

Safety Data Sheet

sulphur dioxide

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
 SDS Reference Number: D-SO2-113
 Issue date: 1/8/2015 Revision date: 11/5/2024 Supersedes version of: 1/5/2023 Version: 1.0

Danger



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

1.1. Product identifier

Trade name	:	sulphur dioxide
SDS no	:	D-SO2-113
Other means of identification	:	sulphur dioxide
	CAS-No.	: 7446-09-5
	EC-No.	: 231-195-2
	EC Index-No.	: 016-011-00-9
REACH registration No	:	01-2119485028-34
Chemical formula	:	SO2

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. Perform risk assessment prior to use.
Uses advised against	:	Consumer use. Uses other than those listed above are not supported, contact your supplier for more information on other uses.

1.3. Details of the supplier of the safety data sheet

Messer Industriegase GmbH
 Messer- Platz 1
 D - 65812 Bad Soden am Taunus
 Germany
 T +49 (0) 6196 7760-200, F +49 (0) 6196 7760-280
SDB.de@messergroup.com, www.messer.de

1.4. Emergency telephone number

Emergency telephone number	:	Messer Produktionsgesellschaft mbH Salzgitter, +49 (0) 5341 21-9333, erreichbar Montags 0:00 bis Sonntags 24:00
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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
Health hazards	Skin corrosion/irritation, Category 1, Sub-Category 1B	H314
	Serious eye damage/eye irritation, Category 1	H318
	Acute toxicity (inhalation:gas) Category 3	H331
	Specific target organ toxicity – single exposure, Category 1	H370

Safety Data Sheet

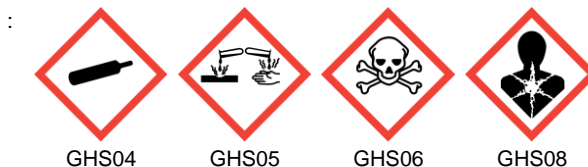
sulphur dioxide

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
SDS Reference Number: D-SO2-113

2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Hazard statements (CLP)

: H314 - Causes severe skin burns and eye damage.
H280 - Contains gas under pressure; may explode if heated.
H331 - Toxic if inhaled.
H370 - Causes damage to organs (respiratory system, respiratory tract) (if inhaled, if swallowed, in contact with skin).
EUH071 - Corrosive to the respiratory tract.

Precautionary statements (CLP)

- Prevention

: P280 - Wear eye protection, face protection, protective clothing, protective gloves.
P260 - Do not breathe gas, vapours.

- Response

: P303+P361+P353+P315 - IF ON SKIN : (or hair) Take off immediately all contaminated clothing. Rinse skin with water or shower. Get immediate medical advice.
P304+P340+P315 - IF INHALED : Remove person to fresh air and keep comfortable for breathing. Get immediate medical advice.
P305+P351+P338+P315 - IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice.

- Storage

: P405 - Store locked up.
P403 - Store in a well-ventilated place.

2.3. Other hazards

Not classified as PBT or vPvB.

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] ATE, EUH-statements, M-Factors
sulphur dioxide	CAS-No.: 7446-09-5 EC-No.: 231-195-2 EC Index-No.: 016-011-00-9 REACH registration No: 01-2119485028-34	100	Press. Gas (Liq.), H280 Skin Corr. 1B, H314 Eye Dam. 1, H318 Acute Tox. 3 (Inhalation:gas), H331 STOT SE 1, H370

Name	Product identifier	Specific concentration limits (%)
sulphur dioxide	CAS-No.: 7446-09-5 EC-No.: 231-195-2 EC Index-No.: 016-011-00-9 REACH registration No: 01-2119485028-34	(1 ≤ C ≤ 100) STOT SE 2; H371 (10 ≤ C ≤ 100) STOT SE 1; H370

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

Safety Data Sheet

sulphur dioxide

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
SDS Reference Number: D-SO2-113

3.2. Mixtures

Not applicable

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. Call a doctor. Perform cardiopulmonary resuscitation if breathing stopped.
- Skin contact : Remove contaminated clothing. Drench affected area with water for at least 15 minutes. In case of frostbite spray with water for at least 15 minutes. Apply a sterile dressing. Obtain medical assistance.
- Eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes.
- Ingestion : Ingestion is not considered a potential route of exposure.

