Page 1 of 6

Safety Data Sheet in Accordance with Regulation (EC) No 1907/2006

Date of issue: 27.03.2009 Replaces Data Sheet of:

"" alterations as compared to previous version; n.ap. = not applicable; n.av. = not available

Identification of Substance / Preparation and Company

Identification of Substance or Preparation

Trade Name:

B/S Spange Basic Pinselkleber

Material number: 020111

Use:

Brush adhesive

Company / Undertaking Identification

Address of the Company / Undertaking:

Bernd Stotz GmbH, Fuggerstr. 36 a, 92224 Amberg, Germany Telephone: +49 9621 22188, Telefax: + 49 9621 21048 Contact Person: Mr. Bernd Stolz, eMail: info@bs-spange.de

Responsible:

CHEMCO123 - Chemical Consultancy, graduate chemist, Rosemarie Fechner

Emergency - Telephone

Information Centre Specialising

in Symptoms of Poisoning Telephone: +49 30 19240

Emergency - Telephone of Company / Undertaking

Telephone +49 9621 22188

2 Hazards Identification

For Humans Classification:



R 36/37/38 - Irritating to eyes, respiratory system and skin.

Contains 1,4-Dihydroxybenzene (Hydrochinone). May produce an allergic reaction.

Additional advice:

Repeated or prolonged skin contact with the unexposed coating may cause skin imitation and/or dermatitis and sensitization of susceptible persons.

Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

For the Environment:

Water endangering.

3 Composition / Information on Ingredients

Chemical Characterisation:

Mixture of Acrylates und Methacrylates

	CAS - No.	Index - No.	EC - No.				
No. of the last	7085-85-0	607-236-00-9		Material	m% - range	Symbol	R - phrase
	123-31-9		230-391-5	Ethyl-2-cyanacrylate	> 80 %	Xi	R 36/37/38
	.2001-0	004-005-00-4	204-617-8	1,4-Dihydroxybenzene; Hydrochinone	0,1 < C < 1 %	Xn; N	R 22-40-41-
		607-134-00-4					43-50
177	Remarks:			Methacrylates	1 < C < 20 %	Xi	R 36/37/38

Classification and labelling of a product is indicated under item 15.

Exposure Controls / Personal Protection under item 8

R -phrase(s) under item 16

4 First Aid Measures

General advice:

Show this safety data sheet to the doctor in attendance.

Inhalation:

Move to fresh air. Consult a physician.

Skin Contact:

Wash off with soap and warm water.

Consult a physician.

page 2 of 6

Tradename: Tipkleber

Company / Distributor: Bernd Stolz GmbH, Fuggerstr. 36 a, 92224 Amberg, Germany Telephone: +49 9621 22188, Date of issue: 27.03.2009 Replaces Data Sheet of:

Eye Contact:

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Ingestion:

Clean mouth with water.

Call a physician immediately.

Note to Physician:

Treat symptomatically.

In case of lung irritation first treatment with dexametason aerosol (spray).

Special Equipment: Dexametason aerosol.

Fire Fighting Measures

Suitable Extinguishing Media: Use dry chemical, CO2, water spray or "alcohol" foam.

Extinguishing Media to Avoid: None.

Fire and Explosion Hazards:

In the event of fire the following can be released: Hydrogen cyanide (hydrocyanic acid), carbon oxides and

Additional Information: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special Protective Equipment:

Wear positive pressure self-contained breathing apparatus.

Wear full protective clothing.

6 Accidental Release Measures

Personal Precautions:

Ensure adequate ventilation. Keep away from sources of ignition - No smoking. Avoid contact with skin and eyes.

Environmental Precautions:

Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained. Soak up with inert absorbent material (e.g. sand, universal binder). Shovel into suitable container for disposal.

Methods for Cleaning up:

Clean-up methods - large spillage:

Soak up with inert absorbent material (e.g. sand, universal binder). Shovel into suitable container for disposal. Clean-up methods - small spillage:

Soak up with inert absorbent material (e.g. sand, universal binder). Shovel into suitable container for disposal.

Use personal protective equipment

Handling and Storage

Handling

Precautions for Safe Handling:

Keep container tightly closed in a cool, well-ventilated place. Avoid contact with skin and eyes. Ensure adequate ventilation, especially in confined areas.

