

## Carbon dioxide

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Reference number: RS-CO2-018A

Issue date: 02/01/2019 Revision date: 01/01/2026 Supersedes: 09/01/2024 Version: 3D

## Warning



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

#### 1.1. Product identifier

Trade name : Carbon dioxide; Carbon dioxide 4.5; Gourmet C - E290; Pharmaline C; R744

SDS no : RS-CO2-018A
Other means of identification : Carbon dioxide
CAS no. : 124-38-9
EC no. : 204-696-9

Index no. : --

REACH no. : Listed in Annex IV / V REACH, exempted from registration.

Chemical formula : CO<sub>2</sub>

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

Relevant identified uses : Industrial and professional uses. Test gas/Calibration gas. Consumer use.

Purge gas, diluting gas, inerting gas. Shield gas for welding processes.

Use for manufacture of electronic/photovoltaic components.

Extinguishing agent.

Treatment of water intended for human consumption.

Food applications. Medical applications.

Uses advised against : Contact your supplier for more information on other uses.

Perform risk assessment prior to use.

Uses other than those listed above are not supported, contact your supplier for more information

on other uses.

Attention: These products must not be applied to humans or animals unless they are

expressly designated as medical or medicinal gases!

It is the responsibility of the end user to ensure that the product as supplied is suitable for its

intended use.

### 1.3. Details of the supplier of the safety data sheet

Messer Tehnogas AD Beograd

Banjicki put no. 62 11090 Belgrade, Serbia

Telephone: +381 11 35 37 200 Fax: +381 11 35 37 291

e-mail: <a href="mailto:postoffice@messer.rs">postoffice@messer.rs</a>
Web: <a href="mailto:www.messer.rs">www.messer.rs</a>

Person responsible for the safety data sheet:

Tamara Ječmenica, Chemicals Advisor

Telephone: +381 65 35 37 785 e-mail: sds@messer.rs

### 1.4. Emergency telephone number

Emergency telephone number : Poison Control Center, VMA

Crnotravska 17, Belgrade Serbia Tel.: +381(0) 11 360 8440 (24h)

EU - en 1/13



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### **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Physical hazards Gases under pressure : Liquefied gas H280

#### 2.2. Label elements

### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :

CHEON

Signal word (CLP) : Warning

Hazard statements (CLP) : H280 - Contains gas under pressure; may explode if heated.

Precautionary statements (CLP)

- Storage : P403 - Store in a well-ventilated place.

### 2.3. Other hazards

Asphyxiant in high concentrations. Contact with liquid may cause cold burns/frostbite. In high concentrations CO<sub>2</sub> causes rapid circulatory insufficiency even at normal levels of oxygen concentration. Symptoms are headache, nausea and vomiting, which may lead to unconsciousness and death. Not classified as PBT or vPvB. Not classified as PMT or vPvM.

The substance/mixture has no endocrine disrupting properties.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Carbon dioxide	CAS no.: 124-38-9	≤ 100	Press. Gas (Liq.), H280
	EC no.: 204-696-9		
	Index no.:		
	REACH no.: *1		

Contains no other components or impurities which will influence the classification of the product.

#### 3.2. Mixtures

Not applicable

<sup>\*1:</sup> Listed in Annex IV / V REACH, exempted from registration.

<sup>\*3:</sup> Registration not required: Substance manufactured or imported < 1t/y.



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

#### 4.1. Description of first aid measures

- Inhalation : Remove victim to uncontaminated area wearing self contained breathing apparatus. Keep victim

warm and rested. Maintain an open airway. Call a doctor. Perform cardiopulmonary resuscitation

if breathing stopped.

: Carefully remove contaminated clothing. In case of frostbite spray with water for at least 15 - Skin contact

minutes. Do not use hot water! Apply a sterile dressing. Obtain medical assistance.

: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove any contact lenses. - Eye contact

Get medical advice / attention.

