

Safety data sheet
in accordance with 1907/2006/EC, article 31

Date of printing : 08.05.2017

1. Identification of the substance/preparation and company:

- Trade name: Schabos chalk sprays

- Identification of the company:

Schabos GmbH
Widdersdorfer Str.236-240
D-50825 Köln

info@schabos.de

- Information-issuing division: Purchasing department (0221-99877-0)

- Emergency telephone number :

Anti-poison centre:
Spanndauer Damm 130, Haus 10
D-14050 Berlin Tel.: 030/19240

2. Hazards identification

- Hazard characterisation: F+ Extremely flammable, Xi Irritant

- Specific hazard references for humans and the environment:

R 12 Extremely flammable
R 66 Repeated exposure may cause skin dryness or cracking.
R 67 Vapours may cause drowsiness and dizziness .
R 36 Irritating to eyes.

Container is pressurised. Don't open them with force or damage or burn them, even after use. Keep out of the reach of children. Do not breathe spray. Avoid contact with skin and eyes. Keep containers in a well-ventilated place. Spray mist and lacquer vapours are lightly flammable. Don't spray in the direction of flames or incandescent objects. Keep away from sources of ignition-No smoking. Use only in well-ventilated areas . In use, may form flammable/explosive vapour-air mixture. Protect against sunlight and heating over 50 ° C. Deposit only completely empty cans at Central Garbage Collection Points. N°EAK-150104. Partially empty cans should be disposed of in duly designated Garbage Collection Points. Solvent abuse can kill instantly. Do not empty into drains. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Irritating to eyes.

- Classification system: The classification corresponds to the current EC lists, but is supplemented by data from the professional literature and by company information.

3.Composition/data on the components

- Chemical characterisation: Compressed gas packaging with combustible propellant.

- Description: Preparation from the substances listed below with non-dangerous admixtures.

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- Hazardous content substances:

CAS-No. EINECS-No.	Description	%	Symbol	R-sentences
67-63-0 200-661-7	Isopropanol	> 30	F, Xi	11,36,67
111-76-2 203-905-0	Butylglykol	3,5	Xn	20/21/22-36/38
74-98-6 200-827-9	Propan	5-15	F+	12
106-97-8 203-448-7	Butan	15-30	F+	12

4. First aid measures

- General direction: In case poisoning symptoms appear, immediately contact a physician.
Contact the poison advising centre (030/19240)
 - after inhalation: Persons suffering from headaches, nausea and dizziness should be taken out into the fresh air.
 - after skin contact: wash off with water and soap.
 - after eye contact: Immediately rinse the eyes for several minutes - with eyelids held open - under flowing water. Then consult a physician.
 - after swallowing: If swallowed, do not induce vomiting: seek medical advice immediately.
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5. Fire-fighting measures

- Appropriate extinguishing substances: Foam, powder. The compressed gas packaging should be cooled by means of dispersed water spray.
 - For safety reasons unsuitable extinguishing agents: water in direct full spray
 - Particular protective gear: wear breathing protection device
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6. Accidental release measures

- Personal precautionary measures: Ensure good ventilation. Remove sources of ignition.
 - Environmental protection measures: Do not allow to penetrate into the sewers, waterways or soil.
 - Procedures for cleaning/absorption: Soak up with liquid-binding material. Dispose of (sand, universal binder, sawdust) residues as waste in accordance with point 13
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7. Handling and storage

- Handling:

- a) Directions for safe handling: Ensure good ventilation/air suction at the work site.
- b) Directions for fire/explosion protection: Keep ignition sources away. Don't smoke.

- Storage:

- a) Requirement for storage areas and containers: Ensure good ventilation: TRG300
- b) Co-storage instructions: unnecessary
- c) Further data on the storage conditions:
- d) Warehouse class: TRG300

8. Exposure limit and personal protective gear

- Additional direction on the design of technical facilities:

- Components with workplace-related limits that must be monitored:

CAS-No.	Name of the substance	%	Type	Value	Unit
67-63-0	Isopropanol	> 30	MWC	980	mg/m ³
				400	ml/m ³
111-76-2	Butylglykol	3,5	MWC	100	mg/m ³
				20	ml/m ³
74-98-6	Propan	5-15	MWC	1800	mg/m ³
				1000	ml/m ³
106-97-8	Butan	15-30	MWC	2400	mg/m ³
				1000	ml/m ³

(*MWC = Maximum Workplace Concentration)

- Additional instruction: The TRGS 900 valid at the time of drafting (April 2001) served as the basis.