Precautions in Case of Fire and Explosion:

The product is flammable. Normal measures for preventive fire protection.

Keep away from sources of ignition - No smoking.

Storage

Storage Instructions:

Keep container tightly closed in a cool, well-ventilated place. Protect against humid air and water.

Store away from:

Keep away from oxidising agents, strongly alkaline materials and amines.

Further Information on Storage Conditions:

Keep away from heat.

page 3 of 6

Tradename: Tipkleber

Company / Distributor: Bernd Stoiz GmbH, Fuggerstr. 36 a, 92224 Amberg, Germany Telephone: +49 9621 22188, Date of issue: 27.03.2009 Replaces Data Sheet of:

8 Exposure Controls and Personal Protection

Information on System Design:

Ensure adequate ventilation, especially in confined areas. Provide personal protective equipment

CAS / Material

Limit Value according to TRGS 900/ EC Guidline 2000/39:

2 mg/m³, respirable dust fraction

123-31-9 / 1,4-Dihydroxybenzol; Hydrochinon Personal Protective Equipment General Protection and Hygiene:

Do not breathe vapour. Avoid contact with skin and eyes. Remove and wash contaminated clothing before re-use. When using do not eat or drink. When using do not smoke.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment - respirator

with filter B.

Hand Protection:

Excessive exposure:

Protective gloves (Nitril rubber) according to EN 374.

Break through time: Break through time: > 480 Min. Glove thickness: 0,7 mm / Level 6.

Short time exposure: Protective gloves according to EN 374. (Nitril rubber).

Break through time: > 30 Min. Glove thickness: 0,4 mm / Level 2.

Refer to manufacturer of gloves for detailed information.

Eye Protection: Skin Protection:

Tightly fitting safety goggles. Long sleeved clothing.

Further Information:

Choose body protection according to the amount and concentration of the dangerous

substance at the work place.

9 Physical and Chemical Properties

Appearance Form: viscous liquid Colour: colourless

Odour: like cyanacrylate

Safety Relevant Data

pH-value, undiluted:

no data available

Boiling point / Boiling - range (°C): Flash point (°C):

60

Flammability:

82

Ignition temperature (°C):

The product is flammable

Autoflammability: Oxidising properties: no data available not applicable

Explosion hazard:

not applicable not applicable

Explosion limits (Vol.%) lower.

not applicable, upper not applicable

Vapour pressure: Density (g/ml):

no data available 1.07

Solubility (in Water):

insoluble

Partition coefficient, n-OctanolWater.

no data available no data available not applicable

Viscosity:

not applicable

Solvent content (m %): Fat solubility:

Further Data

no data available no data available

Thermal decomposition (°C): Vapour density (Air = 1): Evaporation rate:

no data available

page 4 of 6

Tradename: Tipkleber

Company / Distributor. Bernd Stolz GmbH, Fuggerstr. 36 a, 92224 Amberg, Germany Telephone: +49 9621 22188, Date of issue: 27.03.2009 Replaces Data Sheet of:

Stability and Reactivity

Conditions to Avoid:

No decomposition if stored and applied as directed. Stable at normal conditions.

Protect against humid air and heat.

Materials to Avoid:

Keep away from oxidising agents, strongly alkaline materials, amines and water.

Hazardous Decomposition Products: hydrogen cyanide (hydrocyanic acid)

Further Information:

None

11 Toxicological Information

Toxicological Tests:

Acute Health Effects of the preparation:

Inhalation, LC50 rat, (mg/l/4h):

Irritating to respiratory system.

Ingestion, LD50 rat, (mg/kg): Skin - contact, LD50 rat, (mg/kg): no data available

no data available

Irritation (to skin / eye):

Imitating to eyes and skin.

Sensitisation:

Contains: 1,4-Dihydroxybenzene. May produce an allergic reaction.

Subacute / Chronic Toxicity of the preparation:

Carcinogenicity:

1,4-Dihydroxybenzene (Hydrochinone) is classified as carcinogen of category 3.

Mutagenicity:

1,4-Dihydroxybenzene (Hydrochinone) is classified as mutagenic of category 3.

Teratogenicity:

None.

