

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Product designation: COC_QTest
Revised on: 11.11.24
Version number: 1.1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name: methyl (benzoyloxy) tropane- QTest
Article no.
Registration number (REACH) EC number not relevant (mixture)
CAS number -
-

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

Identified Uses: Analytical chemistry, substance analysis for identification and Quantification of the active ingredient methyl (benzoyloxy) tropane in unknown substance samples, especially in powdered samples.

1.3 Details of the supplier providing the safety data sheet

Manufacturer:

Company: LeadiX GmbH
Hans-Knöll-
Straße 6
07745 Jena

Phone: +49 3641/2716023
Email: info@leadix-company.de

Distributor:

Company: LeadiX GmbH
Hans-Knöll-
Straße 6
07745 Jena

Phone: +49 3641/2716023
Email: info@leadix-company.de

1.4 Contact point for technical information

Tel. no. info@leadix-company.de
+49 3641/2716023

1.5 Emergency number

Emergency phone no. Poison Control Center Munich No. (DE/ENG):
+49 (0)89 19240

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SECTION 2: Potential hazards

2.1 Classification of the substance or mixture according to Regulation (EC) No 1272/2008

Glass vessel with extraction reagent with white screw cap (666 µl):
Hexane (50%)

Hazard class and hazard category	Hazard warnings
Flammable liquid, Category 2 (Flam. Liq. 2)	H225
Skin corrosion/irritation, Category 2 (Skin Irrit. 2)	H315
Reproductive toxicity, Category 2 (Repr. 2)	H361f
Specific target organ toxicity - single exposure (narcotic effects, drowsiness), Category 3 (STOT SE 3)	H336
Specific target organ toxicity (repeated exposure), Category 2 (STOT RE 2)	H373
Harmful to the aquatic environment (chronic aquatic toxicity), category 2 (Aquatic Chronic 2)	H411

Glass vial with detection reagent with black screw cap (1.133 ml):
Etyl Acetate (70%)

Hazard class and hazard category	Hazard warnings
Flammable liquid, Category 2 (Flam. Liq. 2)	H225
Serious eye damage/irritation, Category 2A (Eye Dam. 2)	H319
Specific target organ toxicity - single exposure (narcotic effects, drowsiness), Category 3 (STOT SE 3)	H336

All other ingredients are not classified as hazardous substances according to (EC) No. 1272/2008.

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2.2 Label elements Regulation (EC)

No. 1272/2008

For the methyl (benzoyloxy) tropane QTest, the following applies according to (EC) No.1272/2008:
Reduced

Marking of packages whose content does not exceed 125 ml:

Pictogram/s and signal word of the product



Signal word: Danger Hazard statements

H290:	May be corrosive to metals.
H315:	Causes skin irritation
H319:	Causes serious eye irritation.
H225:	Highly flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
H361f:	Suspected of damaging fertility.
H373:	May causes damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

Safety instructions

P102:	Keep out of the reach of children.
P280:	Wear protective gloves/protective clothing/eye protection/face protection.
P271:	Use only outdoors or in well-ventilated areas.
P301 + P330 + P331:	IF INTOXICATED: Rinse out mouth. Do NOT induce vomiting.
P304 + P340	IF INHALED: Remove person to fresh air and ensure unobstructed breathing.
P303 + P361 + P353:	IF IN CONTACT WITH SKIN (or hair): Remove all contaminated clothing immediately. Wash skin with water or shower.
P305 + P351 + P338:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if possible. Continue rinsing.
P273:	Avoid release into the environment.

2.3 Other hazards

No other hazards known.

SECTION 3: Composition/information on ingredients

3.1 Composition/information on components of the kit

The methyl (benzoyloxy) tropane QTest consists of the following components:

Kit components for a single use in a pressure seal bag:

- 1x tightly screwed glass vial with white screw cap (666 µl) with extraction reagent
☑ Hazardous mixture subject to classification
- 1x tightly screwed glass vial with blue screw cap (333 µl) with developer reagent
- 1x tightly screwed glass vial with black screw cap (1.133 ml) with developer reagent
☑ Hazardous mixture subject to classification
- 1x plastic weighing dish
- 1x plastic spatula

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- 1x pipette

Accessories:

- Protective gloves
- Calibrated color chart for evaluation

3.2 Mixtures (detection reagent)

Composition according to Regulation (EC) No 1272/2008

No other substances present in concentrations subject to labeling.

