

# Safety data sheet

## according to UK REACH

Printing date 11.12.2025

Version number 7

Revision: 11.12.2025

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

- **1.1 Product identifier**

- **Trade name:** SHERASCANSPRAY

- **Article number:** SD802000

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

No further relevant information available.

- **Application of the substance / the mixture:** Auxiliary for dental technology

- **1.3 Details of the supplier of the safety data sheet**

- **Manufacturer/Supplier:**

SHERA Werkstoff-Technologie GmbH  
Espohlstraße 53  
D-49448 Lemförde  
GERMANY  
sdb@shera.de  
+ 49 (0) 54 43 - 9933 - 0

- **Further information obtainable from:** Department of product security.

- **1.4 Emergency telephone number:**

Giftinformationszentrum-Nord +49 (0) 551-19240  
(Information in german or english)

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**

- **Classification according to Regulation (EC) No 1272/2008:**

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

- **2.2 Label elements**

- **Labelling according to Regulation (EC) No 1272/2008:**

The product is classified and labelled according to the GB CLP regulation.

- **Hazard pictograms:**



GHS02 GHS09

- **Signal word:** Danger

- **Hazard statements:**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H411 Toxic to aquatic life with long lasting effects.

- **Precautionary statements:**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P273 Avoid release to the environment.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents / container in accordance with local / regional / national / international regulations.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment:**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

GB

(Contd. on page 2)

# Safety data sheet according to UK REACH

Printing date 11.12.2025

Version number 7

Revision: 11.12.2025

**Trade name: SHERASCANSPRAY**

(Contd. of page 1)

## SECTION 3: Composition/information on ingredients

**· 3.2 Mixtures**

**· Description:** Mixture of substances listed below with nonhazardous additions.

**· Dangerous components:**

CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-01-8 Reg.nr.: 01-2119485395-27	isobutane Flam. Gas 1A, H220; Press. Gas (Comp.), H280	50-100%
CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5 Reg.nr.: 01-2119457610-43	ethanol Flam. Liq. 2, H225	2.5-10%
CAS: 109-66-0 EINECS: 203-692-4 Index number: 601-006-00-1 Reg.nr.: 01-2119459286-30	pentane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336, EUH066	<5%

**· Additional information:** For the wording of the listed hazard phrases refer to section 16.

## SECTION 4: First aid measures

**· 4.1 Description of first aid measures**

**· After inhalation:**

Supply fresh air; consult doctor in case of complaints.

Take affected persons into fresh air and keep quiet.

In case of unconsciousness place patient stably in side position for transportation.

**· After skin contact:**

Generally the product does not irritate the skin.

In cases of frost bites, rinse with plenty of water. Do not remove clothing.

Rinse with warm water.

If skin irritation continues, consult a doctor.

**· After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**· After swallowing:**

If symptoms persist consult doctor.

Rinse out mouth and then drink plenty of water.

**· 4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**· 4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

## SECTION 5: Firefighting measures

**· 5.1 Extinguishing media**

**· Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**· For safety reasons unsuitable extinguishing agents:** Water with full jet.

**· 5.2 Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon monoxide (CO).

Can form explosive gas-air mixtures.

**· 5.3 Advice for firefighters**

**· Protective equipment:**

Do not inhale explosion gases or combustion gases.

(Contd. on page 3)

GB

# Safety data sheet according to UK REACH

Printing date 11.12.2025

Version number 7

Revision: 11.12.2025

## Trade name: SHERASCANSPRAY

Mouth respiratory protective device.

(Contd. of page 2)

## SECTION 6: Accidental release measures

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

Ensure adequate ventilation.

Keep people at a distance and stay on the windward side.

Keep away from ignition sources.

Wear protective equipment. Keep unprotected persons away.

### · 6.2 Environmental precautions

Do not allow to enter sewers / surface or ground water.

### · 6.3 Methods and material for containment and cleaning up

Ensure adequate ventilation.

Allow to evaporate.

Dispose of the material collected according to regulations.

### · 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## SECTION 7: Handling and storage

### · 7.1 Precautions for safe handling

Keep away from heat and direct sunlight.

Use only in well ventilated areas.

Open and handle receptacle with care.

### · Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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

#### · Storage

#### · Requirements to be met by storerooms and receptacles:

Store in a cool location.

Observe official regulations on storing packagings with pressurised containers.

#### · Information about storage in one common storage facility:

Not required.

#### · Further information about storage conditions:

Keep container tightly sealed.