Narcotic Effects:

None.

Practical Experience

Observations relevant for classification:

Further Observations:

None.

General Remarks:

Classification of the preparation has been done by calculation in accordance with directives 1999/45/EC and 2006/8/EC.

12 **Environmental Information**

Elimination (Persistence and Degradability):

May be separated mechanically in waste water plants.

Behaviour in Sewage Works:

Mobility and Accumulation Potential:

Does not bioaccumulate.

Ecotoxic Effects, Aquatic Toxicity:

water endangering

Other Ecological Information

COD-Value, mg/g:

no data available

BOD₅-Value, mg/g:

no data available

AOX-Remarks:

Product does not contain any organic halogens.

Persistent, bioaccumulative and toxic substances (PBT-substances: None.

Very persistent and very bioaccumulative substances (vPvB-substances): None

page 5 of 6

Tradename: Tipkleber

Company / Distributor: Bernd Stolz GmbH, Fuggerstr. 36 a, 92224 Amberg, Germany Telephone: +49 9621 22188, Date of issue: 27.03.2009 Replaces Data Sheet of:

13 Disposal Considerations

Residues

Recommendation: D10

Waste - Code - No.: 20 01 27 - paint, inks, adhesives and resins containing dangerous substances

In addition comply with the regional authorities.

Safe Handling: See item 7 and 15.

Contaminated Packaging

Recommendation: Wash with suitable cleaner. Otherwise as described under Residues.

Safe Handling: As described under Residues.

Transport Information

Transportation by Road or Railway according to ADR/GGVS and RID/GGVE

Remarks: Not dangerous goods

Class:

Classification:

Packing Group: UN-No.:

Instructions for Transportation in Tanks: Hazard-No.:

Transport category (Tunnel restriction code): Instruction Concerning Shipper's Declaration and Packaging:

Volume or Mass

Description of Goods

Risklabel Packing - Code or marginal

Classification for Transportation by Vessels according to IMDG/GGVSee

Remarks: Not dangerous goods

Class:

UN-No:

EmS-Fire / Leak:

MFAG-Table:

Marine Pollutant:

Instruction for Declaration and Labelling:

(Packing sizes with possible exemptions not considered)

Proper Shipping Name:

Risk Label:

Remarks:

Classification for Transportation by Aeroplane according to IATA-DGR/ICAO-TI

Remarks: Not dangerous goods

Packing Group:

Packing Group:

Instruction for Declaration and Labelling:

(Packing sizes with possible exemptions not considered)

Proper Shipping Name:

Risk Label:

Packing Instructions, Passenger.

Cargo:

Remarks:

15 Regulatory Information

Classification according to directive 1999/45/EC:

Hazard Identification: Xi - Irritant

Contains: 1,4-Dihydroxybenzene (Hydrochinone). May produce an allergic reaction.

R-Phrases:

R 36/37/38 - Imitating to eyes, respiratory system and skin.

S-Phrases:

\$ 23 - Do not breathe vapour.

S 24/25 - Avoid contact with skin and eyes.

S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Additional advice:

Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children

page 6 of 6

Tradename: Tipkleber

Company / Distributor. Bemd Stolz GmbH, Fuggerstr. 36 a, 92224 Amberg, Germany Telephone: +49 9621 22188, Date of issue: 27.03.2009 Replaces Data Sheet of:

Further EC - regulations:

Regulation (EC) No 648/2004 of the European Parlament and of the Council of 31 March 2004 on detergents, not applicable

EC - Directive 1999/13 (VOC) VOC g / kg: not applicable

The above mentioned classification is valid for distribution to: Professional use. Labelling (formats, exemptions, additional markings) has to be done according to respective regulations.

16 Other Information

Text of R phrases:

R 22 - Harmful if swallowed.

R 40 - Limited evidence of a carcinogenic effect.

R 41 - Risk of serious damage to eyes.

R 43 - May cause sensitization by skin contact.

R 50 - Very toxic to aquatic organisms.

R 36/37/38 - Imitating to eyes, respiratory system and skin.

Further information to work out the Data sheet:

Data of the producer.

The statements in this Material Safety Data Sheet were made to the best of our knowledge (2009/2/EC) and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They bs/1072