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Identification of the substance / Preparation and Company:

1.1 Product identifier

> Tradename: Relevant identified uses of the substance or

1.2

mixture and uses advised against:

Application of the substance / the mixture:

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Street / mailbox:

Country code. / postal code / city: Phone:

E-mail / Website:

Further information obtainable from:

Emergency telephone number

SILADENT Dr. Böhme & Schöps GmbH:

MarmoScan-Spray Plus

No further relevant information available.

Flatting agent, Matting agent

SILADENT Dr. Böhme & Schöps GmbH

Im Klei 26

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+49 (0) 53 21 / 38 96 32 info@siladent.de / www.siladent.de

SILADENT Dr. Böhme & Schöps GmbH

+49 (0) 53 21 / 37 79 - 0 (Mon-Fri. 8 a.m. – 4 p.m.)

Hazards Identification:

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



Fax:

GHS02 flame

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

Harmful to aquatic life with long lasting effects.

burst if heated.

Aquatic Chronic 3 H412

2.2 Label elements:

Labelling according to Regulation (EC) No

1272/2008

Hazard pictograms:

The product is classified and labelled according to the CLP

regulation.



GHS02

Signal word: Danger.

Hazard statements:

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

Harmful to aquatic life with long lasting effects. H412

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking.

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

P251 Do not pierce or burn, even after use. P273 Avoid release to the environment.

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

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

Additional information: Keep out of the reach of children

2.3 Other hazards:

Results of PBT and vPvB PBT: Not applicable. assessment: vPvB: Not applicable

Composition/ information on ingredients

Chemical characterization: Mixtures

Description: Mixture of substances listed below with non-hazardous

additions.

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Dangerous components	· ·	
CAS: 75-28-5	isobutane	50-100%
EINECS: 200-857-2	Flam. Gas 1, H220; Press. Gas, H280	
CAS: 64-17-5	ethanol	10-25%
EINECS: 200-578-6	Flam. Liq. 2, H225	
CAS: 109-66-0	pentane	2,5-5 %
EINECS: 203-692-4	Flam. Liq. 2, H225; 🏶 Asp. Tox. 1, H304; 🍄 Aquatic	
	Chronic 2, H411; STOT SE 3, H336	

Additional information: For the wording of the listed risk phrases refer to section 16.

4		- 1.1		_
4.	First	aıd	measure	s:

4.1 Description of first aid measures After inhalation: Supply fresh air; consult doctor in case of complaints.

Generally the product does not irritate the skin. After skin contact:

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.

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

Indication of any immediate medical attention

and special treatment needed:

No further relevant information available.

No further relevant information available.

Fire Fighting measures:

Extinguishing media

Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water

spray or alcohol resistant foam.

Water with full jet

5.2 For safety reasons unsuitable extinguishing

agents:

4.3

Special hazards arising from the substance or No further relevant information available.

mixture

5.3 Advice for firefighters

Protective equipment:

Do not inhale explosion gases or combustion gases.

Accidental release measures:

Personal precautions, protective equipment and emergency procedures

Environmental precautions:

6.2 6.3 Methods and material for containment and

cleaning up: 6.4 Reference to other sections Wear protective equipment. Keep unprotected persons away.

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

Ensure adequate ventilation.

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

Handling and Storage:

Handling:

Precautions for safe handling: Keep away from heat and direct sunlight.

> Use only in well ventilated areas. Open and handle receptacle with care.

Keep ignition sources away - Do not smoke.

protection: Protect against electrostatic charges.

Conditions for safe storage, including any incompatibilities

7.2

Requirements to be met by storerooms and

Information about fire - and explosion

receptacles:

Store in a cool location.

Observe official regulations on storing packagings with

pressurized containers.

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Specific end use(s):

Information about storage in one common

storage facility: Not required.

Keep container tightly sealed. Further information about storage conditions:

Do not seal receptacle gas tight.

Store in cool, dry conditions in well, sealed receptacles.

Protect from heat and direct sunlight. No further relevant information available.

8. Exposure controls / Personal protection:

Additional information about design of

No further data; see item 7.

8.1 Control parameters:

technical facilities:

7.3

Ingredients with limit values that require monitoring at the workplace:

64-17-5 ethanol

Long-term value: 1920 mg/m³, 1000 ppm WEL

109-66-0 pentane

WEL Long-term value: 1800 mg/m³, 600 ppm

Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures: Wash hands before breaks and at the end of work.

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

Protection of hands: The glove material has to be impermeable and resistant to the

product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation 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't 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 protection:

Tightly sealed goggles

Physical and chemical properties:

Information on basic physical and chemical properties

General information:

Appearance:

Form: Aerosol Colour: Whitish Odour: Characteristic Odour threshold: Not determined. pH-value: Not determined.

Change in condition:

Undetermined. Melting point / Melting range:

-11°C Boiling point / Boiling range:

Not applicable, as aerosol. Flash point:

Flammability (solid, gaseous): Not applicable.