Do not seal receptacle gas tight.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

#### · Storage class:

TRGS 510: 2B

### · 7.3 Specific end use(s)

No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### · 8.1 Control parameters

#### · Ingredients with limit values that require monitoring at the workplace:

##### 75-28-5 isobutane

AGW (Germany)	Long-term value: 2400 mg/m <sup>3</sup> , 1000 ppm 4(II);DFG
---------------	---

##### 64-17-5 ethanol

WEL (Great Britain)	Long-term value: 1920 mg/m <sup>3</sup> , 1000 ppm
AGW (Germany)	Long-term value: 380 mg/m <sup>3</sup> , 200 ppm 4(II);DFG, Y

(Contd. on page 4)

GB

# Safety data sheet according to UK REACH

Printing date 11.12.2025

Version number 7

Revision: 11.12.2025

**Trade name: SHERASCANSPRAY**

(Contd. of page 3)

## 109-66-0 pentane

WEL (Great Britain)	Long-term value: 1800 mg/m <sup>3</sup> , 600 ppm
AGW (Germany)	Long-term value: 3000 mg/m <sup>3</sup> , 1000 ppm 2(II);DFG, EU, Y
IOELV (EU)	Long-term value: 3000 mg/m <sup>3</sup> , 1000 ppm

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.  
Wash hands before breaks and at the end of work.

· **Respiratory protection:** Not necessary if room is well-ventilated.

· **Hand protection:** Not required.

· **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **As protection from splashes gloves made of the following materials are suitable:**

Nitrile rubber, NBR

Butyl rubber, BR

Natural rubber, NR

· **Eye/face protection**



Tightly sealed goggles

## SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Aerosol

· **Colour:**

Whitish

· **Odour:**

characteristic

· **Melting point/freezing point:**

Undetermined.

· **Boiling point or initial boiling point and boiling range**

-11 °C

· **Flammability**

Not applicable.

· **Lower and upper explosion limit**

1.8 Vol % (75-28-5 isobutane)

· **Lower:**

8.5 Vol % (75-28-5 isobutane)

· **Upper:**

Not applicable, as aerosol.

· **Flash point:**

460 °C

· **Auto-ignition temperature:**

Not determined.

· **Decomposition temperature:**

Not applicable.

· **pH**

Not applicable.

· **Viscosity:**

Not determined.

· **Kinematic viscosity**

Not determined.

· **Dynamic:**

Not determined.

(Contd. on page 5)

GB

# Safety data sheet according to UK REACH

Printing date 11.12.2025

Version number 7

Revision: 11.12.2025

**Trade name: SHERASCANSPRAY**

(Contd. of page 4)

· <b>Solubility</b>	
· <b>water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
· <b>Vapour pressure at 20 °C:</b>	3,000 hPa
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C:</b>	0.64 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>9.2 Other information</b>	
· <b>Appearance:</b>	
· <b>Form:</b>	Aerosol
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air / vapour mixtures are possible.
· <b>Solvent content:</b>	
· <b>VOC (EC):</b>	94.00 %
· <b>Solids content:</b>	<10.0 %
· <b>Change in condition:</b>	
· <b>Evaporation rate</b>	Not applicable.
· <b>Information with regard to physical hazard classes</b>	
· <b>Explosives</b>	Void.
· <b>Flammable gases</b>	Void.
· <b>Aerosols</b>	Extremely flammable aerosol. Pressurised container: May burst if heated.
· <b>Oxidising gases</b>	Void.
· <b>Gases under pressure</b>	Void.
· <b>Flammable liquids</b>	Void.
· <b>Flammable solids</b>	Void.
· <b>Self-reactive substances and mixtures</b>	Void.
· <b>Pyrophoric liquids</b>	Void.
· <b>Pyrophoric solids</b>	Void.
· <b>Self-heating substances and mixtures</b>	Void.
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void.
· <b>Oxidising liquids</b>	Void.
· <b>Oxidising solids</b>	Void.
· <b>Organic peroxides</b>	Void.
· <b>Corrosive to metals</b>	Void.
· <b>Desensitised explosives</b>	Void.

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials** No further relevant information available.
- **10.6 Hazardous decomposition products** No dangerous decomposition products known.

GB

(Contd. on page 6)

# Safety data sheet according to UK REACH

Printing date 11.12.2025

Version number 7

Revision: 11.12.2025

**Trade name: SHERASCANSPRAY**

(Contd. of page 5)

## SECTION 11: Toxicological information

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

· **Acute toxicity:** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

**64-17-5 ethanol**

Oral	LD50	10,470 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rabbit)
Inhalative	LC50/4 h	117-125 mg/l (Rat)

- **Primary irritant effect:**

· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

· **Serious eye damage/irritation** Based on available data, the classification criteria are not met.

· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

· **Carcinogenicity** Based on available data, the classification criteria are not met.

· **Reproductive toxicity** Based on available data, the classification criteria are not met.

· **STOT-single exposure** Based on available data, the classification criteria are not met.

· **STOT-repeated exposure** Based on available data, the classification criteria are not met.

· **Aspiration hazard** Based on available data, the classification criteria are not met.

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

## SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

**64-17-5 ethanol**

EC50/72 h	275 mg/l (Algae)
LC50/48 h	5,012 mg/l (Daphnia (Daphnia magna))

· **12.2 Persistence and degradability** The single components are biodegradable.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

- **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.

- **12.7 Other adverse effects**

· **Remark:** Harmful to fish.

- **Additional ecological information:**

- **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation:**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **Waste disposal key:**

The waste disposal code as prescribed in the European Waste Catalogue (EWC) depends on the waste producer and can thus vary for a product. The waste disposal code should thus be obtained separately from the waste producer in each case.

(Contd. on page 7)

GB

# Safety data sheet according to UK REACH

Printing date 11.12.2025

Version number 7

Revision: 11.12.2025

**Trade name: SHERASCANSPRAY**

(Contd. of page 6)

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## SECTION 14: Transport information

· 14.1 UN number or ID number	
· ADR, IMDG, IATA	UN1950
· 14.2 UN proper shipping name	
· ADR	1950 AEROSOLS
· IMDG	AEROSOLS
· IATA	AEROSOLS, flammable
· 14.3 Transport hazard class(es)	
· ADR	
	
· Class	2 5F Gases.
· Label	2.1
· IMDG, IATA	
	
· Class	2.1 Gases.
· Label	2.1
· 14.4 Packing group	
· ADR, IMDG, IATA	Void.
· 14.5 Environmental hazards:	
· Marine pollutant:	No.
· 14.6 Special precautions for user	Warning: Gases.
· Hazard identification number (Kemler code):	-
· EMS Number:	F-D,S-U
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ):	1L
· Excepted quantities (EQ):	Code: E0
	Not permitted as Excepted Quantity
· Transport category:	2
· Tunnel restriction code:	D
· Remarks:	LQ: Maximum 30 kg per package (carton), apply "UN 1950" (rhombus) and "AEROSOLES" onto the carton.
· IMDG	
· Limited quantities (LQ):	1L

(Contd. on page 8)

GB

# Safety data sheet according to UK REACH



Printing date 11.12.2025

Version number 7

Revision: 11.12.2025

## Trade name: SHERASCANSPRAY

(Contd. of page 7)

· <b>Excepted quantities (EQ):</b>	Code: E0 Not permitted as Excepted Quantity
· <b>UN "Model Regulation":</b>	UN 1950 AEROSOLS, 2.1

## SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Poisons Act**
- **Regulated explosives precursors**  
None of the ingredients is listed.
- **Regulated poisons**  
None of the ingredients is listed.
- **Reportable explosives precursors**  
None of the ingredients is listed.
- **Reportable poisons**  
None of the ingredients is listed.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category**  
P3a FLAMMABLE AEROSOLS  
E2 Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **National regulations:**
- **Information about limitation of use:**  
Employment restrictions concerning juveniles must be observed.  
Employment restrictions concerning pregnant and lactating women must be observed.
- **Other regulations, limitations and prohibitive regulations** Customs tariff number: 3212 90 00
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

This information is based on the state of knowledge and experience pertaining on the date of issue. The information is not to be taken as a guarantee of product properties and do not constitute the basis for a contractual legal relationship. The details must not be changed or transferred to other products. Duplication in an unchanged state is permissible.

- **Relevant phrases**
  - H220 Extremely flammable gas.
  - H225 Highly flammable liquid and vapour.
  - H280 Contains gas under pressure; may explode if heated.
  - H304 May be fatal if swallowed and enters airways.
  - H336 May cause drowsiness or dizziness.
  - H411 Toxic to aquatic life with long lasting effects.
  - EUH066 Repeated exposure may cause skin dryness or cracking.

- **Department issuing SDS:** Department of product security.

- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organisation  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

(Contd. on page 9)  
GB

**Safety data sheet  
according to UK REACH**



Printing date 11.12.2025

Version number 7

Revision: 11.12.2025

**Trade name: SHERASCANSPRAY**

(Contd. of page 8)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1A: Flammable gases – Category 1A

Aerosol 1: Aerosols – Category 1

Press. Gas (Comp.): Gases under pressure – Compressed gas

Flam. Liq. 2: Flammable liquids – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

• \* Data compared to the previous version altered.

GB