

Miris Check

Date of issue: 2014-04-14

Version: 4

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 PRODUCT NAME****Miris Check****CATALOGUE NO****39-01-003****1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST**

Calibration liquid for instruments.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET**Supplier:** Miris AB, Kungsgatan 115, SE-753 18 Uppsala, Sweden**Telephone:** +46 18 - 14 69 07**E-mail:** info@miris.se**Homepage:** www.miris.se**1.4 EMERGENCY TELEPHONE**

Swedish Poisons Information Centre 112 (acute), 08-33 12 31 (working hours)

2. HAZARDS IDENTIFICATION**2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

The product contains no substances which, in the present form or concentration, result in any classification according to the current legislation.

2.2 LABEL ELEMENTS**LABELING ACCORDING TO CLP (DIRECTIVE 1272/2008/EC)**

In accordance to CLP the product should be labeled with the text: "Safety data sheet available on request".

2.3 OTHER HAZARDS

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Mixtures****ACCORDING TO CLP (REGULATION (EC) No 1272/2008)**

Substance name	EG Number	Reg. Number	CAS Number	Conc.	Pictogram(s)	H-phrase(s)*	Category
Octylphenol, ethoxylated (Triton X)	-	-	9002-93-1	<2 %	GHS05 GHS07 GHS09 Fara	H302 H315 H318 H411	Acute Tox. 4 Skin Irrit. 2 Eye Dam. 1 Aquatic Chronic 2

* For the full text of the H-Statements mentioned in this section, see Section 16.

4. FIRST AID MEASURES**4.1 DESCRIPTION OF FIRST AID MEASURES**



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GENERAL RECOMMENDATION

Keep the victim warm and calm. Never give anything to eat or drink to an unconscious person. If uncertain or if symptoms remain, consult a doctor. Show this SDS to medical personnel.

AFTER INHALATION

Supply fresh air and rest. Consult a doctor if symptoms persist.

AFTER SKIN CONTACT

Rinse with soap and water.

AFTER EYE CONTACT

Rinse opened eye for several minutes under running water. Keep eyelids apart. Remove contact lenses if present.

Consult a doctor if symptoms persist.

AFTER INGESTION

Rinse the mouth with running water. Drink a few glasses of water. Consult a doctor if symptoms persist.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECT, BOTH ACUTE AND DELAYED

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4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

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5. FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

The product is not flammable. Use extinguishing media suitable for the surrounding fire.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

The product is not flammable. Combustion may give rise to irritating gases. Used extinguishing media may be irritating.

5.3 ADVICE FOR FIREFIGHTERS

In the event of fire, wear self-contained breathing apparatus. Prevent fire extinguishing water from contaminating surface water or the ground water system. Remove container from danger zone and cool with water.

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use protective equipment according to section 8 of this SDS.

6.2 ENVIRONMENTAL PRECAUTIONS

Do not empty into drains. Inform the emergency services in case of a big spill.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Transfer to a closable, labelled salvage container for disposal by an appropriate method. See Section 13.

6.4 REFERENCE TO OTHER SECTIONS

Refer to section 8 and 13 of this SDS for information on protective equipment and waste handling.

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Use protective equipment according to section 8 of this SDS. Wash of hands after working with the product. No eating or drinking when working with the product. Avoid contact with skin and eyes.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store in closed containers in a dry, cool and well ventilated place. Store in original packaging. Store away from acids and oxidizing agents.

7.3 SPECIFIC END USE(S)

See EWC code in section 13 of this SDS.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS



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OCCUPATIONAL EXPOSURE LIMIT VALUES (ACCORDING TO DIRECTIVES 91/322/EEG, 2000/39/EG AND 2006/15/EG)

No values apply to the product.

PNEC

No data available.

DNEL

No data available.

8.2 INDIVIDUAL PROTECTION MEASURES

RESPIRATORY PROTECTION

Normally none needed.

HAND PROTECTION

Most plastic/rubber gloves are suitable. Break-through times can vary depending on thickness, use and source. Change gloves regularly. Contact your supplier of protective equipment for more information.

EYE/FACE PROTECTION

Splash proof safety glasses or goggles should be used when working with all laboratory chemicals.

OTHER PROTECTIVE EQUIPMENT

Laboratory coat or overalls.

