

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

Sulfur sheet

Creation date 12th January 2023
Revision date Version 1.0

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

- 1.1. Product identifier**
Substance / mixture Sulfur sheet
mixture
UFI X200-U0CW-500U-QVT0
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
Cellar in farm for winemaking purposes. Disinfection of cellar walls, cellar air and emptied barrels.
Mixture uses advised against
not available
- 1.3. Details of the supplier of the safety data sheet**
Manufacturer
Name or trade name Kén Vegyipari Termelő és
Kereskedelmi Kft.
Address Devich u. 21., Répcevis, 9475
Hungary
Phone +36 (99) 543-023
E-mail kenkft@kenkft.hu
- 1.4. Emergency telephone number**
Information Center telephone number: 112

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the mixture in accordance with Regulation (EC) No 1272/2008
The mixture is classified as dangerous.

Skin Irrit. 2, H315

Full text of all classifications and hazard statements is given in the section 16.

- 2.2. Label elements**
Hazard pictogram



Signal word
Warning

Hazardous substances

sulfur
sulphur dioxide

Hazard statements

H315 Causes skin irritation.

Precautionary statements

P102 Keep out of reach of children.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water and soap.
P332+P313 If skin irritation occurs: Get medical advice/attention.

- 2.3. Other hazards**

When sulfur sheet burns, it forms a toxic gas, sulfur dioxide (SO₂). Sulfur dioxide irritates the respiratory system and breathing causes disturbances, therefore it should not be inhaled.

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

Sulfur sheet

Creation date 12th January 2023
Revision date Version 1.0

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 016-094-00-1 CAS: 7704-34-9 EC: 231-722-6	sulfur	80	Skin Irrit. 2, H315	
Index: 016-011-00-9 CAS: 7446-09-5 EC: 231-195-2	sulphur dioxide	80	Press. Gas (dissolved gas), H280 Skin Corr. 1B, H314 Acute Tox. 3, H331	1, 2, 3

Notes

1 Note U (Table 3): When put on the market gases have to be classified as "Gases under pressure", in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case. The following codes are assigned:

Press. Gas (Comp.)
Press. Gas (Liq.)
Press. Gas (Ref. Liq.)
Press. Gas (Diss.)

Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Note 2).

2 Note 5: The concentration limits for gaseous mixtures are expressed as volume per volume percentage.
3 A substance for which exposure limits are set.

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

If health problems appear, the injured person should be taken to fresh air and a doctor should be called immediately.

If inhaled

The injured person must be taken to fresh air. In case of respiratory failure, artificial respiration must be carried out immediately.

If on skin

Wash the affected skin with plenty of warm water and soap. Burns or other long-term health conditions in case of complaints, a doctor should be consulted.

If in eyes

Immediately rinse with plenty of water for at least 15 minutes and then consult a doctor.

If swallowed

Drinking large amounts of water is recommended (do not induce vomiting). Assurance of medical care is required.

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

If inhaled

not available

If on skin

not available

If in eyes

not available

If swallowed

not available

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

The attending doctor must be informed about the product causing the injury and, if necessary, the emergency telephone line consult.

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

Sulfur sheet

Creation date 12th January 2023
Revision date Version 1.0

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water mist, extinguishing foam, CO2 powder extinguisher.

Unsuitable extinguishing media

Halon.

5.2. Special hazards arising from the substance or mixture

When the product burns, toxic gas, sulfur dioxide (SO₂) is produced.

5.3. Advice for firefighters

Wearing a gas mask with a filter device suitable for the material during the injection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Comply with the regulations for working with chemicals.

6.2. Environmental precautions

It is necessary to prevent the substance from entering the sewer system, surface waters, lakes, and rivers.

6.3. Methods and material for containment and cleaning up

Collect the spilled material and dispose of it in accordance with the applicable regulations.

6.4. Reference to other sections

Section 8. and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

The use of protective equipment is recommended when using the product.

7.2. Conditions for safe storage, including any incompatibilities

Protected from food, feed, acids and their containers, away from children, in original undamaged packaging, in dry, clean, ventilated warehouses.

7.3. Specific end use(s)

Cellar in farm for winemaking purposes. Disinfection of cellar walls, cellar air and emptied barrels.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Components with limit values to be taken into account depending on the workplace:

European Union

Commission Directive (EU) 2017/164

Substance name (component)	Type	Value
sulphur dioxide (CAS: 7446-09-5)	OEL 8 hours	1,3 mg/m ³
	OEL 8 hours	0,5 ppm
	OEL 15 minutes	2,7 mg/m ³
	OEL 15 minutes	1 ppm

Germany

TRGS 900

Substance name (component)	Type	Value
sulphur dioxide (CAS: 7446-09-5)	8h	2,7 mg/m ³
	8h	1 ppm
	Short	2,7 mg/m ³
	Short	1 ppm

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

Sulfur sheet

Creation date	12th January 2023	Version	1.0
Revision date			

8.2. Exposure controls

Avoid contact of the product with the skin, eyes, or clothing, and in the event of a burn, inhale the resulting gas. At work you must refrain from eating, drinking and smoking.

Eye/face protection

The use of safety glasses is recommended.

Skin protection

The use of closed protective clothing is recommended.

Hand protection: The use of protective gloves is recommended.

Respiratory protection

If the product burns, it is recommended to use a gas mask with a filter.

