

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



421089 GASODOR® S-FREE

Version 8

Revision Date 14.01.2011

Print Date 14.01.2011

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Commercial Product Name : GASODOR® S-FREE
Material number : 421089

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

Use of the Substance/Mixture : Fragrance mix

1.3 Details of the supplier of the safety data sheet

Company : Symrise AG
Mühlenfeldstrasse 1
D-37603 Holzminden

Telephone : +495531900
Telefax : +495531901649
E-mail address : sds@symrise.com

For further information, please contact:
Symrise AG - Tel.: +49 / (0)5531 / 90-0

1.4 Emergency telephone number

Symrise AG - Tel.: +49 / (0)5531 / 90-0

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

| | |
|--------------------------|------|
| Flam. Liq. 2 | H225 |
| Acute Tox. 4, Oral | H302 |
| Acute Tox. 4, Inhalation | H332 |
| Acute Tox. 4, Dermal | H312 |
| Skin Irrit. 2 | H315 |
| Eye Irrit. 2 | H319 |
| Skin Sens. 1 | H317 |
| STOT SE 3 | H335 |

Classification (67/548/EEC, 1999/45/EC)

F; R11
Xn; R20/21/22
Xi; R43
Xi; R36/37/38

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

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Hazard pictograms :



Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.

Precautionary statements : **Prevention:**
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P243 Take precautionary measures against static discharge.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

2.3 Other hazards

no data available

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Chemical characterization : Mixture

3.2 Mixtures

Hazardous components

| Chemical Name | CAS-No. EC-No. Registration number | Classification (67/548/EEC) | Classification (REGULATION (EC) No 1272/2008) | Concentration [%] |
|----------------|--|---|---|----------------------|
| Ethyl acrylate | 140-88-5 205-438-8 | F; Xn R11 R20/21/22 R36/37/38 R43 | Eye Irrit.: 2; H319 STOT SE: 3; H335 Skin Irrit.: 2; H315 Skin Sens.: 1; H317 Flam. Liq.: 2; H225 Acute Tox.: 4 (Inhalation); H332 Acute Tox.: 4 (Dermal); H312 Acute Tox.: 4 (Oral); H302 | >= 50 - <= 100 |

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| | | | | |
|--------------------------|-------------------------|---|---|--------------|
| Methyl acrylate | 96-33-3 202-500-6 | F; Xn R11 R20/21/22 R36/37/38 R43 | Skin Sens.: 1; H317 Skin Irrit.: 2; H315 STOT SE: 3; H335 Eye Irrit.: 2; H319 Flam. Liq.: 2; H225 Acute Tox.: 4 (Inhalation); H332 Acute Tox.: 4 (Dermal); H312 Acute Tox.: 4 (Oral); H302 | >= 25 - < 50 |
| 2-Ethyl-3-methylpyrazine | 15707-23-0 239-799-8 | Xn R10 R22 | Acute Tox.: 4 (Oral); H302 Flam. Liq.: 3; H226 | >= 1 - < 5 |

For the full text of the H-Statements mentioned in this Section, see Section 16.

For the full text of the R-phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

- General advice : Move out of dangerous area.
Never give anything by mouth to an unconscious person.
- Inhalation : Consult a physician.
Move to fresh air.
- Skin contact : Take off all contaminated clothing immediately.
If symptoms persist, call a physician.
Wash off immediately with soap and plenty of water.
- Eye contact : Protect unharmed eye.
Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.
- Ingestion : Clean mouth with water and drink afterwards plenty of water.
Prevent vomiting if possible.
If a person vomits when lying on his back, place him in the recovery position.
Never give anything by mouth to an unconscious person.
If accidentally swallowed obtain immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

no data available

4.3 Indication of immediate medical attention and special treatment needed

no data available

5. Fire-fighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Extinguishing media which shall not be used for safety reasons : High volume water jet

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5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting : Flash back possible over considerable distance.
Do not use a solid water stream as it may scatter and spread fire.

