



CARBONMONOXIDE

Safety Data Sheet

In accordance with the Regulation on Safety Data Sheets Regarding Hazardous Substances and Mixtures published in the Official Journal numbered 29204 on December 13, 2014

Date of issue: 25/03/2019 Version: 1.0

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

1.1. Product identifier

Product form : Substance
Substance name : CARBONMONOXIDE
EC Index-No. : 006-001-00-2
EC-No. : 211-128-3
CAS-No. : 630-08-0
REACH registration No : 01-2119480165-39
Product code : EIGA019
Formula : CO
Product group : Trade product

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

Relevant identified uses : See the list of identified uses and exposure scenarios in the annex of the safety data sheet, Industrial and professional. Perform risk assessment prior to use, Contact supplier for more information on uses.

Uses advised against : Consumer use.

1.3. Details of the supplier of the safety data sheet

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GEBZE 5 (KİMYA) İHTİSAS OSB GEBKİM OSB RECEP YAZICI CAD.NO:4
DİLOVASI
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safis@koyuncutas.com - www.koyuncutas.com

1.4. Emergency telephone number

| Country | Organisation/Company | Address | Emergency number | Comment |
|---------|---|--|------------------|---|
| Turkey | Ulusal Zehir Merkezi (UZEM) Refik Saydam Hıfzıssıhha Merkezi Başkanlığı | Cemal Gürsel Cd. No: 18 Sıhhiye Çankaya 06590 Ankara | 114 | Information is provided to public and medical personnel on poisoning incidents via 114. |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013.

Flammable gases, Category 1 H220
Gases under pressure : Compressed gas H280
Acute toxicity (inhalation:gas) Category 3 H331
Reproductive toxicity, Category 1A H360D
Specific target organ toxicity — Repeated exposure, Category 1 H372

Full text of H-statements: see section 16

2.2. Label elements

Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013.

Hazard pictograms (SEA) :



Signal word (SEA) : Danger

Hazard statements (SEA) : H220 - Extremely flammable gas.
H280 - Contains gas under pressure; may explode if heated.
H331 - Toxic if inhaled.
H360D - May damage the unborn child.
H372 - Causes damage to organs through prolonged or repeated exposure.

Precautionary statements (SEA) : P201 - Obtain special instructions before use.



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P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313 - If exposed or concerned, get medical advice and attention.
P311 - Dial 114 for the NATIONAL POISON CENTER or call a doctor/physician
P321 - Specific treatment (see supplemental first aid instruction on this label).
P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
P381 - Eliminate all ignition sources if safe to do so.
P403 - Store in a well-ventilated place.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P410+P403 - Protect from sunlight. Store in a well-ventilated place.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

Child-resistant fastening : Not applicable

Tactile warning : Not applicable

2.3. Other hazards

Other hazards not contributing to the classification

Other hazards not contributing to the classification : None.

SECTION 3: Composition/information on ingredients

3.1. Substances

| Name | Product identifier | % | Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013. |
|----------------|--|-----|--|
| CARBONMONOXIDE | (CAS-No.) 630-08-0 (EC-No.) 211-128-3 (EC Index-No.) 006-001-00-2 (REACH-no) 01-2119480165-39 | 100 | Flam. Gas 1, H220 Press. Gas (Comp.), H280 Acute Tox. 3 (Inhalation:gas), H331 Repr. 1A, H360D STOT RE 1, H372 |

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove victim to uncontaminated area wearing self contained breathing apparatus. Keep victim warm and rested. Call a doctor. Perform cardiopulmonary resuscitation if breathing stopped. Provide oxygen.

First-aid measures after skin contact : Adverse effects not expected from this product.

First-aid measures after eye contact : Adverse effects not expected from this product.

First-aid measures after ingestion : Ingestion is not considered a potential route of exposure.

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

Most important symptoms and effects, both acute and delayed : Symptoms may include dizziness, headache, nausea and loss of co-ordination. Delayed adverse effects possible. Refer to section 11.

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

Obtain medical assistance.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray or fog. Dry powder.

