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

1.1 **Product identifier**
Item no/Identification: **7594 Laser-Cut-Kleber / Laser-cut glue**

1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available
Application of the substance / the mixture:
Adhesive for model landscaping

1.3 Details of the supplier of the safety data sheet
Supplier (manufacturer/importer/downstream user/distributor)
Busch GmbH & Co. KG
Heidelberger Straße 26
D-68519 Viernheim
Telephone: +49 (0) 6204 – 6007 10
Telefax: +49 (0) 6204 – 6007 19
Homepage: www.busch-model.com
E-Mail: info@busch-model.com

1.4 Emergency telephone number:
During business hours: +49 6204 6007 10
Mon-Thu 9:00-16:30, Fr 9:00-13:00

2 Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008
The product is not classified according to the CLP regulation.

2.2 Label elements
Labelling according to Regulation (EC) No. 1272/2008
Void
Hazard pictograms Void
Signal word Void
Hazard statements Void

Additional information:
EUH208 Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) May produce an allergic reaction.

2.3. Other hazards
Results of PBT and vPvB assessment·
PBT: Not applicable.
vPvB: Not applicable.

3 Composition / Information on ingredients

3.2. Chemical characterisation: Mixtures

Description: Aqueous dispersion

Dangerous components:
CAS: 55965-84-9 / Index number: 613-167-00-5 ≥ 0,00025 - < 0,0015%
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]
and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)


Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330;

Skin Corr. 1C, H314; Eye Dam. 1, H318;

Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100);

Skin Sens. 1A, H317
Specific conzentration limits: Skin Corr. 1C; H314: C ≥ 0,6 %
Skin Irrit. 2; H315: 0,06 % ≤ C < 0,6 %
Eye Dam. 1; H318: C ≥ 0,6 %
Eye Irrit. 2; H319: 0,06 % ≤ C < 0,6 %
Skin Sens. 1A; H317: C ≥ 0,0015 %

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

4 First-aid measures

4.1 Description of first aid measures
General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of complaints.

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

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: If symptoms persist consult doctor.

4.2. Most important symptoms and effects, both acute and delayed
No further relevant information available.

4.3. Indication of any immediate medical attention and special treatment needed
No further relevant information available.

5 Firefighting measures

5.1. Extinguishing media

Suitable extinguishing agents
Use fire extinguishing methods suitable to surrounding conditions.

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

5.3. Advice for firefighters:
Protective equipment: No special measures required.

6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Not required.

6.2. Environmental precautions
Dillute with plenty of water.
Do not allow to enter into sewers/surface or ground water.

6.3. Methods and material for containment and cleaning up
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4. **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

7.1. Precautions for safe handling: No special measures required.

Information about fire - and explosion protection: No special measures required.

7.2. Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: Store at 5°C to 25°C. Protect from frost.
Storage class: 12

7.3. Specific end use(s)
No further relevant information available.

8 Exposure controls / Personal protection

8.1. Control parameters
Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.

8.2. Exposure controls
Appropriate engineering controls
No further data; see item 7.

Individual protection measures, such as personal protective equipment
General protective and hygienic measures
The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not required.

Hand protection
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. 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 not 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.

Eye/face protection
Goggles recommended during refilling.

Body protection
Protective work clothing.

9 Physical and chemical properties

9.1. Information on basic physical and chemical properties
General Information

Physical state:	Fluid
Colour:	Whitish
Odour:	Characteristic
Odour threshold:	Not determined
Melting point/freezing point:	Undetermined

Boiling point or initial boiling point and boiling range:	
	> 100 °C
Flammability:	Not applicable.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Not applicable.
Decomposition temperature:	Not determined.
pH at 20°C:	4 - 5
pH (10% aqueous solution)	
Viscosity:	
Kinematic viscosity:	Not determined.
Viscosity (1%, solution)	
Dynamic:	Not determined.
Solubility	
Water:	Dispersible.
Partition coefficient n-octanol/water (log value):	
	Not determined.
Vapour pressure at 20°C:	≤ 23 hPa
Density and/or relative density	
Density at 20 °C:	1.06 g/cm³
Relative density:	Not determined.
Vapour density:	Not determined.

