

Safety Data Sheet
acc. to OSHA HCS 29 CFR §1910.1200

Printing date 03/05/2025

Reviewed on 03/05/2025

1 Identification

- **Product identifier**
- **Trade name: Plast 2000**
- **Article number:** T-PL000040
- **Application of the substance / the mixture**
Sealant
Silicone sealant
Casting compound
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
SPINNER GmbH
Erzgiessereistr. 33
D - 80335 Munich
sicherheitsdatenblatt@spinner-group.com
Tel.: +49 (0)89 12601 - 0 Fax: +49 (0)89 12601 - 1210
- **Information department:**
See above-mentioned address
- **Emergency telephone number:** Poisons Information Centre Munich (24h / 7d): Tel. +49 (0) 89/19240

2 Hazard(s) identification

- **Classification of the substance or mixture**



Skin Irritation 2 Causes skin irritation.
Eye Irritation 2A Causes serious eye irritation.

- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms** GHS07
- **Signal word** Warning
- **Hazard statements**
Causes skin irritation.
Causes serious eye irritation.
- **Precautionary statements**
Avoid breathing vapours.
Wear protective gloves/protective clothing/eye protection/face protection.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation or rash occurs: Get medical advice/attention.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 2
Fire = 1
Reactivity = 0

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- **HMIS-ratings (scale 0 - 4)**

HEALTH	*2	Health = *2
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Polydimethylsiloxane with inorganic fillers and aminosilane as curing agent

- **Dangerous components:**

CAS: 15901-40-3 N,N',N''-tricyclohexyl-1-methylsilanetriamine 3-<10%
 EINECS: 240-040-8 ⚠ Acute Toxicity - Oral 3; Acute Toxicity - Dermal 3; ⚠ Skin Corrosion 1A; Eye
 Damage 1; Flammable liquids 4

- **Additional information:**

While curing the following substances are formed and released by a reaction with atmospheric humidity:
 Cyclohexylamine (CAS 108-91-8)

4 First-aid measures

- **Description of first aid measures**
- **General information:**
Take affected persons out into the fresh air.
In case of indisposition consult a physician and present this leaflet.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Remove from the skin using a cloth or paper. Then clean with water and soap.
If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; immediately call for medical help.
- **Information for doctor:** No further relevant information available.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
Use fire fighting measures that suit the environment.
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

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6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Particular danger of slipping on leaked/spilled product.
- **For non-emergency personnel** No further relevant information available.
- **For emergency responders** No further relevant information available.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Ensure adequate ventilation.
Pick up mechanically.
Dispose of the collected material according to regulations.
- **Reference to other sections**
By a reaction with atmospheric humidity by-products are released. See chapter 8.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.
- **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 in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters**
- **Components 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 Occupational Exposure Limit Values for possible hazards during processing:**
While curing the following substances are formed and released by a reaction with atmospheric humidity:
Cyclohexylamine (CAS 108-91-8)
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

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Do not eat, drink, smoke or sniff while working.

- **Breathing equipment:**

Use suitable respiratory protective device in case of insufficient ventilation.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Not necessary if room is well-ventilated.

Filter ABEK

- **Protection of hands:**



Protective gloves

- **Material of gloves**

Nitrile rubber, NBR

Butyl rubber, BR

- **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 protection:** Safety glasses

- **Body protection:**



Protective work clothing

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

· Form:	Viscous
· Color:	Dark grey
· Odor:	Amine-like

- **pH-value:** Not determined.

- **Melting point/Melting range:** Undetermined.

- **Boiling point/Boiling range:** Not applicable.

- **Flash point:** >151 °C (>303.8 °F)

- **Auto igniting:** 430 °C (806 °F)

- **Ignition temperature:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Vapor pressure at 20 °C (68 °F):** <0.1 hPa

- **Density at 20 °C (68 °F):** 1.37 g/cm³ (11.43 lbs/gal)

- **Solubility in / Miscibility with**

- **Water:** Not miscible or difficult to mix.