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



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5.2. Special hazards arising from the substance or mixture

- Reactivity in case of fire : No reactivity hazard other than the effects described in sub-sections below.
Hazardous combustion products : None that are more hazardous than the product itself.

5.3. Advice for firefighters

- Specific methods : Do not extinguish a leaking gas flame unless absolutely necessary. Spontaneous/explosive re-ignition may occur. Extinguish any other fire. 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 : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. Standard EN 943-2: Protective clothing against liquid and gaseous chemicals, aerosols and solid particles. Gas-tight chemical protective suits for emergency teams. Standard EN 137 - Self-contained open-circuit compressed air breathing apparatus with full face mask.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Try to stop release. Evacuate area. Monitor concentration of released product. Consider the risk of potentially explosive atmospheres. Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe. Eliminate ignition sources. Ensure adequate air ventilation. Act in accordance with local emergency plan. Stay upwind.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Try to stop release.

6.3. Methods and material for containment and cleaning up

- 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 : Assess the risk of potentially explosive atmospheres and the need for explosion-proof equipment. Purge air from system before introducing gas. Take precautionary measures against static discharge. Keep away from ignition sources (including static discharges). Consider the use of only non-sparking tools. Ensure equipment is adequately earthed. Avoid exposure, obtain special instructions before use. Installation of a cross purge assembly between the cylinder and the regulator is recommended. The product must be handled in accordance with good industrial hygiene and safety procedures. 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 regularly) checked for leaks before use. Do not smoke while handling product. 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.
- Safe handling of the gas receptacle : Refer to supplier's container handling instructions. Do not allow backfeed into the container. Protect cylinders 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 user experiences any difficulty operating cylinder 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 remove or deface labels provided by the supplier for the identification of the cylinder contents. Suck back of water into the container must be prevented. Open valve slowly to avoid pressure shock.



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7.2. Conditions for safe storage, including any incompatibilities

Conditions for safe storage, including any incompatibilities : Segregate from oxidant gases and other oxidants in store. All electrical equipment in the storage areas should be compatible with the risk of a potentially explosive atmosphere. 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

| CARBONMONOXIDE (630-08-0) | |
|-----------------------------------|------------------------------------|
| EU - Occupational Exposure Limits | |
| Local name | Carbon monoxide |
| IOELV TWA (mg/m ³) | 23 mg/m ³ |
| IOELV TWA (ppm) | 20 ppm |
| IOELV STEL (mg/m ³) | 117 mg/m ³ |
| IOELV STEL (ppm) | 100 ppm |
| Notes | SCOEL Recommendations (1995) |
| Regulatory reference | COMMISSION DIRECTIVE (EU) 2017/164 |

| CARBONMONOXIDE (630-08-0) | |
|--|-----------------------|
| DNEL/DMEL (Workers) | |
| Acute - systemic effects, inhalation | 117 mg/m ³ |
| Acute - local effects, inhalation | 100 ppm |
| Long-term - systemic effects, inhalation | 23 mg/m ³ |
| Long-term - local effects, inhalation | 20 ppm |
| PNEC (additional information) | |
| Additional information | None established. |

8.2. Exposure controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Consider the use of a work permit system e.g. for maintenance activities. Gas detectors should be used when toxic gases may be released. Product to be handled in a closed system and under strictly controlled conditions. Preferably use permanent leak-tight installations (e.g. welded pipes). Systems under pressure should be regularly checked for leakages. Ensure exposure is below occupational exposure limits (where available).

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.

Hand protection : Wear working gloves when handling gas containers. Standard EN 388 - Protective gloves against mechanical risk.

Eye protection : Wear safety glasses with side shields. Standard EN 166 - Personal eye-protection - specifications

Respiratory protection : Keep self contained breathing apparatus readily available for emergency use. Self contained breathing apparatus is recommended, where unknown exposure may be expected, e.g. during maintenance activities on installation systems. Standard EN 137 - Self-contained open-circuit compressed air breathing apparatus with full face mask. Never use any kind of filtering respiratory protection equipment when working with this substance due to it having poor or no warning properties.

