

Date: 2022-02-21 **Former date:** 2021-09-13
This data sheet contains changes from the previous version ""

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

- * 1.1 **Commercial Product Name:** B/S Spange Clean-Ex
* **UFI - Code:** Not applicable
- * 1.2 **Relevant identified uses of the substance or mixture and uses advised against:** None known.
Professional Use of the Substance/Preparation: B/S - Spange
Chemical nature of the preparation: Carboxylic acid ester
- 1.3 **Details of the manufacturer / supplier of the safety data sheet:**
Address: Manufacturer, supplier:
Bernd Stolz GmbH, Fuggerstr. 36 a, 92224 Amberg, Germany, Telephone: 09621 22188, Telefax: 09621 21048
Contact Person: Mr. Bernd Stolz, eMail: info@bs-spange.de
Responsible for the safety data sheet :
CHEMCO123 @ – Chemical Consultancy, graduate chemist Rosemarie Fechner, Telephone: + 49 5221 6935980
e-mail address: info@chemco123.de
- 1.4 **Emergency telephone number**
Beratungsstelle für Vergiftungserscheinungen: + 49 30 19240 (with costs)
Emergency – Telephone of Company / Undertaking: 09621 22188

SECTION 2: Hazards identification

- 2.1 **Classification according:**
EUH210 - Safety data sheet available on request.

Hazard Statement	Hazard Class and - Category
None.	None.

- 2.2 **Label elements:** None.

- 2.3 **Other hazards:**

Human experience:

May cause temporary skin and eye irritation. May form flammable/explosive vapour-air mixture.

Aquatic environment

Slightly water endangering.

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

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

SECTION 3: Composition/information on ingredients

- 3.1 **Substances:** Not applicable.

- 3.2 **Mixtures:**

Dangerous Ingredients

CAS - No.	Index - No.	EC - No.	Chemical name / REACH registration number	m% - range	pictogram(e)	H - phrases
1119-40-0	None.	214-277-2	Dimethyl glutarate / None.	72 < C < 78 %	None.	None.
627-93-0	None.	211-020-6	Dimethyl adipate / None.	20 < C < 28 %	None.	None.

SECTION 4: First aid measures

- 4.1 **Description of first aid measures:**
General advice:
Show this safety data sheet to the doctor in attendance.
Inhalation:
Move to fresh air. If symptoms persist, call a physician.
Skin contact:
Wash off with soap and water. If skin irritation persists, call a physician.

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

Ingestion:

Rinse mouth out and drink plenty of water. In the event of symptoms occurring, seek medical treatment.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures5.1 **Extinguishing media:****Suitable extinguishing media:** Use dry chemical, CO₂, water spray or "alcohol" foam.**Unsuitable extinguishing media:** None.5.2 **Special hazards arising from the substance or mixture:**

In the event of fire the following can be released: Carbon oxides.

5.3 **Advice for firefighters:** Cool containers / tanks with water spray.**Special protective equipment for firefighters:**

Special protective equipment for firefighters:

SECTION 6: Accidental release measures6.1 **Personal precautions, protective equipment and emergency procedures:**6.1.1 *For non-emergency personnel:*

Use personal protective equipment. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Avoid contact with skin and eyes. Emergency procedures such as the need to evacuate the danger area or to consult an expert.

6.1.2 *For emergency responders:*

Use personal protective equipment. Inform the untrained personnel that the precautions listed in the subsection 6.1.1 are complied with.

6.2 **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, silica gel, universal binder).

Shovel into suitable container for disposal. After cleaning, flush away traces with water.

6.3 **Methods and material for containment and cleaning up:**6.3.1 *Methods and material for containment:*

Soak up with inert absorbent material (e.g. sand, silica gel, universal binder). Shovel into suitable container for disposal. After cleaning, flush away traces with water.

6.3.2 *Methods and material for cleaning up:*

After cleaning, flush away traces with water.

6.3.3 **Inappropriate containment or clean-up techniques:**

None.

6.4 **Reference to other sections:**

See section 8 / 13.

SECTION 7: Handling and storage7.1 **Precautions for safe handling:**7.1.1 **Recommendations shall be specified to:**

Ensure adequate ventilation, especially in confined areas. Vapours are heavier than air and may spread along floors. Remove all sources of ignition. Avoid contact with skin and eyes.

7.1.2 **Advice on general occupational hygiene shall be provided:**

Remove and wash contaminated clothing before re-use. Do not breathe vapour. Avoid contact with skin and eyes.