- **Viscosity:**

- **Dynamic at 20 °C (68 °F):** 160,000 mPas

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Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	0.0 %
VOC content:	0.05 % 0.6 g/l
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**
None if stored according to specifications.
Beginning at approx. 150 °C small amounts of formaldehyde are formed by an oxidative decomposition.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**
CAS: 108-88-3 toluene: 3
- **NTP (National Toxicology Program)**
None of the ingredients is listed.
- **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.
- **Information on likely routes of exposure** No further relevant information available.
- **Symptoms related to the physical, chemical and toxicological characteristics**
No further relevant information available.
- **Delayed and immediate effects as well as chronic effects from short and long-term exposure**
No further relevant information available.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.

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- **Persistence and degradability** No further relevant information available.
- **Other information:** The product is not biodegradable.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Not cured product may not be disposed off together with household waste and may not reach sewing system. To dispose off open product containers and let them stand at open air until the reaction is finished totally (means there is no more smell). After that, waste can be disposed off as the cured product. Cured product can be deposited together with domestic waste. Observe the specific related regulations of local authorities.
- **Uncleaned packagings:**
- **Recommendation:**
Empty containers totally (without drops or grains, cleaned with a spatula). Under observation of the relevant local respectively national regulations re-use or recycling is preferred.

14 Transport information

· UN-Number	
· DOT, ADR, ADN, IMDG, IATA	Void
· UN proper shipping name	
· DOT, ADN, IMDG, IATA	Void
· ADR	Void
· Transport hazard class(es)	
· DOT, ADR, ADN, IMDG, IATA	
· Class	Void
· Packing group	
· DOT, ADR, IMDG, IATA	Void
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	Void

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
OSHA Hazard Communication Standard (HCS) 29 CFR §1910.1200 - Hazard Communication
United Nations (UN) Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

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- **Sara**
- **Section 355 (extremely hazardous substances):**
CAS: 108-91-8 cyclohexylamine
- **Section 313 (Specific toxic chemical listings):**
CAS: 108-88-3 toluene
- **TSCA (Toxic Substances Control Act):**
All ingredients are listed.
- **Hazardous Air Pollutants**
CAS: 108-88-3 toluene
- **Proposition 65**
- **Chemicals known to cause cancer:**
None of the ingredients is listed.
- **Chemicals known to cause reproductive toxicity for females:**
None of the ingredients is listed.
- **Chemicals known to cause reproductive toxicity for males:**
None of the ingredients is listed.
- **Chemicals known to cause developmental toxicity:**
CAS: 108-88-3 toluene
- **Carcinogenic categories**
- **EPA (Environmental Protection Agency)**
CAS: 108-88-3 toluene: II
- **TLV (Threshold Limit Value)**
CAS: 108-88-3 toluene: A4
CAS: 108-91-8 cyclohexylamine: A4
- **NIOSH-Ca (National Institute for Occupational Safety and Health)**
None of the ingredients is listed.
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms** GHS07
- **Signal word** Warning
- **Hazard statements**
Causes skin irritation.
Causes serious eye irritation.
- **Precautionary statements**
Avoid breathing vapours.
Wear protective gloves/protective clothing/eye protection/face protection.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation or rash occurs: Get medical advice/attention.
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations** No further relevant information available.
- **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.

- **Date of preparation / last revision** 03/05/2025 / 19

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· Abbreviations and acronyms:

- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- 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)
- NFPA: National Fire Protection Association (USA)
- HMSI: Hazardous Materials Identification System (USA)
- VOC: Volatile Organic Compounds (USA, EU)
- NIOSH: National Institute for Occupational Safety
- OSHA: Occupational Safety & Health
- TLV: Threshold Limit Value
- PEL: Permissible Exposure Limit
- REL: Recommended Exposure Limit
- Flammable liquids 4: Flammable liquids – Category 4
- Acute Toxicity - Oral 3: Acute toxicity – Category 3
- Skin Corrosion 1A: Skin corrosion/irritation – Category 1A
- Skin Irritation 2: Skin corrosion/irritation – Category 2
- Eye Damage 1: Serious eye damage/eye irritation – Category 1
- Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

· * Data compared to the previous version altered.

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