Thermal hazard protection : None in addition to the above sections.

Environmental exposure controls : Refer to local regulations for restriction of emissions to the atmosphere. See section 13 for specific methods for waste gas treatment.



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Other information : Consider the use of flame resistant anti-static safety clothing. Standard EN ISO 14116 - Limited flame spread materials. Standard EN 1149-5 - Protective clothing: Electrostatic properties. Wear safety shoes while handling containers. Standard EN ISO 20345 - Personal protective equipment - Safety footwear.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|---|
| Physical state | : Gas |
| Molecular mass | : 28 g/mol |
| Colour | : Colourless. |
| Odour | : Odourless. |
| Odour threshold | : Odour threshold is subjective and inadequate to warn of overexposure. |
| pH | : Not applicable for gases and gas mixtures. |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Relative evaporation rate (ether=1) | : Not applicable for gases and gas mixtures. |
| Melting point | : -205 °C |
| Freezing point | : -205 °C |
| Boiling point | : -192 °C |
| Flash point | : Not applicable for gases and gas mixtures. |
| Critical temperature | : -140 °C |
| Auto-ignition temperature | : 605 °C |
| Decomposition temperature | : Not applicable. |
| Flammability (solid, gas) | : Extremely flammable gas. |
| Vapour pressure | : Not applicable. |
| Vapour pressure at 50 °C | : Not applicable. |
| Critical pressure | : 3499 kPa |
| Relative vapour density at 20 °C | : Not applicable. |
| Relative density | : 0.79 |
| Relative gas density | : 1 |
| Solubility | : Water: 30 mg/l |
| Log Pow | : 1.78 |
| Log Kow | : Not applicable for gas mixtures. |
| Viscosity, kinematic | : No reliable data available. |
| Viscosity, dynamic | : No reliable data available. |
| Explosive properties | : Not applicable. |
| Oxidising properties | : Not applicable. |
| Explosive limits | : 10.9 - 76 vol % |

9.2. Other information

Gas group : Compressed gas

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

Can form explosive mixture with air. May react violently with oxidants.

10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid moisture in installation systems.

10.5. Incompatible materials

Air, Oxidisers. See also 'EIGA Doc.95: Avoidance of Failure of CO and of CO/CO₂ Mixtures Cylinders' at www.eiga.eu. For additional information on compatibility refer to ISO 11114.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.



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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic if inhaled.

| CARBONMONOXIDE (630-08-0) | |
|---------------------------|-------------|
| LC50 inhalation rat (ppm) | 3760 ppm/1h |
| ATE (SEA) (Gases) | 3760 ppm/4h |

Skin corrosion/irritation : Not classified
pH: Not applicable for gases and gas mixtures.

Serious eye damage/irritation : Not classified
pH: Not applicable for gases and gas mixtures.

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : May damage the unborn child.

STOT-single exposure : Not classified

Target organ(s) : Blood.

STOT-repeated exposure : Causes damage to organs through prolonged or repeated exposure.

Target organ(s) : heart

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No ecological damage caused by this product.

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

| CARBONMONOXIDE (630-08-0) | |
|---------------------------------|-----------------------------------|
| LC50 96 h - Fish [mg/l] | Study scientifically unjustified. |
| EC50 48h - Daphnia magna [mg/l] | Study scientifically unjustified. |
| EC50 72h - Algae [mg/l] | Study scientifically unjustified. |

12.2. Persistence and degradability

| CARBONMONOXIDE (630-08-0) | |
|-------------------------------|---|
| Persistence and degradability | Will not undergo hydrolysis. Not readily biodegradable. |

12.3. Bioaccumulative potential

| CARBONMONOXIDE (630-08-0) | |
|---------------------------|---|
| Log Pow | 1.78 |
| Log Kow | Not applicable for gas mixtures. |
| Bioaccumulative potential | Not expected to bioaccumulate due to the low log Kow (log Kow < 4). Refer to section 9. |

12.4. Mobility in soil

| CARBONMONOXIDE (630-08-0) | |
|---------------------------|--|
| Mobility in soil | No additional information available |
| Ecology - soil | Because of its high volatility, the product is unlikely to cause ground or water pollution. Partition into soil is unlikely. |

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : Not classified as PBT or vPvB.