- Personal protective gear:

a) General protection and hygiene measures:

Keep away from food, drinks and animal feed. Immediately remove soiled or impregnated clothing. Wash hands before breaks and at the end of each working shift. Avoid contact with the eyes and the skin.

b) Breathing protection: In case of poor ventilation, use breathing filter device. Breathing filter A1, identification colour brown.

c) Hand protection: solvent-resistant protective gloves, Nitrilkautschuk or Fluorkautschuk

d) Eye protection: if applicable, close-fitting protective goggles

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9. Physical and chemical characteristics

- Form: liquid
 - Colour: in accordance with product description
 - Odour: of organic solvents
 - Condition change: Upon exiting from the can at 20°C, the propellant share converts from a liquid to a gaseous state.
 - Melting point/melting range: not applicable
 - Boiling point/boiling range: not applicable
 - Flash point: not applicable
 - Ignition temperature: 490° Celsius
 - Self-ignition capacity: the product does not present a danger of explosion, yet the formation of explosive vapour/air mixtures is possible.
 - Explosion limits: lower: 1,5 volume %
upper: 9,5 volume %
 - Vapour pressure: at 20° C 3-4 bar
at 50° C 10,4 bar
 - Density: at 20° C 0.95 g/ml lacquer
 - Solubility/miscibility in water: not miscible
 - Viscosity: 15-16 DIN 4
 - VOC : 240 gr per can
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10. Stability and reactivity

- Thermal decomposition/conditions to be avoided: No decomposition when used in accordance with directions.
 - Dangerous reactions: At temperatures over 50°C the can will burst after exceeding the bursting pressure (around 13 - 14 bar). Ensure good ventilation during and after the work. During use, the development of explosive, easily-ignited vapour/air mixtures is possible.
 - Dangerous decomposition products: No dangerous decomposition products are known.
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11. Toxicological information

Toxicological (health) effects and possible symptoms after exposure:

Information on the product:

The product was classified on the basis of the calculation procedure of the preparations directive (1999/45/EC). Irritation is possible by contact of the product with the skin, respiratory organs or the eyes. Solvent vapours have a narcotic effect if inhaled in high concentrations

Information on the component(s):

Isopropanol (CAS-Nummer: 67-63-0 , EINECS-Nummer: 200-661-7)

Akute Toxizität: LD50-oral, Ratte >4570 mg/kg

Akute Toxizität: tödliche Dosis dermal, Kaninchen > 13400 mg/kg

Akute Toxizität: Inhalation, LC50/ 4h, 30mg/l Ratte

Keine Reizwirkung an der Haut, Reizwirkung am Auge, keine sensibilisierende Wirkung bekannt

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12. Ecological information

Information on the component(s):

Isopropanol (CAS-Nummer: 67-63-0 , EINECS-Nummer: 200-661-7)

Fisch: LC/IC/EC50, 100-1000 mg/l

Wirbellose Tiere: LC/IC/EC50 : > 1000 mg/l

Algen: LC/IC/EC50: > 1000 mg/l

Bakterien: LC/IC/EC50: > 1000 mg/l

Bemerkung : Praktisch nicht giftig, LC/EC/IC50 : > 1000 mg/l

General instructions: water endangerment class 1 (VwVwS Mai 1999). Not to be allowed into the ground water, waterways or sewer system.

13. Directions for disposal

- Product: residue-free can should be directed to tinplate recycling
 - Schlüsselnummer: EAK-Nr.150104 (EG)
 - Uncleaned packaging: deposit cans with residues at the collection point for old lacquers.
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14. Transport information

- Statistical commodity number: 32082090
 - Land transport ADR/RID und GGVS/GGVE (cross-border/domestic):
 - ADR/RID-GGVS/E class: 2
 - Figure/letter: 5 F , limited quantity LQ2
 - UN-Number: 1950 Aerosols
 - Ocean-going vessel transport IMDG/GGVSee:
 - IMDG/GGVSee-class: 2.1
 - UN-Number: 1950 Aerosols
 - Label : 2.1
 - Packaging group: -
 - EMS-Number: F-D,S-U
 - Marine pollutant: No
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15. Regulatory information

- Characterisation according to EC Directives:
The classification corresponds to the current EC lists
- Identification letter and hazard description of the product: F+ Extremely flammable
Xi Irritant
- Hazard-determining components for labelling: Propane, Butane , Isopropanol
- R-sentences: R 12 Extremely flammable
R 66 Repeated exposure may cause skin dryness or cracking.
R 67 Vapours may cause drowsiness and dizziness .
R 36 Irritating to eyes.
- S-sentences: S 2 Keep out of the reach of children
S 25 Avoid contact with eyes
S 9 Keep container in a well-ventilated place
S 16 Keep away from sources of ignition - No smoking
S 23 Do not breathe aerosol
S 24 Avoid contact with skin
- Particular characterisation of specific preparations:
- National regulations: (for Germany) Gefahrstoffverordnung (Hazardous Substances Regulation)
Aerosol Directive
- Classification under VbF: dropped
- Water endangerment class: 1 (VwVwS Mai 1999)

16. Other information

Warning !

Container is pressurised. Don't open them with force or damage or burn them, even after use. Keep out of the reach of children. Do not breathe spray. Avoid contact with skin and eyes. Keep containers in a well-ventilated place. Spray mist and lacquer vapours are lightly flammable. Don't spray in the direction of flames or incandescent objects. Keep away from sources of ignition-No smoking. Use only in well-ventilated areas . In use, may form flammable/explosive vapour-air mixture. Protect against sunlight and heating over 50 ° C. Deposit only completely empty cans at Central Garbage Collection Points. N°EAK-150104. Partially empty cans should be disposed of in duly designated Garbage Collection Points. Solvent abuse can kill instantly. Do not empty into drains. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Irritating to eyes.

These data are based on the current state of our knowledge, but they do not represent a guarantee of product characteristics and do not form the basis of any contractual legal relationship.

- Division issuing data sheet: Laboratory department (Quality assurance)