When using do not eat or drink. When using do not smoke.

7.2 **Conditions for safe storage, including any incompatibilities:**

Keep containers tightly closed in a cool, well-ventilated place. Keep away from direct sunlight. Keep away from oxidising agents, strongly alkaline and strongly acid materials.

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Normal measures for preventive fire protection. May form flammable/explosive vapour-air mixture.

Remove all sources of ignition. Take precautionary measures against static discharges.

* 7.3

Specific end use(s):

B/S - Spange.

SECTION 8: Exposure controls/personal protection8.1 **Control parameters:****CAS / Material****Limit Value according to TRGS 900/ EC Guideline 2000/39:**

1119-40-0 / Dimethyl glutarate / 627-93-0 / Dimethyl adipate	Germany 8 hours: 1,2 ppm, 8 mg/m ³ , (Inhalable aerosol and vapour) Germany 0,25 hours: 2,4 ppm, 16 mg/ m ³ , (Inhalable aerosol and vapour) (15 Minuten Referenzzeitraum, 15 minutes reference period, EU: No values
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Reference: Gestis Data base - Data on chemical media

DNEL-Values: Dimethyl glutarate / Dimethyladipate	
Excessive exposures - systemic properties:	Inhalation: None
DNEL- Values:	
Excessive exposures - local properties:	Inhalation: 8 mg/m ³

PNEC - Values: No data available.8.2 **Exposure controls:**

Ingredients named in section 8.1.

8.2.1 **Appropriate engineering controls:**

Ensure adequate ventilation, especially in confined areas. Vapours are heavier than air and may spread along floors.

8.2.2 **Personal Protective Equipment****Respiratory Protection:** In the case of vapour formation use a respirator with filter model ABEK**Hand Protection:****Excessive exposure:** Protective gloves (butyl rubber) according to EN 374.
Break through time: > 60 Min. Glove thickness: 0,5 mm .**Short time exposure:** Protective gloves according to EN 374. (butyl rubber).
Break through time: > 30 Min. Glove thickness: 0,4 mm.
Refer to manufacturer of gloves for detailed information.**Incompatible materials:** Nitrile rubber, natural rubber, PVC, fluororubber.**Eye Protection:** Tightly fitting safety goggles according to EN 166.**Skin Protection:** impervious clothing (nur Schutzkleidung)**Further Information:** Choose body protection according to the amount and concentration of the dangerous substance at the work place.**Thermal hazards:** None.8.2.3 **Environmental exposure controls:** None.**SECTION 9: Physical and chemical properties**9.1 **Information on basic physical and chemical properties:**

Appearance:	liquid
Colour:	colourless
Odour:	sweet
Odour threshold:	no data available

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pH: (undiluted):	not applicable
Boiling point/range: (°C):	210-225
Melting point/range : (°C):	-13
Flash point (°C):	104 closed cup
Evaporation Rate:	no data available
Flammability (solid, gas):	May form flammable/explosive vapour-air mixture.
Lower flammability or explosive limits:	1,2
Upper flammability or explosive limits:	7,9
Vapour pressure:	0,05 hPa
Vapour density ((Air = 1.0)):	no data available
Relative density (g/cm ³):	1,081
Water solubility	soluble 42 g/l (20 °C)
Soluble in:	Not relevant
Fat solubility	no data available
Partition coefficient (n-octanol/water):	no data available
Auto-ignition temperature °C:	None.
Decomposition temperature °C:	no data available
Viscosity	no data available
Oxidising properties:	None.
Explosive properties:	May form flammable/explosive vapour-air mixture.
Solvent (g/100 g):	99,5 < solvent < 100
VOC (g / kg):	995 < VOC < 1000
9.2 Other information:	
Thermal decomposition (°C):	no data available
Vapour density (Air = 1):	no data available
Evaporation rate:	no data available

SECTION 10: Stability and reactivity

- 10.1 **Reactivity:**
May form flammable/explosive vapour-air mixture.
- 10.2 **Chemical stability:**
Stable at normal conditions.
- 10.3 **Possibility of hazardous reactions:**
Keep away from oxidising agents, strongly alkaline and strongly acid material.
- 10.4 **Conditions to avoid:**
Remove all sources of ignition. Take precautionary measures against static discharges
- 10.5 **Incompatible materials:**
Nitrile rubber, natural rubber, PVC, fluororubber.
- 10.6 **Hazardous decomposition :**
May form flammable/explosive vapour-air mixture.