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

Prolonged exposure to small concentrations may result in pulmonary oedema.
May cause severe chemical burns to skin and cornea. Suitable first-aid treatment should be immediately available. Seek medical advice before using product.
Material is destructive to tissue of the mucuous membranes and upper respiratory tract.
Cough, shortness of breath, headache, nausea.
See section 11.

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

Obtain medical assistance.
Treat with corticosteroid spray as soon as possible after inhalation.

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 that are more hazardous than the product itself.

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 : 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.

Safety Data Sheet

sulphur dioxide

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
SDS Reference Number: D-SO2-113

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.
 - Use chemically protective clothing.
 - Monitor concentration of released product.
 - See section 5.3 of the SDS for more information.

6.2. Environmental precautions

- Reduce vapour with fog or fine water spray.
- Try to stop release.

6.3. Methods and material for containment and cleaning up

- Hose down area with water.
- Wash contaminated equipment or sites of leaks with copious quantities of water.

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
- : Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt.
 - Avoid exposure, obtain special instructions before use.
 - Do not smoke while handling product.
 - Avoid suck back of water, acid and alkalis.
 - Only experienced and properly instructed persons should handle gases under pressure.
 - Ensure the complete gas system was (or is regularly) checked for leaks before use.
 - Installation of a cross purge assembly between the container and the regulator is recommended.
 - Purge system with dry inert gas (e.g. helium or nitrogen) before gas is introduced and when system is placed out of service.
 - The product must be handled in accordance with good industrial hygiene and safety procedures.
 - Consider pressure relief device(s) in gas installations.
 - Do not breathe gas.
 - Avoid release of product into work area.
 - Use only lubricants and sealings approved for the specific gas service.

Safety Data Sheet

sulphur dioxide

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
SDS Reference Number: D-SO2-113

Safe handling of the gas receptacle

- : Refer to supplier's container handling instructions.
- Do not allow backfeed into the container.
- 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 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 remove or deface labels provided by the supplier for the identification of the content of the container.
- Suck back of water into the container must be prevented.
- Open valve slowly to avoid pressure shock.

7.2. Conditions for safe storage, including any incompatibilities

- Store locked up.
- 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

sulphur dioxide (7446-09-5)	
Germany - Occupational Exposure Limits (TRGS 900)	
Local name	Schwefeldioxid
AGW (OEL TWA)	1.3 mg/m ³
	2.7 mg/m ³ Bis 30.6.2026 gilt ein Wert in Höhe
	0.5 ppm 1 ppm Bis 30.6.2026 gilt ein Wert in Höhe
Peak exposure limitation factor	2(l)
Remark	AGS - Ausschuss für Gefahrstoffe; Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden; EU - Europäische Union (Von der EU wurde ein Luftgrenzwert festgelegt: Abweichungen bei Wert und Spitzenbegrenzung sind möglich); 42 - Umsetzung der Richtlinie 2017/164/EU; der abgesenkte AGW ist schnellstmöglich, spätestens ab 1.7.2026 einzuhalten

Safety Data Sheet

sulphur dioxide

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
SDS Reference Number: D-SO2-113

Regulatory reference	TRGS900
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sulphur dioxide (7446-09-5)	
DNEL: Derived no effect level (Workers)	
Acute - local effects, inhalation	2.7 mg/m ³
Long-term - local effects, inhalation	2.7 mg/m ³

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

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Provide adequate general and local exhaust ventilation.
Product to be handled in a closed system.
Systems under pressure should be regularly checked for leakages.
Ensure exposure is below occupational exposure limits (where available).
Gas detectors should be used when toxic gases may be released.
Consider the use of a work permit system e.g. for maintenance activities.

