

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

AWASIL Putty silicone

Wagner Dental
Rheinstr. 7
D-41836
Hückelhoven

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

1.1 Product identifier:

Commercial product name: AWASIL NOVO 20 (Base + Catalyst)
AWASIL NOVO 30 (Base + Catalyst)
AWASIL NOVO 40 (Base + Catalyst)
AWASIL NOVO 50 (Base + Catalyst)
AWASIL NOVO 70 (Base + Catalyst)
AWASIL NOVO 85 (Base + Catalyst)
AWASIL NOVO 90 (Base + Catalyst)
AWASIL NOVO 95 (Base + Catalyst)

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Use of substance/preparation: Commercial, kneadable silicone for various applications

1.3 Manufacturer/distributor:

Wagner Dental GmbH & Co. KG
Rheinstr. 7
D-41836 Hückelhoven
E-Mail: info@wagnerdent.de
Internet: www.wagnerdent.de

1.4 Emergency telephone number:

Departement of work safety, Mr. Pollock
Phone: +49 2433 970 410
Fax: +49 2433 970 412

Section 2: Hazards identification

2.1 Classification of the substance or mixture:

Classification according to Directive 67/548/EEC or 1999/45/EC:

This mixture is not classified as hazardous according to Directive 1999/45/EC.

Classification according to Regulation (EC) No. 1272/2008 [CLP]:

This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

2.2 Label elements:

Special labelling of certain mixtures:

EUH210 Safety data sheet available on request.

2.3 Other hazards:

No information available.

Section 3: Composition/information on ingredients

3.2. Mixtures:

Chemical characteristics:

Contains polydimethylsiloxane with functional groups + fillers and pigment
Catalyst: additionally platinum complex compound.

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Hazardous components:

| EG No. | Chemical name | Quantity |
|------------------|---|------------|
| CAS No. | Classification according to Directive 67/548/EEC | |
| Index No. | Classification according to Regulation (EC) No. 1272/2008 [CLP] | |
| REACH No. | | |
| 238-455-4 | Cristobalite | 30 - <70 % |
| 14464-46-1 | Xn - Harmful R48/20 STOT RE 1; H372 | |
| 232-455-8 | Paraffinum perliquidum P 615 | 1 - <10 % |
| 8042-47-5 | | |
| | Asp. Tox. 1; H304 | |
| 01-2119487078-27 | | |

Full text of R-, H- and EUH-phrases: see section 16.

Section 4: First aid measures

4.1 Description of first aid measures:

- After inhalation:** Provide fresh air. Medical treatment necessary
- After contact with skin:** Wash with plenty of water. Immediately remove any contaminated clothing, shoes or stockings. Medical treatment necessary.
- After contact with eyes:** Rinse immediately carefully and thoroughly with eye-bath or water. Consult an ophthalmologist.
- After ingestion:** Rinse mouth immediately and drink plenty of water. Let water be drunken in little sips (dilution effect). Do not induce vomiting. If you feel unwell, seek medical advice.

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 measures

5.1 Extinguishing media:

Suitable extinguishing media:

Co-ordinate fire-fighting measures to the fire surroundings.

5.2 Special hazards arising from the substance or mixture:

Non-flammable. Vapours can form explosive mixtures with air.

5.3 Advice for firefighters:

In case of fire: Wear self-contained breathing apparatus.

Additional information:

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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Section 6: Accidental release measures

6.1 **Personal precautions, protective equipment and emergency procedures:**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray.
Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2 **Environmental precautions:**

Do not allow to enter into surface water or drains.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4 **Reference to other sections:**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

Section 7: Handling and storage

7.1 **Precautions for safe handling:**

Advice on safe handling:

If handled uncovered, arrangements with local exhaust ventilation have to be used.
Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion:

No special fire protection measures are necessary.

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

Requirements for storage rooms and vessels:

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations.

Advice on storage compatibility:

Do not store with acids, lyes, alcohols, metallic powders and metallic oxides (release of hydrogen is favoured).

Further information for storage:

Keep only in the original container in a cool, dry and well-ventilated place, away from foodstuffs.

7.3. **Specific end use(s):**

For use by trained specialist staff.

Section 8: Exposure controls/personal protection

8.1 **Control parameters:**

8.2 **Exposure controls:**

Appropriate engineering controls:

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

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Protective and hygiene measures:

Remove contaminated, saturated clothing immediately.
Draw up and observe skin protection programme.
Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

Respiratory protection: In case of inadequate ventilation wear respiratory protection.

Eye/face protection: Wear eye/face protection.

