Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 13.01.2021 Version number 12 Revision: 13.01.2021

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

- **1.1 Product identifier**
- **Trade name Stobielast® S 151.99**
- **Article number:** 22015199
- **UFI:** 91GD-U09T-P005-T5HW
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Process category**
PROC7 Industrial spraying
PROC11 Non industrial spraying
- **Application of the substance / the mixture** Component of the polyurethane system
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Stockmeier Urethanes GmbH & Co. KG
Im Hengstfeld 15
32657 Lemgo
Deutschland / Germany
Fon: ++49 5261 660 68 0
Fax: ++49 5261 660 68 29
Email: urethanes.ger@stockmeier.com
- **Informing department:** Product safety department
- **1.4 Emergency telephone number:**
24-h-Emergency-Contact-No. (Contact-ID: SU):
outside USA/Canada Tel. +49 700 24 112 112 (SU)
inside USA/Canada Tel. 011 49 700 24 112 112 (SU)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Acute Tox. 4 H332 Harmful if inhaled.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H335 May cause respiratory irritation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**

GHS07

- **Signal word** Warning
- **Hazard-determining components of labelling:**
Hexamethylene diisocyanate, oligomers
- **Hazard statements**
H332 Harmful if inhaled.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
- **Precautionary statements**
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves.
P302+P352 IF ON SKIN: Wash with plenty of water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P321 Specific treatment (see on this label).
P362+P364 Take off contaminated clothing and wash it before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:**
Contains isocyanates. May produce an allergic reaction.
- **2.3 Other hazards**
For their own protection, persons who suffer from hypersensitivity of the respiratory tract (e.g. asthmatics and chronic bronchitis sufferers) should avoid handling this product.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of the substances listed below with harmless additions

- **Dangerous components:**

CAS: 28182-81-2 NLP: 500-060-2	Hexamethylene diisocyanate, oligomers Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335	50-100%

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

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General advice:**
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**
Instantly wash with water and soap and rinse thoroughly. If skin irritation persists, seek medical advice.
Remove contaminated clothing immediately. Wash affected areas with plenty of water und soap. If irritation continues, contact a doctor.
- **After eye contact**
Rinse immediately opened eye for several minutes under running water. Then consult doctor.
- **After swallowing** Do not induce vomiting; instantly call for medical help.
- **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.

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SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** Alcohol-resistant foam
- **5.2 Special hazards arising from the substance or mixture**
Can be released in case of fire:
Nitrogen oxides (NOx)
carbon monoxide (CO)
Hydrogen cyanide (HCN)
- **5.3 Advice for firefighters**
- **Protective equipment:**
Put on breathing apparatus.
See section 8.
Wear full protective suit with self-contained breathing apparatus.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment and keep unprotected persons away.
- **6.2 Environmental precautions:** Prevent material from reaching sewage system, holes and cellars.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to item 13.
Transfer to waste container. Keep damp in the open air in a safe place (CO2-formation!) for a few days; the waste can than be disposed of on approved landfill or a special refuse dump. Ensure adequate ventilation.
- **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 information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Exhaust ventilation required during spraying.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** Prevent any penetration into the ground.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with critical 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.

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- **DNELs**

28182-81-2 Hexamethylene diisocyanate, oligomers		
Inhalative	DNEL (worker)	1 mg/m³ (Acute, local effects) 0.5 mg/m³ (Long-term - local effects)

- **PNECs**

28182-81-2 Hexamethylene diisocyanate, oligomers	
PNEC water	0.127 mg/l (freshwater) 0.0127 mg/l (Seawater) 1.27 mg/l (intermittent releases)
PNEC sediment	266,700 mg/kg (freshwater) 26,670 mg/kg (Seawater)
PNEC STP	38.28 mg/l (sewage plant)
PNEC soil	53,182 mg/kg (soil)

- **Additional information:** The lists that were valid during the compilation were used as basis.

- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
Keep away from food, beverages and fodder.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.
Gases, fumes and aerosols should not be inhaled.
- **Breathing equipment:**
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
- **Recommended filter device for short term use:** Combination filter A-P2
- **Protection of hands:**
Protective gloves.
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**
Butyl rubber, BR
Fluorocarbon rubber (Viton)
Recommended thickness of the material: ≥ 0.5 mm
- **Penetration time of glove material**
Pay attention to information supplied by the manufacturer of gloves (permeation rate and penetration times) just as to workplace-specific conditions (mechanical stress, wearing duration).
- **Eye protection:** Tightly sealed safety glasses.
- **Body protection:**
Standard proctective clothing. Chemical resistant safety-shoes or boots. If skin contact is possible, wear inpenetrable protective clothing against this solvent.