12.6. Other adverse effects

Ozone : Not classified

Other adverse effects : No known effects from this product.

Effect on the ozone layer : None.

Effect on global warming : Contains greenhouse gas(es).



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SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Regional legislation (waste) : Disposal must be done according to official regulations. Regulation on Incineration of Waste Materials published in the Official Journal numbered 27721 on October 6, 2010. Waste Management Regulation published in the Official Journal numbered 29314 on April 2, 2015.
- Waste treatment methods : Contact supplier if guidance is required. Do not discharge into areas where there is a risk of forming an explosive mixture with air. Waste gas should be flared through a suitable burner with flash back arrestor. Ensure that the emission levels from local regulations or operating permits are not exceeded. Refer to the EIGA code of practice Doc.30 "Disposal of Gases", downloadable at <http://www.eiga.eu> for more guidance on suitable disposal methods. Must not be discharged to atmosphere. Return unused product in original cylinder to supplier.
- Additional information : External treatment and disposal of waste should comply with applicable local and/or national regulations.
- List of hazardous waste codes (from Commission Decision 2000/532/EC as amended) : 16 05 04 *: Gases in pressure containers (including halons) containing hazardous substances.

SECTION 14: Transport information

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

| ADR | IMDG | IATA | ADN | RID |
|--|--|--|------------------------------------|------------------------------------|
| 14.1. UN number | | | | |
| 1016 | 1016 | 1016 | Not applicable | Not applicable |
| 14.2. UN proper shipping name | | | | |
| CARBON MONOXIDE, COMPRESSED | CARBON MONOXIDE, COMPRESSED | Carbon monoxide, compressed | Not applicable | Not applicable |
| Transport document description | | | | |
| UN 1016 CARBON MONOXIDE, COMPRESSED, 2.3 (2.1), (B/D) | UN 1016 CARBON MONOXIDE, COMPRESSED, 2.3 (2.1) | UN 1016 Carbon monoxide, compressed, 2.3 | Not applicable | Not applicable |
| 14.3. Transport hazard class(es) | | | | |
| 2.3 (2.1) | 2.3 (2.1) | 2.3 (2.1) | Not applicable | Not applicable |
|   |   | Not applicable | Not applicable | Not applicable |
| 14.4. Packing group | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | | | |
| Dangerous for the environment : No | Dangerous for the environment : No Marine pollutant : No | Dangerous for the environment : No | Dangerous for the environment : No | Dangerous for the environment : No |
| No supplementary information available | | | | |

14.6. Special precautions for user

- 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 cylinder 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.

- Overland transport

- Classification code (ADR) : 1TF
 Limited quantities (ADR) : 0
 Excepted quantities (ADR) : E0
 Packing instructions (ADR) : P200
 Mixed packing provisions (ADR) : MP9



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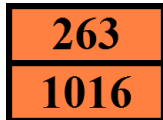
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Portable tank and bulk container instructions (ADR) : (M)
Tank code (ADR) : CxBH(M)
Tank special provisions (ADR) : TA4, TT9
Vehicle for tank carriage : FL
Transport category (ADR) : 1
Special provisions for carriage - Loading, unloading and handling (ADR) : CV9, CV10, CV36
Special provisions for carriage - Operation (ADR) : S2, S14
Hazard identification number (Kemler No.) : 263
Orange plates :



Tunnel restriction code (ADR) : B/D

- Transport by sea

Limited quantities (IMDG) : 0
Excepted quantities (IMDG) : E0
Packing instructions (IMDG) : P200
EmS-No. (Fire) : F-D
EmS-No. (Spillage) : S-U
Stowage category (IMDG) : D
Stowage and handling (IMDG) : SW2
Properties and observations (IMDG) : Flammable, toxic, odourless gas. Explosive limits: 12% to 75% Slightly lighter than air (0.97).
MFAG-No : 119