SECTION 4: First aid measures

4.1 Description of the first aid measures

Exclusively for the contents of the extraction and post-proofing vial:

General notes:

IF EXPOSED: Call a POISON CENTER/physician immediately. If unconscious and breathing is present, place in a recovery position and seek medical advice. Never administer by mouth to an unconscious person or if convulsions occur. Change soiled, soaked clothing. Do not leave the affected person unattended. Self-protection of the first aider.

After inhalation:

Remove the affected person to fresh air and keep warm and calm. In case of breathing difficulties or respiratory arrest, initiate artificial respiration.

After skin contact:

After contact with skin, wash immediately with plenty of soap and water. Take off immediately all contaminated clothing. Immediate medical attention required as untreated burns will result in wounds that are difficult to heal.

After eye contact:

In case of contact with eyes, rinse immediately with plenty of water for 10 to 15 minutes and seek medical advice. Protect uninjured eye. Remove contact lenses if possible. Continue rinsing.

After ingestion:

Do not induce vomiting. Rinse your mouth thoroughly with water. Do not give anything to eat or drink.

Self-protection of the first aider

First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

Aspiration hazard, irritation, drowsiness, drowsiness, narcotic effect.

4.3 Indications for immediate medical help or special treatment

No data available

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SECTION 5: Fire fighting measures

Exclusively for the contents of the extraction and post-proofing vial:

5.1 Extinguishing agent

Suitable extinguishing agents

Adapt extinguishing measures to the surroundings.

Water spray, dry powder, BC powder, carbon dioxide (CO₂)

Unsuitable extinguishing agents

Water in full jet.

5.2 Special hazards arising from the substance or mixture

Flammable. Formation of explosive/flammable vapor/air mixtures possible with inadequate ventilation and/or during use. Solvent vapors are heavier than air and spread over the ground. The presence of flammable substances or preparations must be expected in areas not covered by ventilation, e.g. unventilated low-lying areas such as pits, ducts, cellars and shafts.

In the event of fire, the following may be produced: Sulfur oxides (SO_x) Carbon monoxide (CO), Carbon dioxide (CO₂) Formation of hazardous vapors possible due to ambient fire.

5.3 Advice for fire fighting

Do not inhale explosions and fire gasses. Do not allow extinguishing water to reach sewers and water bodies. Fight fire with usual precautions from a reasonable distance.

Ambient air independent

Wear breathing apparatus. Stay in the danger zone only with self-contained breathing apparatus.

Skin contact

avoid by keeping a safe distance or wearing suitable protective clothing (chemical protective suit).

5.4 Additional notes

Do not allow extinguishing water to reach sewers and bodies of water. Do not inhale explosions and fire gasses.

In case of fire: Clear the surrounding area.

SECTION 6: Accidental release measures

Exclusively for the contents of the extraction and post-proofing vial:

6.1 Personal precautions, protective equipment and procedures to be used in case of emergency

Note for personnel not trained for emergencies:

Do not inhale vapor/aerosol. Avoid contact with the substance. Provide adequate ventilation. Clear danger zone, avoid ignition sources.

Proceed according to the emergency plan, call in experts.

In case of large fires and large quantities: Move persons to safety. Wear self-contained breathing apparatus and a chemical protective suit.

6.2 Environmental protection measures

Do not allow it to enter the ground/soil. Do not allow entrance to enter drains or water courses. Contain and dispose of contaminated wash water. Risk of explosion.

6.3 Methods and material for retention and cleaning

Cover the drains. Never return the spilled product to the original container for recycling. Thoroughly clean contaminated objects and floors in compliance with environmental regulations. Absorb with liquid-binding material (sand, diatomaceous earth, acid binders, universal binders), placed in suitable containers for disposal. Ventilate the affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section

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8. incompatible materials: see section 10. disposal information: see section 13.

SECTION 7: Handling and storage

7.1 Protective measures for safe handling

Notes on safe handling

Ensure adequate ventilation. Avoid exposure. Keep away from sources of ignition - Do not smoke. Take measures against electrostatic discharge. Due to explosion hazard, prevent vapors from entering basements, sewers and pits. Avoid release to the environment.

Open and handle containers with care. Clean contaminated surfaces thoroughly.
Wash hands before breaks and at the end of work. Keep away from food, beverages and feed. Do not smoke during work.
Avoid inhalation.
Avoid contact with eyes and skin. Use fume hood (laboratory)

7.2 Conditions for safe storage taking into account incompatibilities

Extraction Vial:

Recommended storage temperature: 2 - 25 °C
Store tightly closed in a dark place protected from direct sunlight and in a well-ventilated area.
Storage of hazardous substances in portable containers (TRGS 510) (Germany)
Storage class (LGK): 3 (flammable and desensitizing explosive liquids).