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SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**	
- **General Information**	
- **Appearance:**	
Form:	Fluid
Colour:	Not determined.
- **Smell:**	Characteristic
- **pH-value:**	not applicable
- **Melting point/freezing point:**	Not determined
- **Initial boiling point and boiling range:**	Not determined
- **Flash point:**	>200 °C
- **Ignition temperature:**	>400 °C
- **Decomposition temperature:**	> 260 °C
- **Self-inflammability:**	Product is not selfigniting.
- **Explosive properties:**	Product is not potentially explosive
- **Vapour pressure:**	Not determined.
- **Density at 20 °C**	1.05 g/cm³
- **Solubility in / Miscibility with**	
Water:	Insoluble
- **Viscosity:**	
dynamic at 20 °C:	5,000 mPas
kinematic:	Not determined.
- **9.2 Other information**	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.3 Possibility of hazardous reactions**
  Exothermic reaction with amines and alcohols; reacts with water forming CO2, in closed containers risk of bursting owing to increase of pressure.
- **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

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**
  Harmful if inhaled.
- **LD/LC50 values that are relevant for classification:**
  LD50: > 5.000 mg/kg (rat, oral)

28182-81-2 Hexamethylene diisocyanate, oligomers		
Inhalative	LC 50 / 4 h	0.467 mg/l (rat) (OECD 403)

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- ***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***
  May cause an allergic skin reaction.
- ***Additional toxicological information:***
- ***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.*
- ***STOT-single exposure***
  May cause respiratory irritation.
- ***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.*

SECTION 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.*
- ***Additional ecological information:***
- ***General notes:***
  Water hazard class 1 (Self-assessment): slightly hazardous for water.
  Not miscible with water. Reacts with water at the interface producing CO2 and forming a solid and insoluble product with high melting point (polyurea). This reaction is accelerated by surfactants (e.g. detergents) or by water-soluble solvents. Previous experience shows that polyurea is inert and non-degradable.
- ***12.5 Results of PBT and vPvB assessment***
- ***PBT:*** *Not applicable.*
- ***vPvB:*** *Not applicable.*
- ***12.6 Other adverse effects*** *No further relevant information available.*

SECTION 13: Disposal considerations

- ***13.1 Waste treatment methods***
- ***Recommendation***
  Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- ***Uncleaned packagings:***
- ***Recommendation:***
  Empty containers may only be disposed of after neutralising any product remaining on the walls of the containers with a mixture of isopropanol, ammonia and water and removal of the warning labels.

SECTION 14: Transport information

- ***14.1 UN-Number***
- ***ADR, IMDG, IATA*** *Void*

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- **14.2 UN proper shipping name** - **ADR, IMDG, IATA**	Void
- **14.3 Transport hazard class(es)** - **ADR, IMDG, IATA** - **Class**	Void
- **14.4 Packing group** - **ADR, IMDG, IATA**	Void
- **14.5 Environmental hazards:** - **Marine pollutant:**	Not applicable. No
- **14.6 Special precautions for user**	Not applicable.
- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable.
- **Transport/Additional information:**	Not dangerous according to the above specifications.
- **UN "Model Regulation":**	Void

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms**

GHS07

- **Signal word** Warning
- **Hazard-determining components of labelling:**

Hexamethylene diisocyanate, oligomers

- **Hazard statements**

H332 Harmful if inhaled.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

- **Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves.
P302+P352 IF ON SKIN: Wash with plenty of water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P321 Specific treatment (see on this label).
P362+P364 Take off contaminated clothing and wash it before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

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

- **Directive 2012/18/EU**
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **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.

- **National regulations**
- **Information about limitation of use:**
Employment restrictions concerning young persons must be observed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

- **UFI market placements:**
Germany, Denmark, ESE, Finland, France, Greece, Ireland, ISE, LVE, Lithuania, Malta, Netherland, Norway, Austria, Poland, Portugal, Sweden, Slovakia, Slovenia, Cyprus
- **Relevant phrases**
Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.
H317 May cause an allergic skin reaction.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.

- **Department issuing data specification sheet:** see item 1: Informing department
- **Abbreviations and acronyms:**
LEV. Local Exhaust Ventilation
RPE: Respiratory Protective Equipment
RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European 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
CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)
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)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity - inhalation – Category 4
Skin Sens. 1: Skin sensitisation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3