- Air transport

PCA Limited quantities (IATA) : Forbidden
PCA limited quantity max net quantity (IATA) : Forbidden
PCA packing instructions (IATA) : Forbidden
PCA max net quantity (IATA) : Forbidden
CAO packing instructions (IATA) : Forbidden
CAO max net quantity (IATA) : Forbidden
ERG code (IATA) : 10P

- Inland waterway transport

No data available

- Rail transport

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable



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SECTION 15: Regulatory information

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

15.1.1. National regulations

- Local regulations (Turkey) :
- Regulation on Health and Safety Precautions When Working with Carcinogenic and Mutagenic Substances published in the Official Journal numbered 28730 on August 6, 2013
 - Regulation on Health and Safety Precautions When Working with Chemical Substances published in the Official Journal numbered 28733 on August 12, 2013
 - Personal Protective Equipment Regulation published in the Official Journal numbered 26361 on November 29, 2006
 - Regulation on Use of Personal Protective Equipments in Workplaces published in the Official Journal numbered 28695 on July 2, 2013
 - Aerosol Containers Regulation published in the Official Journal numbered 24246 on November 30, 2000
 - Regulation on Transportation of Dangerous Goods by Road published in the Official Journal numbered 28801 on October 24, 2013
 - Simple Pressurized Containers Regulation published in the Official Journal numbered 29877 on November 3, 2016.

This product doesn't contain any substances that is controlled or prohibited for use according to the Regulation for Reduction of Ozone Depleting Substances published in the Official Journal numbered 27052 on November 12, 2008.

Restrictions on use : Restricted to professional users (Annex XVII REACH).

SECTION 16: Other information

Abbreviations and acronyms:

| | |
|--|---|
| | ATE - Acute Toxicity Estimate |
| | CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| | REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| | EINECS - European Inventory of Existing Commercial Chemical Substances |
| | CAS# - Chemical Abstract Service number |
| | PPE - Personal Protection Equipment |
| | LC50 - Lethal Concentration to 50 % of a test population |
| | RMM - Risk Management Measures |
| | PBT - Persistent, Bioaccumulative and Toxic |
| | vPvB - Very Persistent and Very Bioaccumulative |
| | STOT- SE : Specific Target Organ Toxicity - Single Exposure |
| | CSA - Chemical Safety Assessment |
| | EN - European Standard |
| | UN - United Nations |
| | ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road |
| | IATA - International Air Transport Association |
| | IMDG code - International Maritime Dangerous Goods |
| | RID - Regulations concerning the International Carriage of Dangerous Goods by Rail |
| | WGK - Water Hazard Class |
| | STOT - RE : Specific Target Organ Toxicity - Repeated Exposure |

Data sources : Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013.

Training advice : Ensure operators understand the flammability hazard. Users of breathing apparatus must be trained. Ensure operators understand the toxicity hazard.

Other information : Classification using data from databases maintained by the European Industrial Gases Association (EIGA).

Full text of H-statements

| | |
|-------------------------------|--|
| Acute Tox. 3 (Inhalation:gas) | Acute toxicity (inhalation:gas) Category 3 |
| Flam. Gas 1 | Flammable gases, Category 1 |
| Press. Gas (Comp.) | Gases under pressure : Compressed gas |
| Repr. 1A | Reproductive toxicity, Category 1A |
| STOT RE 1 | Specific target organ toxicity — Repeated exposure, Category 1 |
| H220 | Extremely flammable gas. |
| H280 | Contains gas under pressure; may explode if heated. |



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| | |
|-------|---|
| H331 | Toxic if inhaled. |
| H360D | May damage the unborn child. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |

Safety Data Sheet author's

Name : Ezgi Üstün
Certificate number : NBC 01.77.03
Certificate valid until : 28/03/2019
Contact information : eustun@koyuncutas.com

SDS Turkey

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.