Hand protection: When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Suitable are gloves of the following material: NBR (Nitrile rubber)

Skin protection: Wear suitable protective clothing.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

General information:
Form: paste
Colour: base: blue; catalyst: beige
Odour: characteristic

Important information about the protection of health, safety and the environment:

| Property: | Value: | Method: |
|------------------------------------|-----------------------------|------------|
| pH-Value: | not determined | |
| Melting point: | not determined | |
| Boiling point/boiling range: | not determined | |
| Flash point: | >100°C | DIN 51755 |
| Flammability (Solid + Gas): | not applicable | |
| Lower explosion limit (LEL): | not determined | |
| Upper explosion limit (UEL): | not determined | |
| Ignition temperature: | >400°C | DIN 51794 |
| Auto-Ignition temperature (Solid): | not applicable | |
| Auto-Ignition temperature (Gas): | not applicable | |
| Decomposition temperature: | >180 °C | |
| Oxidizing properties: | not oxidizing | |
| Vapour pressure (at 20 °C): | <10 hPa | |
| Density (at 20 °C): | 1,5 – 1,9 g/cm ³ | DIN 51757 |
| Water solubility: | practically insoluble | |
| Solubility in other solvents: | not determined | |
| Partition coefficient: | not determined | |
| Viscosity (dynamic): | 6000000-11000000 mPas | BROOKFIELD |
| Vapour density: | not determined | |
| Evaporation rate: | not determined | |

9.2 Other information:

Solid content: not determined

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Section 10: Stability and reactivity

10.1 **Reactivity:**

No hazardous reaction when handled and stored according to provisions.

10.2 **Chemical stability:**

The product is stable under storage at normal ambient temperatures.

10.3 **Possibility of hazardous reactions:**

Reacts with:

acids, bases, alcohols, powdered metals resp. metal-oxides with release of hydrogen.

10.4 **Conditions to avoid:**

Temperatures >150°C/302°F.

10.5 **Incompatible materials:**

No information available.

10.6 **Hazardous decomposition products:**

In case of thermic decomposition hydrogen is released.

At a temperature of approx. 150°C/ 302°F a small amount of formaldehyde can be released by oxidative degradation.

Section 11: Toxicological information

11.1 **Information on toxicological effects:**

Acute toxicity:

Based on available data, the classification criteria are not met.

For the product itself no toxicological data are available. In products with a comparable composition, a LD₅₀ (orally, species rat) of > 5000 mg/kg has been found.

| CAS No. | Chemical name | Exposure routes | Method | Dose | Species | Source |
|-----------|------------------------------|-----------------|------------------|-------------|---------|--------|
| 8042-47-5 | Paraffinum Perliquidum P 615 | oral | LD ₅₀ | >5000 mg/kg | Rat | OECD |
| | | dermal | LD ₅₀ | >2000 mg/kg | Rabbit | OECD |

Irritation and corrosivity:

Based on available data, the classification criteria are not met.

Sensitising effects:

Based on available data, the classification criteria are not met.

STOT-single exposure:

Based on available data, the classification criteria are not met.

Severe effects after repeated or prolonged exposure:

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction:

Based on available data, the classification criteria are not met.

Aspiration hazard:

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Based on available data, the classification criteria are not met.

Additional information on tests:

The mixture is classified as not hazardous according to the Regulation (EC) No.1272/2008 [CLP].

Section 12: Ecological information

12.1. Toxicity:

The product is not: Ecotoxic

| CAS No. | Chemical name | | | | | |
|-----------|---------------------------------|------------------|------------|-----------|---------------------------------|--------|
| | Aquatic toxicity | Method | Dose | [h] [d] | Species | Source |
| 8042-47-5 | Paraffinum Perliquidum P 615 | | | | | |
| | Acute fish toxicity | LC ₅₀ | >1000 mg/l | 96h | Leuciscus idus (golden orfe) | OECD |

12.2. Persistence and degradability: The product has not been tested.

12.3. Bioaccumulative potential: The product has not been tested.

12.4. Mobility in soil: The product has not been tested.

12.5. Results of PBT and vPvB assessment:
Not identified as PBT/vPvB substances.

12.6 Other adverse effects: No information available.

12.7 Additional information: Avoid release to the environment.

Section 13: Disposal considerations

13.1 Waste treatment methods:

Advice on disposal:

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.
Dispose of waste according to applicable legislation.

Contaminated packaging:

This material and its container must be disposed of as hazardous waste.
Handle contaminated packages in the same way as the substance itself.

Section 14: Transport information

Land transport (ADR/RID):

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN):

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

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14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG):

14.1. UN number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO):

14.1. UN number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards: ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user: No dangerous good in sense of this transport regulation.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:
No dangerous good in sense of this transport regulation.

Section 15: Regulatory information

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

EU regulatory information: 2010/75/EU (VOC): 0 % (0,001 g/l)
2004/42/EC (VOC): 0,001 % (0,016 g/l)

Additional information: To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC

National regulatory information: Employment restrictions:
Observe employment restrictions for young people.
Observe employment restrictions for child bearing mothers and nursing.
Water contaminating class (D):
3 - highly water contaminating

15.2. Chemical safety assessment: Chemical safety assessments for substances in this mixture were not carried out.

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Section 16: Other information

Abbreviations and acronyms:

- 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
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service
- LC₅₀: Lethal concentration, 50%
- LD₅₀: Lethal dose, 50%

Relevant R-phrases (Number and full text):

- 48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Relevant H- and EUH-phrases (Number and full text):

- H304 May be fatal if swallowed and enters airways.
- H372 Causes damage to organs through prolonged or repeated exposure.
- EUH210 Safety data sheet available on request.

Further Information:

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