HYGIENE MEASURES

No food, drinks or smoking at the workplace. Remove all contaminated clothes. Wash hands and/or face before breaks and at the end of the workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON FUNDAMENTAL PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Color	Blue
Density	1,0 mg/ml
Solubility in water	Soluble

9.2 OTHER INFORMATION

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10. STABILITY AND REACTIVITY

10.1 REACTIVITY

The product is chemically stable under standard conditions.

10.2 CHEMICAL STABILITY

The product is chemically stable under standard conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

The product is chemically stable under standard conditions.

10.4 CONDITIONS TO AVOID

Extreme temperatures.

10.5 INCOMPARTIBLE MATERIALS

Acids and oxidizing agents.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Combustion may emit carbon oxides.

11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

	ACUTE EFFECTS	CHRONIC EFFECTS
SKIN CONTACT	May be mildly irritating.	-
EYE CONTACT	May be mildly irritating.	-
INHALATION	May be mildly irritating.	-
INGESTION	May cause nausea and vomiting.	-

ACUTE TOXICITY**TOXICITY FOR THE COMPONENTS****Octylphenol, ethoxylated (Triton X)**

LD50 Oral rat: 1800 mg/kg body weight (harmful)

LD50 Dermal rabbit: >3000 mg/kg body weight (no acute toxicity)

IRRITATION

May be mildly irritating.

CORROSIVE EFFECT

No corrosive effect known.

SENSITISATION

Non known.

TOXICITY AT REPEATED EXPOSURE

Non known.

CANCEROGENICITY

Non known.

MUTAGENICITY

Non known.

REPRODUCTIVE TOXICITY

Non known.

INTERACTIVE EFFECTS

Non known.

ABSENCE OF DATA

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12. ECOLOGICAL INFORMATION**12.1 TOXICITY**

Not classified as hazardous to the environment.

ECOTOXICITY FOR INGREDIENTS**Octylphenol, ethoxylated (Triton X)**

LC50 Fisk 96h: >2,8 mg/l Art: Lepomis macrochirus (toxic)

IC50 Alger 72h: 124,3 mg/l

BCF: 245,47 (potential for bio accumulation)

12.2 PERSISTENCE AND BIODEGRADATION

Expected to be easily degradable.

12.3 BIOACCUMULATIVE POTENTIAL

Contains small amounts of accumulative substance (see above).

12.4 MOBILITY IN SOIL AND WATER

Soluble in water.

12.5 RESULTS OF PBT- AND vPvB ASSESSMENT

No information available.

12.6 OTHER ADVERSE EFFECTS

Not known.

SUMMARY

Not classified as hazardous to the environment. Soluble in water. Contains small amounts of harmful substances.

Avoid discharge to the environment.

13. DISPOSAL CONSIDERATIONS**13.1 WASTE TREATMENT METHODS**

In accordance with directive 2008/98/EC unused product is not hazardous waste.

Suggestion of EWC-code:

20 01 99 - Other fractions not otherwise specified.

SURPLUS WASTE

Not hazardous waste but should be recycled in accordance with local, state or national regulations.

CONTAMINATED PACKAGING

Not hazardous waste but should be recycled in accordance with local, state or national regulations.

14. TRANSPORT INFORMATION

Not classified as dangerous goods in accordance with ADR/RID/IMO/DGR.

15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Safety data sheet and classification in accordance with CLP (directive 1272/2008/EC and directive 453/2010/EC, appendix I).

CHEMICAL SAFETY ASSESSMENT

A Chemical safety assessment (CSA) is available for the product (in Swedish).

16. OTHER INFORMATION

FULL TEXT OF H-STATEMENTS REFERRED TO UNDER SECTION 3

H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H411 - Toxic to aquatic life with long lasting effects.

FÖRKLARING TILL FÖRKORTNINGAR

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REFERENCES TO LITERATURE OCH DATABASES

See Chemical Safety Assessment (CSA).

REVISION

Version 1 (2014-04-14): Original document.

Version 2 (2014-10-09): Insert of article number in section 1.

Version 3 (2015-07-30): Classification and labeling according to DPD removed.

Version 4 (2016-02-09): New catalogue number in section 1

OTHER INFORMATION

This information is complementary. However, the user should independently decide whether the information is sufficient. Responsible for the product safety and facts is Miris AB. Safety Data Sheet has been established with the participation of Amasis Konsult AB, Solna.