5.3 Advice for firefighters

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

Further information : In the event of fire and/or explosion do not breathe fumes.
Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation.
Use personal protective equipment.
Keep people away from and upwind of spill/leak.
Remove all sources of ignition.
Wear respiratory protection.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
No special environmental precautions required.
Prevent further leakage or spillage if safe to do so.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Dam up.
Wipe up with absorbent material (e.g. cloth, fleece).

Additional advice : Local authorities should be advised if significant spillages cannot be contained.
Suppress (knock down) gases/vapours/mists with a water spray jet.

6.4 Reference to other sections

For personal protection see section 8.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.
Wear personal protective equipment.
In case of insufficient ventilation, wear suitable respiratory equipment.
Do not smoke.
Take precautionary measures against static discharges.
Avoid contact with skin and eyes.
Avoid exceeding of the given occupational exposure limits (see section 8).
For personal protection see section 8.

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Advice on protection against fire and explosion : Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).
Use explosion-proof equipment.
Avoid formation of aerosol.
Do not spray on a naked flame or any other incandescent material.
When using do not smoke.
Do not empty into drains.
Keep away from open flames, hot surfaces and sources of ignition.

Temperature class : T2

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container.
Store in cool place.
Keep container tightly closed.
To maintain product quality, do not store in heat or direct sunlight.
No smoking.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions : Storage must be in accordance with the BetrSichV (Germany).

Advice on common storage : No special restrictions on storage with other products.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end uses

Fragrance mix

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters, Germany:

| Components | CAS-No. | Control parameters | Update | Basis |
|-----------------|----------|--------------------|---------|----------|
| Ethyl acrylate | 140-88-5 | AGW 5 ppm | 07 2009 | TRGS 900 |
| Methyl acrylate | 96-33-3 | AGW 5 ppm | 01 2006 | TRGS 900 |

Components with workplace control parameters, United Kingdom:

| Components | CAS-No. | Control parameters | Update | Basis |
|----------------|----------|--------------------------|--------------|----------------------|
| Ethyl acrylate | 140-88-5 | STEL 15 ppm TWA 5 ppm | 2005 2005 | EH40 WEL EH40 WEL |

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Components with workplace control parameters, France:

| Components | CAS-No. | Control parameters | Update | Basis |
|-----------------|----------|--------------------------|--------------------|------------------------|
| Ethyl acrylate | 140-88-5 | VME 5 ppm | 06 2006 | INRS (FR) |
| Methyl acrylate | 96-33-3 | VME 10 ppm VLE 15 ppm | 06 2006 06 2006 | INRS (FR) INRS (FR) |

8.2 Exposure controls

Engineering measures

none

Personal protective equipment

- Respiratory protection : In the case of vapour formation use a respirator with filter model A2P2.
- Hand protection : Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred.
Wear chemicals-resistant gloves, e.g. safety gloves of chloroprene Level 2 or of butyl rubber Level 6.
- Eye protection : Safety glasses
- Skin and body protection : Lightweight protective clothing
Remove and wash contaminated clothing before re-use.
- Hygiene measures : Avoid contact with skin, eyes and clothing.
Wash hands before breaks and immediately after handling the product.
- Protective measures : Avoid contact with skin.
When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

- Form : clear liquid
- Colour : colorless to reddish-brownish
- Odour : characteristic

Safety data

- Flash point : 5 °C
- Water solubility : immiscible
- Relative density : 0,9300 - 0,9400 at 20 °C (relation to density of water at 4 °C)
- Vapour pressure : 83 mbar at 25 °C
- Boiling point : 80 °C at 1.013,0 mbar
- Melting point/freezing point : no data available

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| | | |
|---|---|----------------------|
| Partition coefficient: n-octanol/water | : | no data available |
| pH | : | no data available |
| Viscosity, dynamic | : | no data available |
| Viscosity, kinematic | : | no data available |
| Evaporation rate | : | no data available |
| Flammability (solid, gas) | : | no data available |
| Ignition temperature | : | 395 °C |
| Minimum ignition energy | : | 80 J @ 1 bar, 120 °C |
| Autoignition temperature | : | no data available |
| Oxidizing properties | : | no data available |
| Lower explosion limit | : | 1,6 %(V) at 120 °C |
| Upper explosion limit | : | 23 %(V) at 120 °C |
| Conductivity | : | no data available |
| Bulk density | : | no data available |
| Solubility/qualitative | : | no data available |
| Solubility in other solvents | : | no data available |
| Impact Sensitivity | : | no data available |
| Burning number | : | no data available |
| Relative vapour density | : | no data available |

9.2 Other data

None.