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 and a face shield when transfilling or breaking transfer connections.
Provide readily accessible eye wash stations and safety showers.
Standard EN 166 - Personal eye-protection - specifications.
 - Skin protection : Wear working gloves when handling gas containers.
Wear chemically resistant protective gloves.
Standard EN 374 - Protective gloves against chemicals.
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.
Chloroprene rubber (CR).
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 : Keep suitable chemically resistant protective clothing readily available for emergency use.
Standard EN943-1 - Full protective suits against liquid, solid and gaseous chemicals.
Wear safety shoes while handling containers.
Standard EN ISO 20345 - Personal protective equipment - Safety footwear.
 - Respiratory protection : Recommended: Filter E (yellow).
Self contained breathing apparatus is recommended, where unknown exposure may be expected, e.g. during maintenance activities on installation systems.
Gas filters may be used if all surrounding conditions e.g. type and concentration of the contaminant(s) and duration of use are known.
Use gas filters with full face mask, where exposure limits may be exceeded for a short-term period, e.g. connecting or disconnecting containers.
Gas filters do not protect against oxygen deficiency.
Standard EN 14387 - Gas filter(s), combined filter(s) and standard EN136, full face masks .
Keep self contained breathing apparatus readily available for emergency use.
Standard EN 137 - Self-contained open-circuit compressed air breathing apparatus with full face mask.
 - 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	: Gas.
- Colour	: Colourless.
Odour	: Pungent.
Melting point / Freezing point	: -75.5 °C
Boiling point	: -10 °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	: If dissolved in water pH-value will be affected.
Viscosity, kinematic	: No reliable data available.
Water solubility [20°C]	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not applicable for inorganic products.
Vapour pressure [20°C]	: 3.3 bar(a)
Vapour pressure [50°C]	: 8.4 bar(a)
Density and/or relative density	: Not applicable for gases and gas mixtures.
Relative vapour density (air=1)	: 2.3
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	: Not known.
Oxidising properties	: No oxidising properties.
Critical temperature [°C]	: 158 °C

9.2.2. Other safety characteristics

Molar mass	: 64 g/mol
Other data	: Gas/vapour heavier than air. May accumulate in confined spaces, particularly at or below ground level.

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.

Safety Data Sheet

sulphur dioxide

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
SDS Reference Number: D-SO2-113

10.5. Incompatible materials

May react violently with alkalis.
Reacts with most metals in the presence of moisture, liberating hydrogen, an extremely flammable gas.
With water causes rapid corrosion of some metals.
Reacts with water to form corrosive acids.
Moisture.
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.

SECTION 11: Toxicological information

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

Acute toxicity : Toxic if inhaled.

sulphur dioxide (7446-09-5)

LC50 Inhalation - Rat [ppm]	2520 ppm/1h (ADR) 1000 ppm/4h (CLP)
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Skin corrosion/irritation : Causes severe skin burns and eye damage.
Serious eye damage/irritation : Causes serious eye damage.
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 : Causes damage to organs.
Severe corrosion to the respiratory tract at high concentrations.
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 : Delayed fatal pulmonary oedema possible.
The substance/mixture has no endocrine disrupting properties.

SECTION 12: Ecological information

12.1. Toxicity

Assessment : Classification criteria are not met.
EC50 48h - Daphnia magna [mg/l] : No data available.
EC50 72h - Algae [mg/l] : 48.1 mg/l
LC50 96 h - Fish [mg/l] : No data available.

12.2. Persistence and degradability

Assessment : Not applicable for inorganic products.

12.3. Bioaccumulative potential

Assessment : Product is an inorganic gas with a low potential to bioaccumulate in aquatic species.

12.4. Mobility in soil

Assessment : Because of its high volatility, the product is unlikely to cause ground or water pollution.
Partition into soil is unlikely.

Safety Data Sheet

sulphur dioxide

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
SDS Reference Number: D-SO2-113

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 : May cause pH changes in aqueous ecological systems.