Developer Vial:

Recommended storage temperature: 15 - 25 °C
Store tightly closed in a dark place protected from direct sunlight and in a well-ventilated area.
Storage of hazardous substances in portable containers (TRGS 510) (Germany)
Storage class (LGK): 8 A (corrosive substances, acids).

Detection Vial:

Recommended storage temperature: 5 - 30 °C
Store tightly closed in a dark place protected from direct sunlight and in a well-ventilated area.
Storage of hazardous substances in portable containers (TRGS 510) (Germany)
Storage class (LGK): 3 (flammable liquids).

7.3 Specific end uses

No specific uses other than those listed in Section 1.2 are envisaged.

SECTION 8: Exposure controls/personal protective equipment

Exclusively for the contents of the extraction and post-proofing vial:

8.1 Parameters to be monitored

Ingredient	Legal regulation	Country	Limit value	Comment
n-Hexane CAS No. 110-54-3	TRGS 900: AGW	EN	50 ml/m ³ 180 mg/m ³	Peak limitation: Exceedance factor 8 Duration 15 min, mean; 4 times per shift; interval 1 h Category II - Resorptive effective Fabrics

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-Hexane CAS No. 110-54-3	IOELV 20 72 2006/15/EC	EU	72 mg/m3 (20 ppm)	8-hour average
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8.2 Exposure controls / Personal protective equipment

Suitable technical control equipment

Technical measures and the use of appropriate work procedures take precedence over the use of personal protective equipment. In case of open handling, use devices with local exhaust ventilation.

Personal protective equipment

Wear suitable protective clothing when working. When handling chemical agents, only chemical protective clothing with a CE mark including a four-digit test number may be worn.

Eyel/face protection

Frame goggles with side protection DIN/EN standards: DIN EN 166

Skin protection

When handling chemical substances, only chemical protective gloves with a CE mark including a four-digit test number may be worn. Recommended glove brands DIN-/EN standards EN ISO 374. Check for tightness/impermeability before use.

For brief hand contact Suitable material:

Thickness of the glove material:	CR (polychloroprene, chloroprene rubber)
Penetration time (maximum wearing time):	0.75 mm 120-240 min

For frequent hand contact Suitable

material:	Butyl rubber/FKM (fluororubber)
Thickness of the glove material:	0.70 mm
Penetration time (maximum wearing time):	> 480 min

Include recovery phases to regenerate the skin. Preventive skin protection (protective creams/ointments) is recommended.

Respiratory protection

Respiratory protection is required in case of: Aerosol or mist formation

Suitable respirator: Suitable material:

Filtering half mask (DIN EN 149), type: A
(against organic gases and vapors with
boiling point > 65
°C, identification
color: brown). P3

Additional notes

Wash hands before breaks and at the end of work. Avoid contact with eyes and skin. Do not eat, drink or smoke while working. Provide eyebrows and conspicuously mark their location.

Environmental exposure controls and monitoring

Prevent seepage into sewers or surface and groundwater....

SECTION 9: Physical and chemical properties

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9.1 Information on the basic physical and chemical properties

Extraction Reagent:

	Parameter	Value	Comment
a)	State of aggregation	liquid	Mixture is present as a liquid.
b)	Color	Transparent, colorless	
c)	Smell	-	No data available
d)	Melting point/freezing point	-	No data available
e)	Boiling point or initial boiling point and boiling range	-	No data available
f)	Flammability	-	flammable
g)	Lower explosion limit Upper explosion limit	-	No data available
h)	Flash point	-	No data available
i)	Ignition temperature	-	No data available
j)	Decomposition temperature	-	No data available
k)	pH value	-	No data available
l)	Kinematic viscosity	-	No data available
m)	Solubility	-	No data available
n)	Partition coefficient n-octanol/water (log value)	-	Not applicable
o)	Vapor pressure	-	No data available
p)	Density and/or specific gravity	-	No data available
q)	Relative vapor density		No data available
r)	Particle properties		Not applicable (liquid form)

Developer reagent:

	Parameter	Value	Comment
a)	State of aggregation	liquid	Mixture is present as a liquid.
b)	Color	Clear blue	
c)	Smell	-	No data available
d)	Melting point/freezing point	-	No data available
e)	Boiling point or initial boiling point and boiling range	-	No data available
f)	Flammability	-	Not flammable
g)	Lower explosion limit Upper explosion limit	-	Not applicable
h)	Flash point	-	Not applicable
i)	Ignition temperature	-	Not applicable
j)	Decomposition temperature	-	Not determined
k)	pH value	<1	
l)	Kinematic viscosity		Similar to water
m)	Solubility		Mixture is completely soluble in water
n)	Partition coefficient n-octanol/water (log value)	-	Not determined
o)	Vapor pressure	-	No data available
p)	Density and/or specific gravity	~1.0 -1.1 g/cm ³ at 20 °C	
q)	Relative vapor density		No data available
r)	Particle properties		Not applicable (liquid form)