10. STABILITY AND REACTIVITY

| | | |
|--|---|--|
| 10.1 Reactivity | : | no data available |
| 10.2 Chemical stability | : | no data available |
| 10.3 Possibility of hazardous reactions | : | Vapours may form explosive mixture with air. |
| 10.4 Conditions to avoid | : | no data available |
| 10.5 Incompatible materials to avoid | : | no data available |
| 10.6 Hazardous decomposition products | : | no data available |

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11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

| | | |
|--|---|--|
| Acute oral toxicity | : | Acute toxicity estimate : 577,56 mg/kg, Calculation method |
| Acute inhalation toxicity | : | Acute toxicity estimate : 11,28 mg/l , Calculation method |
| Acute dermal toxicity | : | Acute toxicity estimate : 1.180,66 mg/kg, Calculation method |
| Repeated dose toxicity | : | no data available |
| Acute toxicity (other routes of administration) | : | no data available |
| Skin irritation | : | no data available |
| Eye irritation | : | no data available |
| Sensitisation | : | no data available |
| Mutagenicity | : | no data available |
| Carcinogenicity | : | no data available |
| Reproductive toxicity | : | no data available |
| Teratogenicity | : | no data available |
| Specific target organ toxicity - single exposure | : | no data available |
| Specific target organ toxicity - repeated exposure | : | no data available |
| Aspiration toxicity | : | no data available |

12. ECOLOGICAL INFORMATION

12.1 Toxicity

no data available

12.2 Persistence and degradability

no data available

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

no data available

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12.6 Other adverse effects

None known.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product : Where possible recycling is preferred to disposal or incineration.
If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.

14. TRANSPORT INFORMATION

14.1 UN number

ADR : 1266
RID : 1266
IMDG : 1266
IATA-DGR : 1266

14.2 Proper shipping name

ADR : PERFUMERY PRODUCTS
RID : PERFUMERY PRODUCTS
IMDG : PERFUMERY PRODUCTS
IATA-DGR : Perfumery products

14.3 Transport hazard class

ADR : 3
RID : 3
IMDG : 3
IATA-DGR : 3

14.4 Packing group

ADR:
Packaging group : II
Classification Code : F1
Hazard identification No : 33
Labels : 3
Tunnel restriction code : (D/E)

RID:
Packaging group : II
Classification Code : F1
Hazard identification No : 33
Labels : 3

IMDG:
Packaging group : II
Labels : 3
EmS - EmS : F-E, S-D

IATA-DGR:

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Packing instruction (cargo aircraft) : 364
Qty/Pkg (Cargo) : 60,00 L
Packing instruction (passenger aircraft) : 353
Qty/Pkg (Passanger) : 5,00 L
Packaging group : II
Labels : 3

14.5 Environmental hazards

ADR:
Environmentally hazardous : no

RID:
Environmentally hazardous : no

IMDG:
Marine pollutant : no

IATA-DGR:
Environmentally hazardous : no

14.6 Special precautions for user

no data available

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

not applicable

15. REGULATORY INFORMATION

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

National legislation

Risk classification according to BetrSichV (Germany) : Flash point less than 21 °C, at 15 °C not miscible in water

Water contaminating class (Germany) : WGK 2 (water endangering)
Calculation acc. Annex 4 to VwVwS

TA Luft List (Germany) : Type: Organic Substances
portion Class 1: 97,48 %

15.2 Chemical Safety Assessment

no data available

16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3:

R10 Flammable.
R11 Highly flammable.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R22 Harmful if swallowed.
R36/37/38 Irritating to eyes, respiratory system and skin.
R43 May cause sensitization by skin contact.

Full text of H-Statements referred to under sections 2 and 3.:

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| | |
|------|--------------------------------------|
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Any data changes with reference to previous versions are marked by a vertical line in front of the concerned paragraph.