

Material Safety Data Sheet

according regulation (EC) No 1907/2006 (REACH)



Identification : Contactspray
Article no.: 2311
Version : 5. März 2008
Print date : 14/09/2010

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01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation:

Contactspray

Use of the substance/preparation:

Color marking spray to check contact and occlusal surfaces in dental labs.

Company/undertaking identification: Feguramed GmbH, Jahnstr. 2, D – 74722 Buchen-Hettingen, GERMANY

Technical information: Anwendungstechnik (Telefon +49(0)6281/5227-0)

Telephone / fax / email: +49(0)6281/5227-0 / +49(0)6281/5227-15 / E-Mail: msds@feguramed.com

02. HAZARDS IDENTIFICATION

Hazard identification and hazards to man and the environment

R12: Extremely flammable.

Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn even after use. Do not spray on a naked flame or incandescent material.

03. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

Pigment dye in butane in aerosol spray can.

Hazardous ingredients

Chemical name	Concentration [% by weight]	CAS No.	Index No.	R phrases	Hazard symbols
n-butane, iso-butane	80-95	106-97-8	601-004-00-0	12	F+

Ingredients with EC concentration limits

Please see chapter 16. OTHER INFORMATION for the wording of the above mentioned R phrases.

04. FIRST AID MEASURES

Inhalation

take a deep breath of fresh air

Eye contact

Rinse 15 min with water while the eyelid is open.

Skin contact

Wash with water and soap.

Ingestion

Don't induce vomiting. Consult a doctor.

05. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Foam and powder

Extinguishing media which shall not be used for safety reasons

direct water jet

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Do not expose to sunshine, keep away from sources of ignition and heat

Special protective equipment for fire-fighters

06. ACCIDENTAL RELEASE MEASURES

Personal precautions and methods for cleaning up

Keep away from sources of ignition, ventilate room and dispose a leaky can.

Environmental precautions

Please see chapters 08. EXPOSURE CONTROLS/PERSONAL PROTECTION and 13. DISPOSAL CONSIDERATIONS

07. HANDLING AND STORAGE

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Precautions for safe handling and conditions for safe storage

Store at room temperature in a well ventilated area. Do not expose to sunshine, keep away from sources of ignition and heat. Do not smoke.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values and/or biological limit values

Minimisation of exposure and exposure control

a) Equipment for individual protection

The type of equipment for individual protection has to be chosen according to concentration and quantity of hazardous compounds.

Respiratory protection

no

Eye protection

safety goggles

Hand protection

yes

Skin protection

No protective suite or boots are necessary, if the product is used as indicated.

b) Specific hygiene measures

Don't eat, drink or smoke while working with this material

c) Environmental exposure controls

Please see chapters 06. ACCIDENTAL RELEASE MEASURES and 07. HANDLING AND STORAGE. No further methods are required.

09. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state: liquidified gas
Colour : red and green
Odour : practically odourless

Important health, safety and environmental information

Lower explosive limit : 1,4 Vol%
Vapour pressure : (20 °C) 1,6 - 2,2 mbar
Density : (20 °C) 0,58 (butane at 20 °C) g/cm3
Viscosity: (20 °C) mPa•s
Water solubility: (20 °C) 61 mg/l g/l
Boiling point / range : (1013 mbar) -0,5 (butane) °C
Melting point: °C
Flash point : -60 °C (butane) °C

Upper explosive limit : 9,4 Vol%
Vapour pressure : (50 °C) mbar
Bulk density : (20 °C) g/cm3

pH value (20 °C) not valid
Setting point: (1013 hPa) °C
Solidification point: °C
Ignition temperature : 365 °C (butane) °C

Additional physical and chemical properties are not available.

10. STABILITY AND REACTIVITY

Conditions to avoid

Thermal decomposition: Not known, if used for the designated purpose. °C

Materials to avoid

Do not expose to temperatures exceeding 50 °C, danger of bursting.

Hazardous decomposition products

Not known

11. TOXICOLOGICAL INFORMATION

no toxicity in well ventilated areas.. The toxicological classification of the preparation was made according DIRECTIVE 1999/45/EC concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.

Conclusion from test data

No data available

Conclusion from experience

No data available

Information on ingredients

LD50 (oral, rat): mg/kg (IUCLID)
Eye of Rabbit:

LD50 (inhal., rat): mg/l/4h (IUCLID)
Skin of rabbit (24 h):

12. ECOLOGICAL INFORMATION

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Ecotoxicity

TOC value:
Acute bacterial toxicity:

CSB value:
Acute toxicity on fishes:

Mobility

No data available

Bioaccumulative potential

No data available

Other adverse effects

No data available

Persistence and degradability

No data available

Results of PBT assessment

No data available

13. DISPOSAL CONSIDERATIONS

Disposal and six-digit waste code according 2000/532/EC

Completely empty cans: public waste disposal. Not-empty cans: Follow local waste management regulations. Waste disposal code: 16 05 01.

Recommendation: Obey and follow local waste disposal regulations.

14. TRANSPORT INFORMATION

Transport by road / rail ADR/RID

Class : 2; 5F
UN number: 1950

Proper shipping name: Aerosols, flammable
Packing Group: -

Transport by sea IMDG/GGVSee

IMDG code : 2, page 2102
UN number : 1950
EmS: F-D-S-U

Marine Pollutant: -
Proper shipping name: Aerosols, flammable
Packing Group: -

Transport by air ICAO-TI and IATA-DGR

Class : 2.1
UN number : 1950

Proper shipping name: Aerosols, flammable
Packing Group: -

15. REGULATORY INFORMATION

Label according to EC Directive

Symbols and indications of danger

F+: Extremely flammable. Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn even after use. Do not spray on a naked flame or incandescent material. Keep out of the reach of children. During shipment, storage and use the product should not be exposed to flame and ignition sources.

Determinant ingredient for labelling

contains: butane

R phrases

R12 Extremely flammable.

S phrases

S9 Keep container in a well-ventilated place.

S16 Keep away from sources of ignition - No smoking.

S33 Take precautionary measures against static discharges.

Other information

GGVS/ADR: Rn 2201/aerosol cans; GGVE/RID: Rn 201/aerosol cans.

EC Regulations

The product is labelled according to EC regulations.

Safety assessment

A safety assessment of ingredients of this preparation was not performed.

National regulations

Effects on the aquatic environment

0 - low risk for water (self declaration); can be removed mechanically from waste water. according to VwVwS, Annex 4 (Germany)

16. OTHER INFORMATION

Included EC Directives / Regulations

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- DIRECTIVE 1999/45/EC concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.
- DIRECTIVE 2006/121/EC amending Council Directive 67/548/EEC on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances in order to adapt it to Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and establishing a European Chemicals Agency.
- REACH regulation (EC) No. 1907/2006

Non-statutory recommendations by supplier

Only for professional, industrial use – not for public, non-professional use.

R phrases, which are mentioned in chapter 3

R12 Extremely flammable.

References: <http://www.baua.de>
 <http://www.arbeitssicherheit.de>

Changes made since the last version

Anpassung gemäß REACH-Verordnung (EG) Nr. 1907/2041

Responsible department

Safety Data Sheet, msds@feguramed.com

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any purpose other than that for which it was intended.

This does not in any way excuse the user from knowing all of the regulations covering his activity. It is the sole responsibility of the user to take all precautions required in handling the product.

The aim of the mandatory regulations mentioned is to help the user to fulfill obligations regarding hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring the existence of legal obligations, other than those mentioned, for which he is solely responsible.