Thermal hazard

not available

Environmental exposure controls

It is necessary to prevent the substance from entering the sewer system, surface waters, lakes, and rivers.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	solid
Colour	yellow
Odour	slight sulfur smell
Melting point/freezing point	160 °C
Boiling point or initial boiling point and boiling range	data not available
Flammability	flammable
Lower and upper explosion limit	data not available
Flash point	168 °C
Auto-ignition temperature	260 °C
Decomposition temperature	data not available
pH	data not available
Kinematic viscosity	data not available
Solubility in water	data not available
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	data not available
Relative vapour density	data not available
Particle characteristics	data not available

9.2. Other information

When the product burns, SO₂ is produced.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is chemically stable under the conditions of storage.

10.2. Chemical stability

The product is chemically stable under the conditions of storage.

10.3. Possibility of hazardous reactions

Not known.

10.4. Conditions to avoid

Proximity to open fire.

10.5. Incompatible materials

Substances prone to oxidation.

10.6. Hazardous decomposition products

Not known.

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

Sulfur sheet

Creation date	12th January 2023	Version	1.0
Revision date			

SECTION 11: Toxicological information

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

No toxicological test data are available for the product, including its individual components available toxicological test data are provided.

Acute toxicity

Based on the available data, it does not meet the classification criteria.

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Based on the available data, it does not meet the classification criteria.

Respiratory or skin sensitisation

Based on the available data, it does not meet the classification criteria.

Germ cell mutagenicity

Based on the available data, it does not meet the classification criteria.

Carcinogenicity

Based on the available data, it does not meet the classification criteria.

Reproductive toxicity

Based on the available data, it does not meet the classification criteria.

Toxicity for specific target organ - single exposure

Based on the available data, it does not meet the classification criteria.

Toxicity for specific target organ - repeated exposure

Based on the available data, it does not meet the classification criteria.

Aspiration hazard

Based on the available data, it does not meet the classification criteria.

11.2. Information on other hazards

not available

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

12.2. Persistence and degradability

not available

12.3. Bioaccumulative potential

not available

12.4. Mobility in soil

not available

12.5. Results of PBT and vPvB assessment

The product does not meet the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very criteria for bioaccumulative (vPvB) substances.

12.6. Endocrine disrupting properties

There is no further relevant information.

12.7. Other adverse effects

There is no further relevant information.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Safety of the product/material: The product is classified as a dangerous substance, therefore its safety is determined by the municipal together with garbage is not allowed. When disposing, take into account all state and local environmental regulations by prescription.

The harmlessness of the packaging material: Empty packaging material and collection cartons are disposed of in municipal landfills, paper, or can be dropped off freely at plastic collection points.

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

Sulfur sheet

Creation date 12th January 2023
Revision date Version 1.0

Waste management legislation

European Union (Packaging) Regulations 2014 (S.I. No. 282 of 2014). Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Directive (EU) 2018/852 of the European Parliament and of the Council of 30 May 2018 amending Directive 94/62/EC on packaging and packaging waste.

SECTION 14: Transport information

- 14.1. UN number or ID number**
not subject to transport regulations
- 14.2. UN proper shipping name**
not relevant
- 14.3. Transport hazard class(es)**
not relevant
- 14.4. Packing group**
not relevant
- 14.5. Environmental hazards**
Not known.
- 14.6. Special precautions for user**
Not known.
- 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**
COMMISSION REGULATION (EU) 2017/605 of 29 March 2017 amending Annex VI to Regulation (EC) No 1005/2009 of the European Parliament and of the Council on substances that deplete the ozone layer. COMMISSION IMPLEMENTING REGULATION (EU) 2017/1375 of 25 July 2017 amending Implementing Regulation (EU) No 1191/2014 determining the format and means for submitting the report referred to in Article 19 of Regulation (EU) No 517/2014 of the European Parliament and of the Council on fluorinated greenhouse gases. Commission Directive 2008/47/EC of 8 April 2008 amending, for the purposes of adapting to technical progress, Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers.
- 15.2. Chemical safety assessment**
Not made for the product.

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H280 Contains gas under pressure; may explode if heated.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H331 Toxic if inhaled.

Guidelines for safe handling used in the safety data sheet

P102 Keep out of reach of children.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water and soap.
P332+P313 If skin irritation occurs: Get medical advice/attention.

Other important information about human health protection

not available

Key to abbreviations and acronyms used in the safety data sheet

ADR European agreement concerning the international carriage of dangerous goods by road
AGW Occupational Exposure Limits
BCF Bioconcentration Factor
CAS Chemical Abstracts Service
CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

Sulfur sheet

Creation date	12th January 2023	Version	1.0
Revision date			

EINECS	European Inventory of Existing Commercial Chemical Substances
EK	Identification code for each substance listed in EINECS
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
log Kow	Octanol-water partition coefficient
MAK	Maximum workplace concentration
MARPOL	International Convention for the Prevention of Pollution from Ships
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
Press. Gas (Comp.)	Gas under pressure: compressed gas
Press. Gas (Diss.)	Gas under pressure: dissolved gas
Press. Gas (Liq.)	Gas under pressure: liquefied gas
Press. Gas (Ref. Liq.)	Gas under pressure: refrigerated liquefied gas
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative
Acute Tox.	Acute toxicity
Press. Gas	Gases under pressure
Skin Corr.	Skin corrosion
Skin Irrit.	Skin irritation

Training guidelines

not available

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

not available

Statement

The manufacturer of the safety data sheet and the company supplying the data sheet - the conditions of use and handling of the product unknown - cannot be held responsible for any unforeseen, non-prescribed use for damage, loss, injury, accident or similar events. The activity the executor is obliged to comply with all applicable legal regulations that apply to activities with the product applies.