

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

1.1. Product identifier

Product form : Mixture
Trade name : Bondsaver + Densimax

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Aqueous cleanser that has been designed to remove contaminants from the surface of a tooth prior to bonding

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier:

Please provide the European importer, only representative, downstream user or distributor contact details:

Supplier name:

Street address/P.O. Box

Country ID/Postal code

Telephone number

Email address (this can be a general email for the competent person responsible for the SDS)

Manufacturer:

Inter-Med, Inc. / Vista Dental Products
2200 South Street
Racine, WI 53404
T: (877)-418-4782

1.4. Emergency telephone number

Emergency number : 800-424-9300 (North America) / +1 (703) 527-3887 (International)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

| | |
|--|------|
| Acute toxicity (oral), Category 4 | H302 |
| Acute toxicity (inhalation:dust,mist) Category 2 | H330 |
| Skin corrosion/irritation, Category 1B | H314 |
| Respiratory sensitisation, Category 1 | H334 |
| Skin sensitisation, Category 1 | H317 |
| Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation | H335 |
| Hazardous to the aquatic environment — Chronic Hazard, Category 2 | H411 |

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Fatal if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Toxic to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

GHS06

GHS08

GHS09

Signal word (CLP) :

Danger

Hazardous ingredients :

2-hydroxyethyl methacrylate; Glutaraldehyde; Sodium fluoride; zinc chloride

Bondsaver + Densimax

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| | |
|--------------------------------|---|
| Hazard statements (CLP) | : H302 - Harmful if swallowed. H314 - Causes severe skin burns and eye damage. H317 - May cause an allergic skin reaction. H330 - Fatal if inhaled. H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 - May cause respiratory irritation. H411 - Toxic to aquatic life with long lasting effects. |
| Precautionary statements (CLP) | : P270 - Do not eat, drink or smoke when using this product. P273 - Avoid release to the environment. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P363 - Wash contaminated clothing before reuse. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. |

2.3. Other hazards not contributing to the classification

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-----------------------------|--|---------|---|
| 2-hydroxyethyl methacrylate | (CAS-No.) 868-77-9 (EC-No.) 212-782-2 (EC Index-No.) 607-124-00-X | 10-20 | Eye Irrit. 2, H319 Skin Irrit. 2, H315 Skin Sens. 1, H317 |
| Glutaraldehyde | (CAS-No.) 111-30-8 (EC-No.) 203-856-5 (EC Index-No.) 605-022-00-X | 1-10 | Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Corr. 1B, H314 Resp. Sens. 1, H334 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 |
| Sodium fluoride | (CAS-No.) 7681-49-4 (EC-No.) 231-667-8 (EC Index-No.) 009-004-00-7 | 0.5-2 | Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Dermal), H310 Skin Irrit. 2, H315 Eye Irrit. 2, H319 |
| zinc chloride | (CAS-No.) 7646-85-7 (EC-No.) 231-592-0 (EC Index-No.) 030-003-00-2 | 0.5-2 | Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| Chlorhexidine digluconate | (CAS-No.) 18472-51-0 (EC-No.) 242-354-0 | 0.1-0.5 | Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Acute 1, H400 |

Specific concentration limits:

| Name | Product identifier | Specific concentration limits |
|----------------|--|--------------------------------|
| Glutaraldehyde | (CAS-No.) 111-30-8 (EC-No.) 203-856-5 (EC Index-No.) 605-022-00-X | (0.5 =<C < 5) STOT SE 3, H335 |
| zinc chloride | (CAS-No.) 7646-85-7 (EC-No.) 231-592-0 (EC Index-No.) 030-003-00-2 | (5 =<C < 100) STOT SE 3, H335 |

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|-------------------------------------|---|
| First-aid measures general | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after inhalation | : Immediately call a POISON CENTER/doctor. Remove person to fresh air and keep comfortable for breathing. |

Bondsaver + Densimax

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| | |
|---------------------------------------|---|
| First-aid measures after skin contact | : Take off immediately all contaminated clothing. Wash off immediately and plentifully with water for at least 20 minutes. If skin irritation or rash occurs: Seek immediate medical advice. Wash contaminated clothing before reuse. |
| First-aid measures after eye contact | : In case of eye contact, immediately rinse with clean water for 20-30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. |
| First-aid measures after ingestion | : Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell. |

4.2. Most important symptoms and effects, both acute and delayed

| | |
|-------------------------------------|--|
| Symptoms/effects after inhalation | : Fatal if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. |
| Symptoms/effects after skin contact | : Causes severe burns. May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | : Risk of damage to eyes. |
| Symptoms/effects after ingestion | : Swallowing a small quantity of this material will result in serious health hazard. Harmful if swallowed. |

