to Comply with applicable regulations.

Additional information : Handle empty containers with care because residual vapors are flammable.

Ecology - waste materials : Hazardous waste due to toxicity.

## SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

### 14.1. UN number

DOT NA No : UN1165

UN-No. (TDG) : Not applicable

UN-No. (IMDG) : 1165

UN-No. (IATA) : 1165

### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Dioxane

Proper Shipping Name (TDG) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

### 14.3. Transport hazard class(es)

#### DOT

Transport hazard class(es) (DOT) : 3

Hazard labels (DOT) : 3

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### TDG

Transport hazard class(es) (TDG) : Not applicable

### IMDG

Transport hazard class(es) (IMDG) : 3

### IATA

Transport hazard class(es) (IATA) : 3

## 14.4. Packing group

Packing group (DOT) : II  
Packing group (TDG) : Not applicable  
Packing group (IMDG) : II  
Packing group (IATA) : Not applicable

## 14.5. Environmental hazards

Other information : No supplementary information available.

## 14.6. Special precautions for user

### DOT

UN-No.(DOT) : UN1165  
DOT Special Provisions (49 CFR 172.102) : IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.  
T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)  
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling =  $97 / 1 + a (tr - tf)$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.  
DOT Packaging Exceptions (49 CFR 173.xxx) : 150  
DOT Packaging Non Bulk (49 CFR 173.xxx) : 202  
DOT Packaging Bulk (49 CFR 173.xxx) : 242  
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L  
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L  
DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

### TDG

No data available

### IMDG

MFAG-No : 127

### IATA

No data available

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

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ) 50 UG/ML IN DIOXANE

SARA Section 302 Threshold Planning Quantity (TPQ)	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
1,4-DIOXANE (P-DIOXANE) UNLABELED	123-91-1	Not present	-	
TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ)	25713-60-4 (Unlabeled)	Not present	-	

#### 1,4-DIOXANE (P-DIOXANE) UNLABELED (123-91-1)

SARA Section 302 Threshold Planning Quantity (TPQ)	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard

#### TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ) (25713-60-4 (Unlabeled))

SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
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### 15.2. International regulations

#### CANADA

#### TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ) 50 UG/ML IN DIOXANE

Listed on the Canadian DSL (Domestic Substances List)

#### 1,4-DIOXANE (P-DIOXANE) UNLABELED (123-91-1)

Listed on the Canadian DSL (Domestic Substances List)

#### TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ) (25713-60-4 (Unlabeled))

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

No additional information available

# TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ) 50 UG/ML IN DIOXANE

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### National regulations

#### TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ) 50 UG/ML IN DIOXANE

CAUTION: This material is supplied for research and development purposes subject to the R&D exemption under TSCA, 40 CFR 720.36, and must meet the requirements of the exemption, including supervision by a "technically qualified individual" as defined by 40 CFR 720.3(ee). The use of this material for "commercial purposes" as defined by 40 CFR 720.3(r) is not permitted in the United States.

### 15.3. US State regulations

#### TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ) 50 UG/ML IN DIOXANE

U.S. - California - Proposition 65 - Carcinogens List	Yes
U.S. - California - Proposition 65 - Developmental Toxicity	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Female	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No
State or local regulations	U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

#### 1,4-DIOXANE (P-DIOXANE) UNLABELED (123-91-1)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No		

Component	State or local regulations
1,4-DIOXANE (P-DIOXANE) UNLABELED(123-91-1)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

### SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date

: 02/03/2023

Other information

: This product is not radioactive. The data given for this product are those of the corresponding unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled compounds are generally not available, but are assumed to be similar or identical to the corresponding unlabeled compound.

#### Full text of H-phrases

H225	Highly flammable liquid and vapor
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H351	Suspected of causing cancer

# **TRIS(2,4,6-TRIBROMOPHENOXY)-1,3,5-TRIAZINE (13C18, 99%) (TTBP-TAZ) 50 UG/ML IN DIOXANE**

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Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.