: Ingestion is not considered a potential route of exposure. - Ingestion

### 4.2. Most important symptoms and effects, both acute and delayed

In high concentrations may cause asphyxiation. Symptoms may include loss of

mobility/consciousness. Victim may not be aware of asphyxiation. Low concentrations of CO<sub>2</sub> cause increased respiration and headache.

See section 11.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Take first aid measures. Loosen tight clothing, such as a collar, tie or belt. Place the unconscious person in a lateral position. Seek medical attention.

## **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

- Suitable extinguishing media : Water spray or fog.

Product does not burn, use fire control measures appropriate for the surrounding fire.

- Unsuitable extinguishing media : Do not use water jet to extinguish.

### 5.2. Special hazards arising from the substance or mixture

Specific hazards : Exposure to fire may cause containers to rupture/explode.

Hazardous combustion products : None.

### 5.3. Advice for firefighters

Specific methods : Use fire control measures appropriate for the surrounding fire.

> Exposure to fire and heat radiation may cause gas receptacles to rupture. Cool endangered receptacles with water spray jet from a protected position. Prevent water used in emergency cases from entering sewers and drainage systems.

If possible, stop flow of product.

Use water spray or fog to knock down fire fumes if possible.

Move containers away from the fire area if this can be done without risk.

Special protective equipment for fire fighters : In confined space use self-contained breathing apparatus.

Standard protective clothing and equipment (Self Contained Breathing Apparatus) for fire

fighters.

Standard EN 469 - Protective clothing for firefighters. Standard EN 659 - Protective gloves for firefighters.

Standard EN 137 - Self-contained open-circuit compressed air breathing apparatus with full face



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### **SECTION 6: Accidental release measures**

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

For non-emergency personnel : Act in accordance with local emergency plan.

Try to stop release. Evacuate area.

Ensure adequate air ventilation.

Prevent from entering sewers, basements and workpits, or any place where its accumulation can

be dangerous. Stay upwind.

See section 8 of the SDS for more information on personal protective equipment.

For emergency responders : Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be

safe.

Oxygen detectors should be used when asphyxiating gases may be released.

See section 5.3 of the SDS for more information.

6.2. Environmental precautions

Try to stop release.

6.3. Methods and material for containment and cleaning up

Ventilate area.

6.4. Reference to other sections

See also sections 8 and 13.

### SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Safe use of the product

: The product must be handled in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke while working with the product. Wash hands after use. Wear personal protective equipment (See section 8).

Only experienced and properly instructed persons should handle gases under pressure.

Consider pressure relief device(s) in gas installations.

Ensure the complete gas system was (or is regularily) checked for leaks before use.

Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt.

Avoid suck back of water, acid and alkalis.

Do not breathe gas.

Avoid release of product into work area.

Containers, which contain or have contained flammable or explosive substances, must not be inerted with liquid carbon dioxide. Potential production of solid CO<sub>2</sub> particles must be ruled out. In order to rule out potential electrostatic discharge production, the system must be adequately grounded.

Be aware of the risk of formation of static electricity with the use of  $CO_2$  extinguishers. Do not use them in places where a flammable atmosphere may be present.



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Safe handling of the gas receptacle

: Refer to supplier's container handling instructions.

Protect containers from physical damage; do not drag, roll, slide or drop.

When moving cylinders, even for short distances, use a cart (trolley, hand truck, etc.) designed to transport cylinders.

Leave valve protection caps in place until the container has been secured against either a wall or bench or placed in a container stand and is ready for use. If the protection cap is too tight, remove it with adjustable wrench. Never insert sharp objects into the cavities of the cap, this can lead to damage to the valve and leakage.

Open valve slowly to avoid pressure shock. If user experiences any difficulty operating valve discontinue use and contact supplier.

Never attempt to repair or modify container valves or safety relief devices.

Damaged valves should be reported immediately to the supplier.

Keep container valve outlets clean and free from contaminants particularly oil and water. Replace valve outlet caps or plugs and container caps where supplied as soon as container is disconnected from equipment.