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Detection reagent:

	Parameter	Value	Comment
a)	State of aggregation	liquid	Mixture is present as a liquid.
b)	Color	Transparent, colorless	
c)	Smell	-	Fruity
d)	Melting point/freezing point	-	No data available
e)	Boiling point or initial boiling point and boiling range	-	No data available
f)	Flammability	-	Highly flammable
g)	Lower explosion limit Upper explosion limit	-	No data available
h)	Flash point	-	No data available
i)	Ignition temperature	-	No data available
j)	Decomposition temperature	-	Not determined
k)	pH value		Slightly acidic
l)	Kinematic viscosity		Low
m)	Solubility		Partially soluble in water; miscible with most organic solvents
n)	Partition coefficient n-octanol/water (log value)	-	No data available
o)	Vapor pressure	-	No data available
p)	Density and/or specific gravity	-	No data available
q)	Relative vapor density		No data available
r)	Particle properties		Not applicable (liquid form)

9.2 Other information

Information on physical hazard classes

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Substances and mixtures corrosive to metals

This is a reactive substance. Risk of ignition. Vapors can form an explosive mixture together with air.

SECTION 10: Stability and reactivity

Extraction Reagent:

10.1 Reactivity

This is a reactive substance. Risk of ignition. Vapors can form an explosive mixture together with air.

When heated: risk of ignition.

10.2 Chemical stability

The material is stable under normal environmental conditions and under the temperature and pressure conditions expected during storage and handling.

10.3 Possibility of hazardous reactions

Violent reaction with:

strong oxidizing agent, chlorine, iodine, peroxides, nitrogen oxides (NO_x),

=> Explosion hazard

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not smoke.

10.5 Incompatible materials

Rubber products, various plastics

10.6 Hazardous decomposition products

Hazardous combustion products: see section 5.

Developer reagent:

10.1 Reactivity

This material is not reactive under normal ambient conditions.

10.2 Chemical stability

The material is stable under normal environmental conditions and under the temperature and pressure conditions expected during storage and handling.

10.3 Possibility of hazardous reactions

Violent reaction with:

Acetylene, Magnesium, strong alkali

Corrosive action on metals, toxic fumes may be released if heated above the composition point. Reacts with metals forming hydrogen.

10.4 Conditions to avoid

Keep away from heat. Decomposition takes place from temperatures above: >30 °C

Prolonged exposure to metals

10.5 Incompatible materials

Strong alkalis and reactive metals (e.g., aluminum, zinc)

10.6 Hazardous decomposition products

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Hydrogen. Under fire conditions only: Chlorine compounds.

Detection Reagent:

10.1 Reactivity

This is a reactive substance. Vapors can form an explosive mixture together with air.

10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

10.3 Possibility of hazardous reactions

Risk of ignition or formation of inflammable gasses or vapors with: Exothermic reaction with: Fluorine chlorosulfonic acid Strong oxidizing agents fuming sulfuric acid Risk of explosion with: lithium aluminum hydride Alkali metals hydrides Alkaline earth metals

Violent reaction with:

Strong acids and strong bases

10.4 Conditions to avoid

Keep away from heat, open flames and other ignition sources.

10.5 Incompatible materials

Strong oxidizing agents, strong acids, and bases

10.6 Hazardous decomposition products

In the event of fire: see section 5.

SECTION 11: Toxicological information

11.1 Information on hazard classes within the meaning of Regulation (EC) No 1272/2008

There are no test data available for the complete mixture. The method of classification of the mixture is based on the mixture components (additivity formula).

Acute toxicity

Components that may contribute to **acute oral toxicity**:
no relevant component

Calculated Estimated Acute Oral Toxicity ATE (mix): 158000 mg/kg The mixture is therefore not classified in Acute Toxicity Oral.

Ingredients that may contribute to **acute dermal toxicity**:
There are no relevant ingredients in the mixture. The mixture is not classified in Acute toxicity dermal.

Components that may contribute to **acute inhalation toxicity**:
There are no relevant ingredients in the mixture. The mixture is not classified in Acute toxicity by inhalation.

Caustic/irritant effect:

The mixture is classified in category 1A.

