

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 PRODUCT NAME****Miris Cleaner****CATALOGUE NO**

39-04-001

**1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST**

Chemical for laboratory use.

**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](mailto:info@miris.se)**Homepage:** [www.miris.se](http://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)**

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

**2.3 OTHER HAZARDS**

None known.

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

A mixture on anionic and non-ionic surface active agents in an aqueous polyhydric alcohol base.

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

May be mildly irritating on the skin, in the eyes and in the respiratory system.

### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Emergency shower and eye washing station should be available in laboratories.

## 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 the concentrate at ambient temperature, out of direct sunlight, sealed in the container in which it is supplied. Store away from acids and oxidizing agents. Stored correctly, the product has a shelf-life of 5 years. Use glass, ceramic, plastic or stainless steel vessels for working solutions.

### 7.3 SPECIFIC END USE(S)

See EWC code in section 13 of this SDS.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

#### 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



# SAFETY DATA SHEET

Miris Cleaner

Date of issue: 2015-08-06

Version: 1

Revision: -

Page: 3

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	Viscous liquid concentrate
Color	Pale yellow
Odor	Faint
Density	1,022 at 20 °C
Solubility in water	Soluble
Boiling point	102,1 °C
Vapor pressure	16,1 mmHg at 20 °C
Evaporation rate	0,40 (butyl acetate = 1)
Viscosity	55,0 cps at 23 °C
pH	7,5 - 1% solution in water (typical)

### 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 INCOMPATIBLE 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. Degreasing.	-
EYE CONTACT	May be mildly irritating.	-
INHALATION	May be mildly irritating.	-
INGESTION	May cause nausea and vomiting.	-

### ACUTE TOXICITY

### TOXICITY FOR THE COMPONENTS

No data available.

**IRRITATION**

May be mildly irritating on the skin, in the eyes and in the respiratory system.

**CORROSIVE EFFECT**

No corrosive effect known.

**SENSITISATION**

None known.

**TOXICITY AT REPEATED EXPOSURE**

None known.

**CANCEROGENICITY**

None known.

**MUTAGENICITY**

None known.

**REPRODUCTIVE TOXICITY**

None known.

**INTERACTIVE EFFECTS**

None known.

**ABSENCE OF DATA**

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**12. ECOLOGICAL INFORMATION****12.1 TOXICITY**

Not classified as hazardous to the environment.

**ECOTOXICITY FOR INGREDIENTS**

No data available.

**12.2 PERSISTENCE AND BIODEGRADATION**

Ready biodegradability by OECD 301E (ISO method 7287 - 1986(E)).

**12.3 BIOACCUMULATIVE POTENTIAL**

No data available.

**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**

None known.

**SUMMARY**

Not classified as hazardous to the environment. Soluble in water. Avoid discharge of large quantities 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**

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**FÖRKLARING TILL FÖRKORTNINGAR**

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**REFERENCES TO LITERATURE OCH DATABASES**

See Chemical Safety Assessment (CSA).

**REVISION**

Version 1 (2015-08-06): Original document.

**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.