Close container valve after each use and when empty, even if still connected to equipment.

Never attempt to transfer gases from one cylinder/container to another.

Never use direct flame or electrical heating devices to raise the pressure of a container.

Do not allow backfeed into the container. Suck back of water into the container must be prevented.

Do not remove or deface labels provided by the supplier for the identification of the content of the container.

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

Observe all regulations and local requirements regarding storage of containers.

Containers should not be stored in conditions likely to encourage corrosion.

Container valve guards or caps should be in place.

Containers should be stored in the vertical position and properly secured to prevent them from falling over. Stored containers should be periodically checked for general condition and leakage. Keep container below 50°C in a well ventilated place.

Store containers in location free from fire risk and away from sources of heat and ignition.

Keep away from combustible materials.

### 7.3. Specific end use(s)

None.

### **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

Carbon dioxide (124-38-9)			
EU - Indicative Occupational Exposure Limit (IOEL)			
Local name	Carbon dioxide		
IOEL TWA	9000 mg/m <sup>3</sup>		
IOEL TWA [ppm]	5000 ppm		
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC		



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Serbia - Occupational Exposure Limits		
Local name	угљен-диоксид	
OEL TWA	9000 mg/m³	
OEL TWA	5000 ppm	
Remark	EУ** – напомена да се ради о хемијским материјама за које су утврђене индикативне граничне вредности изложености према Директиви 2006/15/E3 (друга листа)	
Regulatory reference	ПРАВИЛНИК о превентивним мерама за безбедан и здрав рад при излагању хемијским материјама ("Службени гласник РС", бр. 106/09, 117/17 и 107/21)	

DNEL (Derived-No Effect Level) : None available.

PNEC (Predicted No-Effect Concentration) : None available.

#### 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Systems under pressure should be regularily checked for leakages. Ensure exposure is below occupational exposure limits (where available). Oxygen detectors should be used when asphyxiating gases may be released.

Consider the use of a work permit system e.g. for maintenance activities.

 $\mathsf{CO}_2$  detectors should be used when  $\mathsf{CO}2$  may be released.

### 8.2.2. Individual protection measures, e.g. personal protective equipment

A risk assessment should be conducted and documented in each work area to assess the risks related to the use of the product and to select the PPE that matches the relevant risk. The following recommendations should be considered:

PPE compliant to the recommended EN/ISO standards should be selected.

• Eye/face protection : Wear goggles when transfilling or breaking transfer connections.

Standard EN 166 - Personal eye-protection - specifications.

Standard EN ISO 16321-1 - Eye and face protection for occupational use Part 1: General

requirements.

Skin protection

- Hand protection : Wear working gloves when handling gas containers.

Standard EN 388 - Protective gloves against mechanical risks, performance level 1 or higher. Recommended types include wrist gloves from leather or synthetic material with equivalent performance, fabric gloves, fabric gloves with leather palms.

Wear cold insulating gloves when transfilling or breaking transfer connections.

Standard EN 511 - Cold insulating gloves, performance level 1 or higher. Recommended types include insulated gauntlets or gloves specifically selected to prevent liquid penetration and

ingress of cryogenic liquids and to provide mechanical resistance.

- Other : Wear safety shoes while handling containers.

Standard EN ISO 20345 - Personal protective equipment - Safety footwear.

• Respiratory protection : Self contained breathing apparatus (SCBA) or positive pressure airline with mask are to be used in

oxygen-deficient atmospheres.

Self contained breathing apparatus is recommended, where unknown exposure may be expected, e.g. during maintenance activities on installation systems.



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Standard EN 137 - Self-contained open-circuit compressed air breathing apparatus with full face

mask. Consult respiratory device supplier's product information for the selection of the

appropriate device.

• Thermal hazards : None in addition to the above sections.

### 8.2.3. Environmental exposure controls

Refer to local regulations for restriction of emissions to the atmosphere.

See section 13 for specific methods for waste gas treatment.