SECTION 11: Toxicological information

- 11.1 **Information on toxicological effects**
- 11.1.1 **Mixtures**
- Acute toxicity**
- | | |
|---------------------------|--------------------|
| LC50/inhalation/4h/rat = | No data available. |
| LD50/oral/rat = | ~ 8191 |
| LD50/dermal/rat = | No data available |
| Irritation | None. |
| Corrosivity | None. |
| Sensitization: | None. |
| Carcinogenicity: | None. |
| Mutagenicity: | None. |
| Toxicity for reproduction | None. |

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LC50/inhalation/4h/rat =	No data available
LD50/oral/rat mg/kg =	8191 (
LD50/dermal/rat =	No data available
Skin corrosion/irritation	None.
Serious eye damage/irritation	None.
Respiratory or skin sensitisation	None.
Germ cell mutagenicity	None.
Carcinogenicity	None.
Reproductive toxicity	If the occupational exposure limit is observed, there is no risk of fetal harm..
STOT-single exposure	None.
STOT-repeated exposure	None.
Aspiration hazard	None.

Acute toxicity Dimethyladipate:

LC50/inhalation/4h/rat =	No data available
LD50/oral/rat mg/kg=	8191
LD50/dermal/rab. mg/kg =	2250
Skin corrosion/irritation	None.
Serious eye damage/irritation	None.
Respiratory or skin sensitisation	None.
Germ cell mutagenicity	None.
Carcinogenicity	None.
Reproductive toxicity	A risk of fetal damage does not need to be feared if the air limit value is adhered to
STOT-single exposure	None.
STOT-repeated exposure	None.
Aspiration hazard	None.

*** 11.2 Endocrine disrupting properties:**

No data available.

*** 11.2.1 Other data:**

No data available.

SECTION 12: Ecological information**12.1 Toxicity:** Slightly water endangering.**Dimethyl glutarate:**

LC50/96 h 30,9 mg/l (American. minnow, (Pimephales promelas))

Dimethyladipat:

EC50/48 h 72 mg/l (water flea (Daphnia magna))

EC50/72 h > 100 mg/l (sc)

12.2 Persistence and degradability:

Readily biodegradable.

12.3 Bioaccumulative potential:

Does not bioaccumulate.

12.4 Mobility in soil:

No data available.

12.5 Results of PBT and vPvB assessment:

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

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

12.6 Endocrine disrupting properties:

Dimethylglutarate.

12.7 Other adverse effects

No data is available on the product itself.

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SECTION 13: Disposal considerations

13.1 **Waste treatment methods:**

Methods of waste treatment of both the substance or mixture and any contaminated packaging

Suggestions: Dispose of contents / container to a recognized disposal company.

Waste disposal number: 07 07 99 - wastes from the MFSU of fine chemicals and chemical products not otherwise specified. wastes n.o.s. (Decision 2014/955/EU)

SECTION 14: Transport information

Transportation according to ADR/GGVS, IMDG/GGVSee and IATA-DGR/ICAO-TI:

Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR ADR/RID

SECTION 15: Regulatory information

15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**

Compliance with occupational safety, Can be registered with the BfR in accordance with the WRMG.

Regulation (EC) 1223/2009 (cosmetics): No.

Regulation (EC) 1005/2009: not applicable.

Regulation (EC) 850/2004: not applicable..

Regulation (EC) 649/2012: not applicable..

Directive 96/82/EC: applicable. (Observance of the quantity thresholds)

Regulation (EC) No 648/2004 on detergents: applicable. No additional information is required.

15.2 **Chemical safety assessment:** None.

SECTION 16: Other information

H - Phrases:

None.

*** Abbreviations:**

UFI = Unique Formula Identifier

PNEC = predicted no effect concentration

DNEL-(Derived No-Effect Levels)

UFI - Code = Unique Formula Identifier Code

Regulation (EC) 1005/2009: Substances that deplete the ozone layer

Regulation (EC) 850/2004: Persistent organic pollutants

Regulation (EC) 649/2012: Export and import of dangerous chemicals

Further information to work out the Data sheet:

Data of the producer.

Classification: According to Regulation (EC) No 1272/2008 including the amending regulations.

The statements in this Material Safety Data Sheet were made to the best of our knowledge 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 must neither be altered nor transferred to other products.

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