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

Effect on global warming : No known effects from this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Gas may be scrubbed in alkaline solution under controlled conditions to avoid violent reaction.

Contact supplier if guidance is required.

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 container to supplier.

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.

13.2. Additional information

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

SECTION 14: Transport information

14.1. UN number or ID number

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

UN-No. : 1079

14.2. UN proper shipping name

Transport by road/rail/inland waterways (ADR/RID/ADN) : SULPHUR DIOXIDE

Transport by air (ICAO-TI / IATA-DGR) : Sulphur dioxide

Transport by sea (IMDG) : SULPHUR DIOXIDE

14.3. Transport hazard class(es)

Labelling :



2.3 : Toxic gases.

8 : Corrosive substances.

Transport by road/rail/inland waterways (ADR/RID/ADN)

Class : 2

Classification code : 2TC

Hazard identification number : 268

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

Transport by sea (IMDG)

Class / Div. (Sub. risk(s))	: 2.3 (8)
Emergency Schedule (EmS) - Fire	: F-C
Emergency Schedule (EmS) - Spillage	: S-U

14.4. Packing group

Transport by road/rail/inland waterways (ADR/RID/ADN)	: Not applicable.
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 (ADR/RID/ADN)	: None.
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 (ADR/RID/ADN)	: P200.
Transport by air (ICAO-TI / IATA-DGR)	
Passenger and Cargo Aircraft	: Forbidden.
Cargo Aircraft only	: Forbidden.
Transport by sea (IMDG)	: P200.

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

EU-Regulations

Restrictions on use	: None.
Other information, restriction and prohibition 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)	: Covered.

National regulations

Water hazard class (WGK)	: 1 - Slightly hazardous to water.
Kenn-Nr.	: 416

Safety Data Sheet

sulphur dioxide

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
SDS Reference Number: D-SO2-113

Regulatory reference	<p>: Ensure all national/local regulations are observed.</p> <p>Law on the Protection of Young People at Work (Jugendarbeitsschutzgesetz-JArbSchG)</p> <p>Ordinance on Industrial Safety and Health (BetrSichV)</p> <p>TRBS 3145/TRGS 745 - Transportable pressurized gas containers - Filling, holding, internal transport, emptying</p> <p>TRGS 510 - Storage of hazardous substances in transportable containers</p> <p>TRGS 407 - Activities with gases - Risk assessment</p> <p>TRBS 2141 - Hazards due to steam and pressure - General requirements</p> <p>The Ordinance on Installations for the Handling of Substances Hazardous to Water (AwSV)</p> <p>Storage class according to TRGS 510: 2A Gases (without aerosol dispensers and lighters)</p> <p>Technical Instructions on Air Quality Control (TA Luft).</p> <p>Gesetz zum Schutz von Müttern bei der Arbeit, in der Ausbildung und im Studium (Mutterschutzgesetz – MuSchG)</p> <p>Verordnung über Verbote und Beschränkungen des Inverkehrbringens gefährlicher Stoffe, Zubereitungen und Erzeugnisse nach dem Chemikaliengesetz (Chemikalien-Verbotsverordnung-ChemVerbotsV) .</p> <p>Vierte Verordnung zur Durchführung des Bundes-Immissionsschutzgesetzes (Verordnung über genehmigungsbedürftige Anlagen - 4. BImSchV) Anhang 2 Stoffliste zu Nr. 9.3 des Anhangs 1.</p> <p>Zwölfte Verordnung zur Durchführung des Bundes-Immissionsschutzgesetzes (12. BImSchV-Störfall-Verordnung).</p>
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15.2. Chemical safety assessment

A CSA has been carried out.