Serious eye damage/irritation

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Skin corrosive substances of category 1A also cause severe eye damage. Therefore, the mixture is classified in category 1.

Sensitization of the respiratory tract/skin

Ingredients which may contribute to sensibilization of the respiratory tract/skin: There are no relevant ingredients in the mixture.
The mixture is not classified in respiratory sensitization/skin.

Germ cell mutagenicity

There are no relevant ingredients in the mixture. The mixture is not classified in germ cell mutagenicity.

Carcinogenicity

There are no relevant ingredients in the mixture. The mixture is not classified as carcinogenic.

Reproductive toxicity

Ingredients that may contribute to **reproductive toxicity**: There are no relevant ingredients in the mixture.
The mixture is not classified in reproductive toxicity.

Ingredients that may contribute to the **effect on lactation**: There are no relevant ingredients in the mixture.
The mixture is not classified in an additional category for effects on lactation....

Specific target organ toxicity at single exposure

There are no relevant ingredients in the mixture.
The mixture is not classified in Specific Target Organ Toxicity (single exposure).

Specific target organ toxicity repeated exposure

There are no relevant ingredients in the mixture.
The mixture is not classified in Specific Target Organ Toxicity (repeated exposure).

Aspiration hazard

There are no relevant ingredients in the mixture. The mixture is not classified in aspiration hazard.

SECTION 12: Environmental information

Exclusively for the contents of the extraction and post-proofing vial:

12.1 Toxicity

Extraction Reagent:

Toxic to aquatic organisms, with long lasting effects

Developer reagent:

Very toxic to aquatic life with long lasting effects.

Detection reagent:

Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

No data available.

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12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

The mixture does not contain components at concentrations of 0.1% or higher that are classified as either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

12.6 Endocrine disrupting properties

No data available.

SECTION 13: Notes on disposal

13.1 Waste treatment process

Proper disposal / product

This product and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations. Contact the appropriate licensed waste disposal contractor for waste disposal. Do not allow it to enter drains.

Proper disposal / packaging

Dispose of in accordance with official regulations. Contaminated packaging must be treated in the same way as the substance.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID/ADN	UN 2796, UN 1208
IMDG code ICAO-TI	UN 2796, UN 1208
	UN 2796, UN 1208

14.2 UN proper shipping name

ADR/RID/ADN	HEXANES
IMDG code ICAO-TI	HEXANES
	HEXANES

14.3 Transport hazard classes

ADR/RID/ADN	3
IMDG code ICAO-TI	3
	3

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14.4 Packing group

ADR/RID/ADN	II
IMDG Code	II
ICAO-TI	II

14.5 Environmental hazards

Extraction vial only: hazardous to water.

14.6 Special precautions for the user

see sections 6 - 8

14.7 Carriage of bulk cargo by sea in accordance with IMO instruments

SECTION 15: Legislation

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

EU regulations

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Commission Regulation (EU) No. 453/2010 of 20 May 2010 amending Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

National regulations Water hazard class

Water hazard class (WGK):
Extraction vial - 2 (clearly hazardous to water)
Developer vial - 2 (clearly hazardous to water)
Detection vial - 1 (slightly hazardous to water)

Reference to Technical Rules for Hazardous Substances (TRGS)

Storage of hazardous substances in portable containers (TRGS 510) (Germany): Storage class (LGK): 8A (non-flammable corrosive hazardous substances (except metal corrosive only)).

Other information

Directive 94/33/EC on the protection of young people at work. Observe employment restrictions according to the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out for this mixture

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SECTION 16: Other information

Legend

AGS - Committee for Hazardous Substances
CLP - Regulation on Classification, Labeling and Packaging of Substances and Mixtures DFG - German Research Foundation
Gestis - Hazardous Substances Information System of the German Social Accident Insurance PBT - Persistent, Bioaccumulative and Toxic vPvB - Very Persistent, Very Bioaccumulative ACGIH - American Conference of Governmental Industrial Hygienists
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road IATA-DGR - International Air Transport Association-Dangerous Goods Regulations
ICAO-TI - International Civil Aviation Organization-Technical Instructions
IMDG - International Maritime Code for Dangerous Goods
LTV - Long Term Value
NIOSH - National Institute for Occupational Safety and Health
OSHA - Occupational Safety & Health Administration
RID - Regulation concerning the International Carriage of Dangerous Goods by Rail
STV - Short Term Value
SVHC - Substances of Very High Concern

List of hazard statements that have not been fully written out in Sections 2 through 15.

H412: Harmful to aquatic life with long lasting effects.

Disclaimer

The information provided is based on our current knowledge. This SDS has been compiled and is intended solely for this product.