# Safety Data Sheet

# According to Regulation (EC) No. 1907/2006

CAMPRO

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O. Box 37 03 31 • 14133 Berlin • Phone +49.(0)30.629.01.89.0 • Fax +49.(0)30.629.01.89.89 • info@campro.eu • www.campro.eu	~	Dev 27.02.21 - 1412	Campro Scientific GmbH - Germany		

Campro Scientific GmbH - The Netherlands P.O. Box 316 • NL-3900 AH Veenendaal • Phone +31.(0)318.529.437 • Fax +31.(0)318.542.181 • info.nl@campro.eu • www.campro.eu

# Safety Data Sheet



## According to Regulation (EC) No. 1907/2006

Ingredient: Acetonitrile; CAS-No.: 75-05-8; EG-No.: 200-835-2; REACH-No.: 01-2119471307-38-XXXX; Classification: H225, H302, H312, H332, H319; Flam. Liq 2; Acute Tox. 4; Acute Tox. 4; Eye Irrit. 2; Acute Tox. 4; Concentration: >= 30 - < 60 %

For the full text of the H-Statements mentioned in this Section, see Section 16. Substances listed on the 'Candidate List of Substances of Very High Concern (SVHC) for authorisation' of the European Chemical Agency (ECHA), are not intentional ingredient of this product. It is not to be expected that those substances are in quantity of >= 0,1 % in this product.

## **SECTION 4: First aid measures**

4.1	Description of first aid measures				
	General advice				
	Consult a physician. Show this safety data sheet to the doctor in attendance.				
	If inhaled				
	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.				
	In case of skin contact				
	Wash off with soap and plenty of water. Consult a physician.				
	In case of eye contact				
	Flush eyes with water as a precaution. Consult a physician.				
	If swallowed				
	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, both acute and delayed				
	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.				
4.3	Indication of any immediate medical attention and special treatment needed				
	No data available				

#### **SECTION 5: Firefighting measures**

## 5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

- 5.2 Special hazards arising from the substance or mixture
- Carbon oxides 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

## SECTION 6: Accidental release measures

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

Use personal protective equipment. Avoid breathing vapours, 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. For personal protection see section 8.

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

#### 6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections For disposal see section 13.

## **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

Avoid exposure. Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Storage class (TRGS 510): Flammable liquids.

# 7.3 Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.



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### SECTION 8: Exposure controls/personal protection

# 8.1 Control parameters

Ingredient: Acetonitrile; CAS-No.: 75-05-8; TWA: 40 ppm, 70 mg/m3; AGW: 20 ppm, 34 mg/m3

# 8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Personal protective equipment

## Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

#### **Body Protection**

9.1

Impervious clothing, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### **Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

# SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties		
Theses information refer to the main component and are literature values.		
a) Appearance	liquid	
b) Odour	aromatic	
c) Odour Threshold	No data available	
d) pH	No data available	
e) Melting point	-48°C	
f) Initial boiling point	81 °C	
g) Flash point	2 °C - closed cup	
h) Evaporation rate	5,8	
i) Flammability	No data available	
j) Explosive limits	Lower explosion limit: 3 %(V)	
	Upper explosion limit: 16 %(V)	
k) Vapour pressure	98,64 hPa at 20 °C	
l) Vapour density	No data available	
m) Relative density	0,78 g/cm3	
n) Water solubility	completely miscible	
o) Partition coefficient	log Pow: -0,54 at 25 °C (n-Octanol/Water)	
p) Auto-ignition temperature	524,0 °C	
q) Decomposition temperature	No data available	
r) Viscosity	No data available	
s) Explosive properties	No data available	
t) Oxidizing properties	No data available	

9.2 Other safety information No data available

SECTION 10: Stability and reactivity



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## According to Regulation (EC) No. 1907/2006

	According to Regulation (EC) No. 1907/2006					
	Theses information refer to the main component.					
10.1	Reactivity					
	No data available					
10.2	Chemical stability					
	Stable under recommended storage conditions.					
10.3	Possibility of hazardous reactions					
	No data available					
10.4	Conditions to avoid					
	Heat, flames and sparks.					
10.5	Incompatible materials					
	acids, Bases, Oxidizing agents, Reducing agents, Alkali metals					
10.6	Hazardous decomposition products					
In the event of fire: see section 5						
	ION 11: Toxicological information					
11.1	Information on toxicological effects					
	No data available for the product. Acute toxicity					
	The mixture is not classified.					
	ATE-Mix (oral): 3012mg/kg					
	ATE-Mix (dermal): 4564mg/kg					
	Skin corrosion/irritation					
	The mixture is not classified.					
	Serious eye damage/eye irritation					
	The mixture causes serious eye irritation. The classification results from specific concentration limits.					
	Respiratory or skin sensitisation					
	The mixture is not classified.					
	Germ cell mutagenicity					
	The mixture is not classified.					
	Carcinogenicity					
	The mixture is not classified.					
	Reproductive toxicity					
The mixture is not classified.						
	Specific target organ toxicity - single exposure					
	The mixture is not classified.					
	Specific target organ toxicity - repeated exposure					
	The mixture is not classified.					
	Aspiration hazard					
	The mixture is not classified.					
SECT	ON 12: Ecological information					
	Toxicity					
	The mixture is not classified.					
12.2	Persistence and degradability					
	No data available					
12.3	Bioaccumulative potential					
	No data available					
12.4	Mobility in soil					
	No data available					
12.5	Results of PBT and vPvB assessment					
	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very					
	persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.					
12.6	Other adverse effects					
	No data available					





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### **SECTION 13: Disposal considerations**

# 13.1 Waste treatment methods

# Product

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

# **SECTION 14: Transport information**

14.1	UN number		
	ADR/RID: 1648	IMDG: 1648	IATA: 1648
14.2	UN proper shipping name		
	ADR/RID: ACETONITRILE		
	IMDG: ACETONITRILE		
	IATA: Acetonitrile		
14.3	Transport hazard classes		
	ADR/RID: 3	IMDG: 3	IATA: 3
14.4	Packaging group		
	ADR/RID: II	IMDG: II	IATA: II
14.5	Environmental hazards		
	ADR/RID: no	IMDG Marine pollutant: no	IATA: no
14.6	Special precautions for user		
	No data available		

#### **SECTION 15: Regulatory information**

**15.1** Safety, health and environmental regulations/legislation specific for the substance or mixture This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

#### 15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

# **SECTION 16: Other information**

## Further information

License granted to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Campro Scientific GmbH shall not be held liable for any damage resulting from handling or from contact with the above product. See www.campro.eu for additional terms and conditions of sale.

#### Full text of H-Statements referred to under section 3.

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.



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