### **SECTION 9: Physical and chemical properties**

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

**Appearance** 

- Physical state at 20°C / 101.3kPa
- Colour
: Gas.
: Colourless.
Odour
: Odourless.

Melting point / Freezing point : -78.5 °C Melting point at normal conditions does not exist.

At atmospheric pressure solid carbon dioxide sublimes into gaseous carbon dioxide.

Boiling point : -56.6 °C

Flammability : Non flammable.

Lower explosion limit : Not applicable.

Upper explosion limit : Not applicable.

Flash point : Not applicable for gases and gas mixtures.

Auto-ignition temperature : Non flammable.

Decomposition temperature : Not applicable.

pH : Not applicable for gases and gas mixtures.

Viscosity, kinematic : Not applicable for gases and gas mixtures.

Water solubility [20°C] : 2000 mg/l

Partition coefficient n-octanol/water (Log  $K_{ow}$ ) : 0.83 Vapour pressure [20°C] : 57.3 bar(a)

Vapour pressure [50°C] : No reliable data available.

Density and/or relative density : Not applicable for gases and gas mixtures.

Relative vapour density (air=1) : 1.52

Particle characteristics : Not applicable for gases and gas mixtures.

Nanoforms are not relevant for gases and gas mixtures.

### 9.2. Other information

### 9.2.1. Information with regard to physical hazard classes

Explosion limits : Non flammable.

Oxidising properties : No oxidising properties.

Critical temperature [°C] : 31 °C

9.2.2. Other safety characteristics

Molar mass : 44 g/mol

Other data : Gas/vapour heavier than air. May accumulate in confined spaces, particularly at or below ground

level.



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### **SECTION 10: Stability and reactivity**

10.1. Reactivity

No reactivity hazard other than the effects described in sub-sections below.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

Avoid moisture in installation systems. (See Section 7.).

10.5. Incompatible materials

For additional information on compatibility refer to ISO 11114.

10.6. Hazardous decomposition products

None.

## **SECTION 11: Toxicological information**

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity : Toxicological effects not expected from this product if occupational exposure limit values are not

exceeded.

**Skin corrosion/irritation** : No known effects from this product.

Serious eye damage/irritation : No known effects from this product.

**Respiratory or skin sensitisation** : No known effects from this product.

Germ cell mutagenicity : No known effects from this product.

Carcinogenicity : No known effects from this product.

**Toxic for reproduction : Fertility** : No known effects from this product.

**Toxic for reproduction : unborn child** : No known effects from this product.

**STOT-single exposure** : No known effects from this product.

STOT-repeated exposure : No known effects from this product.

**Aspiration hazard** : Not applicable for gases and gas mixtures.

### 11.2. Information on other hazards

Other information : Unlike simple asphyxiants, carbon dioxide has the ability to cause death even when normal

oxygen levels (20-21%) are maintained. 5% CO<sub>2</sub> has been found to act synergistically to increase the toxicity of certain other gases (CO, NO<sub>2</sub>). CO<sub>2</sub> has been shown to enhance the production of carboxy- or met-hemoglobin by these gases possibly due to carbon dioxide's stimulatory effects on the respiratory and circulatory systems. For more information, see 'EIGA Safety Info 24: Carbon

Dioxide, Physiological Hazards' at www.eiga.eu

The substance/mixture has no endocrine disrupting properties.



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## **SECTION 12: Ecological information**

#### 12.1. Toxicity

Assessment : No ecological damage caused by this product.

EC50 48h - Daphnia magna [mg/l] : No data available.

EC50 72h - Algae [mg/l] : No data available.

LC50 96 h - Fish [mg/l] : No data available.

12.2. Persistence and degradability

Assessment : No ecological damage caused by this product.

12.3. Bioaccumulative potential

Assessment : No ecological damage caused by this product.

Not expected to bioaccumulate due to the low log Kow (log  $K_{ow} < 4$ ). See section 9.

12.4. Mobility in soil

Assessment : No ecological damage caused by this product.