9.2. Other information

Appearance:	
Form:	Fluid

Important information on protection of health and environment, and on safety

Auto-ignition temperature:	Product is not self-igniting.
Explosive properties:	Product does not present an explosion hazard.
Solvent content:	
Solids contents:	> 49.8 %
Change in condition	
Evaporation rate	Not determined.

Information with regard to physical hazard classes

Explosives	Void.
Flammable gasses	Void.
Aerosols	Void.
Oxidising gases	Void.
Gases under pressure	Void.
Flammable liquids	Void.
Flammable solids	Void.
Self-reactive substances and mixtures	
	Void.
Pyrophoric liquids	Void.
Pyrophoric solids	Void.

Self-heating substances and mixtures
Void.
Substances and mixtures which emit flammable gases in contact with water
Void.

Oxidising liquids	Void.
Oxidising solids	Void.
Organic peroxides	Void.
Corrosive to metals	Void.
Desensitised explosives	Void.

10 Stability and reactivity

10.1. Reactivity
No further relevant information available.

10.2. Chemical stability
Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications

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.

11 Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No. 1272/2008
Acute toxicity
Based on available data, the classification criteria are not met.
Skin corrosion/irritation
Based on available data, the classification criteria are not met.
Serious eye damage/eye 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.
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.·
STOT-single exposure
Based on available data, the classification criteria are not met.
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.

11.2. Information on other hazards
Endocrine disrupting properties
None of the ingredients is listed.

12 Ecological information

12.1. Toxicity
Aquatic toxicity:
No further relevant information available.

12.2. Persistence and degradability
No further relevant information available.

12.3. Bioaccumulative potential
No further relevant information available.

12.4. Mobility in soil
No further relevant information available.

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

12.6. Endocrine disrupting properties
The product does not contain substances with endocrine disrupting properties.

12.7. Other adverse effects
Additional ecological information
General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

13.1. Waste treatment methods
Recommendation
Smaller quantities can be disposed of with household waste.

Uncleaned packaging
Recommendation
Disposal must be made according to official regulations.
Recommended cleansing agents
Water, if necessary together with cleansing agents.

14 Transport information

14.1. UN number
ADR, AND, IMDG, IATA not regulated

14.2. UN proper shipping name
ADR, AND, IMDG, IATA not regulated

14.3. Transport hazard class(es)
ADR, ADN, IMDG, IATA
Class not regulated

14.4. Packing group
ADR, IMDG, IATA not regulated

14.5. Environmental hazards Not applicable

14.6. Special precautions for user Not applicable

14.7. Maritime transport in bulk according to IMO instruments
Not applicable

14.8. UN "Model Regulation" Not regulated

15 Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Directive 2012/18/EU
Named dangerous substances - ANNEX I
None of the ingredients is listed.

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II
None of the ingredients is listed.

Regulation (EU) 2019/1148
Annex I – RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
None of the ingredients is listed.

Annex II – REPORTABLE EXPLOSIVES PRECURSORS
None of the ingredients is listed.

Regulation (EC) No. 273/2004 on drug precursors
None of the ingredients is listed.

Regulation (EC) No. 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors
None of the ingredients is listed.

15.2. Chemical Safety Assessment
A Chemical Safety Assessment has not been carried out.

16 Other 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.

Relevant phrases
H301 Toxic if swallowed.
H310 Fatal in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H330 Fatal if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Classification according to Regulation (EC) No 1272/2008
The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning theInternational Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 3: Acute toxicity – Category 3
Acute Tox. 2: Acute toxicity – Category 2
Skin Corr. 1C: Skin corrosion/irritation – Category 1C
Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A
Aquatic Acute 1: Hazardous to the aquatic environment – acute aquatic hazard - Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment – long-term aquatic hazard – Category 1

Sources
Regulation (EC) No. 1272/2008 on the classification, labeling and packaging of substances and mixtures.
Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU.
Transport of dangerous goods by road, rail or inland waterways (ADR/RID/ADN).
International Code for the Transport of Dangerous Goods by Sea Ships (IMDG).
Dangerous Goods Regulations (DGR) for the air transport (IATA).

The data of this safety data sheet (section 2 to 16) were taken respectively from the last version of the sub-contractor's safety data sheet.