SECTION 16: Other information

Indication of changes	: Revised safety data sheet in accordance with commission regulation (EU) No 2020/878.
Abbreviations and acronyms	<p>: ATE - Acute Toxicity Estimate.</p> <p>CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.</p> <p>REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.</p> <p>EINECS - European Inventory of Existing Commercial Chemical Substances.</p> <p>CAS# - Chemical Abstract Service number.</p> <p>PPE - Personal Protection Equipment.</p> <p>LC50 - Lethal Concentration to 50 % of a test population.</p> <p>RMM - Risk Management Measures.</p> <p>PBT - Persistent, Bioaccumulative and Toxic.</p> <p>vPvB - Very Persistent and Very Bioaccumulative.</p> <p>STOT- SE : Specific Target Organ Toxicity - Single Exposure.</p> <p>CSA - Chemical Safety Assessment.</p> <p>EN - European Standard.</p> <p>UN - United Nations.</p> <p>ADR - Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>IATA - International Air Transport Association.</p> <p>IMDG code - International Maritime Dangerous Goods.</p> <p>RID - Regulations concerning the International Carriage of Dangerous Goods by Rail.</p> <p>WGK - Water Hazard Class.</p> <p>STOT - RE : Specific Target Organ Toxicity - Repeated Exposure.</p> <p>UFI : Unique Formula Identifier.</p>
Training advice	: Users of breathing apparatus must be trained.
Further information	<p>Ensure operators understand the toxicity hazard.</p> <p>: Classification in accordance with the procedures and calculation methods of Regulation (EC) 1272/2008 (CLP).</p> <p>Key literature references and sources of data are maintained in EIGA doc 169 : 'Classification and Labelling Guide', downloadable at http://www.Eiga.eu .</p>

Safety Data Sheet

sulphur dioxide

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
SDS Reference Number: D-SO2-113

Full text of H- and EUH-statements	
Acute Tox. 3 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 3
EUH071	Corrosive to the respiratory tract.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
H280	Contains gas under pressure; may explode if heated.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H370	Causes damage to organs.
H371	May cause damage to organs.
Press. Gas (Liq.)	Gases under pressure : Liquefied gas
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
STOT SE 1	Specific target organ toxicity – single exposure, Category 1
STOT SE 2	Specific target organ toxicity – Single exposure, Category 2

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.

Safety Data Sheet

sulphur dioxide

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
SDS Reference Number: D-SO2-113

Annex to the safety data sheet

This Annex documents the Exposure Scenarios (ESs) related to the identified uses of the registered substance. The ESs detail protective measures for workers and the environment in addition to those described in sections 7, 8, 11, 12 and 13 of the SDS that are required to ensure that the potential exposure to workers and the environment remains within acceptable levels for each of the identified uses.

Table of contents of the Annex

Identified Uses	Es N°	Short title	Page
Formulation of mixtures in pressure receptacles	EIGA113-1	Industrial uses, closed contained conditions	Fehler! Textmark e nicht definiert.
Calibration of analysis equipment	EIGA113-1	Industrial uses, closed contained conditions	Fehler! Textmark e nicht definiert.
Transfilling in pressure receptacles	EIGA113-1	Industrial uses, closed contained conditions	Fehler! Textmark e nicht definiert.
Metal treatment	EIGA113-2	Industrial uses, closed and open conditions	Fehler! Textmark e nicht definiert.
Feedstock in chemical processes	EIGA113-2	Industrial uses, closed and open conditions	Fehler! Textmark e nicht definiert.
Glass coating	EIGA113-2	Industrial uses, closed and open conditions	Fehler! Textmark e nicht definiert.
Water treatment	EIGA113-2	Industrial uses, closed and open conditions	Fehler! Textmark e nicht definiert.
Lubrication of rollers in glass manufacture	EIGA113-2	Industrial uses, closed and open conditions	Fehler! Textmark e nicht definiert.
Resin curing	EIGA113-2	Industrial uses, closed and open conditions	Fehler! Textmark e nicht definiert.
Refilling of refrigeration equipment	EIGA113-3	Professional uses	Fehler! Textmark e nicht definiert.
Wine making	EIGA113-3	Professional uses	Fehler! Textmark e nicht definiert.

Exposure scenario

sulphur dioxide

Annex to the safety data sheet

Reference number: D-SO2-113

CAS-No.: 7446-09-5 Product form: Substance Physical state: Gas

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