Ignition temperature: 460°C

Decomposition temperature: Not determined.

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Auto-ignition temperature: Product is not self-igniting.

Explosive properties: Not determined.

Explosion limits:

Lower: 1,8 Vol % (Isobutan) 8,5 Vol % (Isobutan) Upper:

Vapour pressure at 20°C: 3000 hPa Density at 20°C: 0.64 a/cm3 Relative density Not determined. Vapour density Not determined. Evaporation rate Not applicable.

Not miscible or difficult to mix. Solubility in / miscibility with water:

Partition coefficient (n-octanol /water): Not determined.

Viscosity:

Kinematic:

Dynamic: Not applicable.

> Not determined. Not applicable. Not determined.

21.8 9% Solvent content: Organic solvents: 90 %

VOC (EC)

8.0 % Solids content:

Other information No further relevant information available.

Stability and Reactivity:

10.1 Reactivity: No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be No decomposition if used according to specifications.

avoided:

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.

Toxicological Information:

11.1 Information on toxicological effects

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

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.

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

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

Ecological Information: 12.

12.1 Toxicity

Aquatic toxicity: No further relevant information available. 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.

Additional ecological information:

General notes: Water hazard class 1 (German Regulation) (Self-assessment):

slightly hazardous for water.

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12.5 Results of PBT and vPvB assessment

PBT: Not applicable. vPvB: Not applicable.

12.6 Other adverse effects: No further relevant information available.

Disposal Considerations:

13.1 Waste treatment methods Must not be disposed together with the household garbage. Recommendation Do not allow product to reach sewage system.

13.2 European waste catalogue:

16 (00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST.
16 (05 00	Gases in pressure containers and discarded chemicals.
16 (05 04	Gases in pressure containers (including halons) containing dangerous substances.

13.3 Uncleaned packaging -Recommendation:

Disposal must be made according to official regulations.

Do not allow undiluted product or large quantities of it to reach

ground water, water course or sewage system.

Transport Information:

14.1 UN-Number ADR, IMDG, IATA UN1950

14.2 UN proper shipping name

1950 AEROSOLS ADR: IMDG: **AEROSOLS**

AEROSOLS, flammable IATA:

14.3 Transport hazard class(es)

ADR

Class: 2 5F Gases.

Label: 2.1

IMDG, IATA

2.1 Class: Label: 2.1

14.4 Packaging group

ADR, IMDG, IATA: Void

14.5 Environmental hazards

Marine pollutant: No.

14.6 Special precautions for user: Warning Gases.

Danger code Kemmler:

EMS Number: F-D.S-U

14.7 Transport in bulk according to Annex II of Not applicable.

MARPOL 73/78 and the IBC code:

Transport / Additional information:

ADR

Excepted quantities (EQ): E0 Limited quantities (LQ): 1L

Excepted quantities (EQ): Code: E0 Not permitted as Excepted Quantity

Transport category: D Tunnel restriction code:

IMDG

Limited quantities (LQ): 1L

Excepted quantities (EQ): Code: E0 Not permitted as Excepted Quantity

UN "Model Regulation": UN1950, AEROSOLS, 2.1

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Regulatory Information:

15.1 Labelling according to Regulation (EC) No.

1272/2008:

The product is classified and labelled according to the CLP

SILADE

regulation.

Labelling according to Regulation (EC) No

1272/2008:

GHS label elements

Directive 2012/18/EU

Named dangerous substances - ANNEX I:

Seveso category:

P3a FLAMMABLE AEROSOLS Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t Conditions of restriction: 3

REGULATION (EC) No 1907/2006 ANNEX

XVII:

None of the ingredients is listed

15.2 Chemical Safety Assessment:

A Chemical Safety Assessment has not been carried out.

Further Information:

This information is based on our present knowledge. However this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

16.1 Relevant phrases:

H220: Extremely flammable gas.

Highly flammable liquid and vapour. H225

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.

16.2 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).

Dangerous Goods Regulations by the "International Air Transport Association". IATA-DGR:

International Civil Aviation Organization. ICAO:

Technical Instructions by the "International Civil Aviation Organization". ICAO-TI:

Accord européen sur le transport des marchandises dangereuses par Route (European ADR:

Agreement concerning the International Carriage of Dangerous Goods by Road).

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

GHS: Globally Harmonized System of Classification and Labelling of Chemicals.

EINECS: European Inventory of Existing Commercial Chemical Substances.

ELINCS: European List of Notified Chemical Substances.

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

VOC: Volatile Organic Compounds (USA, EU). PBT: Persistent, Bioaccumulative and Toxic very Persistent and very Bioaccumulative vPvB:

Flam. Gas 1: Flammable gases - Category 1

Aerosol 1: Aerosols - Category 1

Press. Gas C: Gases under pressure - Compressed gas

Flammable liquids - Category 2 Flam. Lig. 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 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3

* Data compared to the previous version altered.