12.5. Results of PBT and vPvB assessment

Assessment : Not classified as PBT or vPvB.

12.6. Endocrine disrupting properties

Assessment : The substance/mixture has no endocrine disrupting properties.

12.7. Other adverse effects

Other adverse effects : Not classified as PMT or vPvM.

Effect on the ozone layer : No effect on the ozone layer.

Global warming potential [CO $_2$ =1] : 1

Effect on global warming : When discharged in large quantities may contribute to the greenhouse effect.

Contains greenhouse gases listed in Annex I of EU 2024/573.

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

### 13.1. Waste treatment methods

Discharge to atmosphere in large quantities should be avoided. Do not discharge into any place where its accumulation could be dangerous. May be vented to atmosphere in a well ventilated

place. Return unused product in original container to supplier.

Refer to the EIGA code of practice Doc.30/21 "Disposal of Gases", downloadable at

http://www.eiga.eu for more guidance on suitable disposal methods.

List of hazardous waste codes (from Commission Delegated Decision (EU) 2025/934 of 5 March 2025 amending Decision 2000/532/EC)

: 16 05 05 : Gases in pressure containers other than those mentioned in 16 05 04\*.

### 13.2. Additional information

External treatment and disposal of waste should comply with applicable local and/or national regulations.



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## **SECTION 14: Transport information**

#### 14.1. UN number or ID number

In accordance with ADR / RID / IMDG / IATA / ADN

UN-No. : 1013

14.2. UN proper shipping name

Transport by road/rail/inland waterways

(ADR/RID/ADN)

: CARBON DIOXIDE

Transport by air (ICAO-TI / IATA-DGR) : Carbon dioxide
Transport by sea (IMDG) : CARBON DIOXIDE

14.3. Transport hazard class(es)

Labelling :

2.2: Non flammable, non-toxic gases.

Transport by road/rail/inland waterways

(ADR/RID/ADN)

Class : 2
Classification code : 2A
Hazard identification number : 20

Tunnel Restriction : C/E - Tank carriage : Passage forbidden through tunnels of category C, D and E. Other carriage :

Passage forbidden through tunnels of category  ${\sf E}$ 

Transport by air (ICAO-TI / IATA-DGR)

Class / Div. (Sub. risk(s)) : 2.2

Transport by sea (IMDG)

Class / Div. (Sub. risk(s)) : 2.2
Emergency Schedule (EmS) - Fire : F-C
Emergency Schedule (EmS) - Spillage : S-V

14.4. Packing group

Transport by road/rail/inland waterways : Not applicable.

(ADR/RID/ADN)

Transport by air (ICAO-TI / IATA-DGR) : Not applicable.

Transport by sea (IMDG) : Not applicable.

14.5. Environmental hazards

Transport by road/rail/inland waterways : None.

(ADR/RID/ADN)

Transport by air (ICAO-TI / IATA-DGR) : None.

Transport by sea (IMDG) : None.

14.6. Special precautions for user

Packing Instruction(s)

Transport by road/rail/inland waterways : P200.

(ADR/RID/ADN)

Transport by air (ICAO-TI / IATA-DGR)

Passenger and Cargo Aircraft : 200.



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Cargo Aircraft only : 200.
Transport by sea (IMDG) : P200.

Special transport precautions : Avoid transport on vehicles where the load space is not separated from the driver's compartment.

Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the

event of an accident or an emergency.

Before transporting product containers:
- Ensure there is adequate ventilation.

Ensure that containers are firmly secured.Ensure valve is closed and not leaking.

- Ensure valve outlet cap nut or plug (where provided) is correctly fitted.

- Ensure valve protection device (where provided) is correctly fitted.

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

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

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

#### **RS Regulations**

Pravilnik o ograničenjima i zabranama proizvodnje, stavljanja

u promet i korišćenja hemikalija ("Sl. Glasnik RS", br. 90/13,

 $25/15, 2/16, 44/17, 36/18, 9/20, 57/22, 29/24 \,\mathrm{i}\,\, 90/25)$ 

Pravilnik o izvozu i uvozu određenih opasnih hemikalija ("Sl.

glasnik RS" br. 93/23 i 78/25)

Zakon o kontroli opasnosti od velikih udesa koji uključuju

opasne supstance ("Sl. Glasnik RS", br. 94/24)

: None.

: None.

: Not covered.

#### **EU Regulations**

Restrictions on use : None

Other information, restriction and prohibition : N

regulations

: Not listed on the PIC list (Regulation EU 649/2012). Not listed on the POP list (Regulation EU 2019/1021).

Seveso Directive : 2012/18/EU (Seveso III) : Not covered.

### 15.2. Chemical safety assessment

A CSA does not need to be carried out for this product.

### **SECTION 16: Other information**

Indication of changes : In Section 1, the Safety Data Sheet is supplemented with information about details of the supplier

of the safety data sheet.

In Section 2, the Safety Data Sheet is supplemented with other hazards.

In Section 8, the Safety Data Sheet is supplemented with information about personal protection.

In Section 12, the Safety Data Sheet is supplemented with other adverse effects.

In Section 13, the Safety Data Sheet is supplemented with information about waste treatment

methods.

In Section 15, the Safety Data Sheet is supplemented with regulatory information.

Abbreviations and acronyms : ADN - International Carriage of Dangerous Goods by Inland Waterways

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road



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ATE - Acute Toxicity Estimate

CAS - Chemical Abstract Service number

CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

CSA - Chemical Safety Assessment

**DNEL - Derived No Effect Levels** 

EINECS - European Inventory of Existing Commercial Chemical Substances

EC- European Community number

EIGA - European Industrial Gases Association

EN - European Standard

IATA - International Air Transport Association

ICAO - International Civil Aviation Organization

IMDG - International Maritime Dangerous Goods

IMO - International Maritime Organization

LC50 - Lethal Concentration to 50 % of a test population

LD50 - Lethal Dose 50%

LEL - Lower Explosive Limit

OEL - Occupational exposure limits

PBT - Persistent, Bioaccumulative and Toxic

PMT - Perzistentno, mobilno i toksično.

PNEC - Predicted No Effect Concentration

PPE - Personal Protection Equipment

PROC - Procesna kategorija (Process category).

REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006

RID - Regulations concerning the International Carriage of Dangerous Goods by Rail

RMM - Risk Management Measures

STOT - RE - Specific Target Organ Toxicity - Repeated Exposure

STOT- SE - Specific Target Organ Toxicity - Single Exposure

STEL - Short Term Exposure Limit

TWA -8-hour total weight average

UEL - Upper explosive limit

UFI - Unique Formula Identifier

**UN - United Nations** 

vPvB - Very Persistent and Very Bioaccumulative

vPvM – veoma perzistentno i veoma mobilno.

WGK - Water Hazard Class

: Receptacle under pressure. The hazard of asphyxiation is often overlooked and must be stressed during operator training. For more guidance, refer to EIGA SL 01 "Dangers of Asphyxiation",

downloadable at <a href="http://www.eiga.eu">http://www.eiga.eu</a>

: Classification in accordance with the procedures and calculation methods of Regulation (EC)

 $1272/2008 \ (\text{CLP}). \ \text{Key literature references and sources of data are maintained in EIGA doc 169}:$ 

'Classification and Labelling Guide', downloadable at <a href="http://www.eiga.eu">http://www.eiga.eu</a>

Full text of H- and EUH-statements		
H280	Contains gas under pressure; may explode if heated.	
Press. Gas (Liq.)	Gases under pressure : Liquefied gas	

Training advice

Further information



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DISCLAIMER OF LIABILITY

: Before using this product in any new process or experiment, a thorough material compatibility and safety study should be carried out.

Details given in this document are believed to be correct at the time of going to press.

Whilst proper care has been taken in the preparation of this document, no liability for injury or damage resulting from its use can be accepted.

**End of document**