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 | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Special hazards arising from the substance or mixture

| | |
|-------------|--|
| Fire hazard | : On combustion, forms: carbon oxides (CO and CO ₂). |
|-------------|--|

5.3. Advice for firefighters

| | |
|---------------------------------------|---|
| Firefighting instructions | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. |
| Protective equipment for firefighters | : Do not enter fire area without proper protective equipment, including respiratory protection. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

| | |
|----------------------|-----------------------------------|
| Emergency procedures | : Evacuate unnecessary personnel. |
|----------------------|-----------------------------------|

6.1.2. For emergency responders

| | |
|----------------------|--|
| Protective equipment | : Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Ventilate area. |

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|--|
| Methods for cleaning up | : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. |
|-------------------------|--|

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13: "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|-------------------------------|---|
| Precautions for safe handling | : Avoid all unnecessary exposure. Do not breathe dust, mist. Ensure that there is a suitable ventilation system. |
| Hygiene measures | : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|------------------------|---|
| Storage conditions | : Keep only in the original container in a cool well ventilated place. Keep container tightly closed. |
| Incompatible materials | : None known. |

7.3. Specific end use(s)

See Heading 1.

Bondsaver + Densimax

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| 2-hydroxyethyl methacrylate (868-77-9) | | |
|--|---------------------------|---|
| Lithuania | Local name | Etilenglikolio metakrilo eteris |
| Lithuania | IPRV (mg/m ³) | 20 mg/m ³ |
| Lithuania | Remark (LT) | J (jautrinantis poveikis) |
| Lithuania | Regulatory reference | LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12) |

| Glutaraldehyde (111-30-8) | | |
|---------------------------|--|--|
| Austria | MAK (mg/m ³) | 0.2 mg/m ³ |
| Austria | MAK (ppm) | 0.05 ppm |
| Austria | MAK Short time value (mg/m ³) | 0.2 mg/m ³ |
| Austria | MAK Short time value (ppm) | 0.05 ppm |
| Austria | OEL - Ceilings (mg/m ³) | 0.2 mg/m ³ |
| Austria | OEL - Ceilings (ppm) | 0.05 ppm |
| Croatia | GVI (granična vrijednost izloženosti) (mg/m ³) | 0.2 mg/m ³ |
| Croatia | GVI (granična vrijednost izloženosti) (ppm) | 0.05 ppm |
| Croatia | KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³) | 0.2 mg/m ³ |
| Croatia | KGVI (kratkotrajna granična vrijednost izloženosti) (ppm) | 0.05 ppm |
| Czech Republic | Expoziční limity (PEL) (mg/m ³) | 0.2 mg/m ³ |
| Denmark | Grænseværdie (ceiling) (ppm) | 0.2 ppm |
| Denmark | Grænseværdie (ceiling) (mg/m ³) | 0.8 mg/m ³ |
| Estonia | OEL STEL (mg/m ³) | 0.8 mg/m ³ |
| Estonia | OEL STEL (ppm) | 0.2 ppm |
| Finland | OEL Ceiling (mg/m ³) | 0.42 mg/m ³ |
| Finland | OEL Ceiling (ppm) | 0.1 ppm |
| France | VME (mg/m ³) | 0.4 mg/m ³ |
| France | VME (ppm) | 0.1 ppm |
| France | VLE (mg/m ³) | 0.8 mg/m ³ |
| France | VLE (ppm) | 0.2 ppm |
| Germany | TRGS 900 Occupational exposure limit value (mg/m ³) | 0.2 mg/m ³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| Germany | TRGS 900 Occupational exposure limit value (ppm) | 0.05 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| Greece | OEL TWA (mg/m ³) | 0.8 mg/m ³ |
| Greece | OEL TWA (ppm) | 0.2 ppm |
| Greece | OEL STEL (mg/m ³) | 0.8 mg/m ³ |
| Greece | OEL STEL (ppm) | 0.2 ppm |
| Ireland | OEL (15 min ref) (mg/m ³) | 0.2 mg/m ³ |
| Ireland | OEL (15 min ref) (ppm) | 0.05 ppm |
| Latvia | OEL TWA (mg/m ³) | 5 mg/m ³ |
| Lithuania | NRV (mg/m ³) | 0.8 mg/m ³ |
| Lithuania | NRV (ppm) | 0.2 ppm |
| Poland | NDS (mg/m ³) | 0.4 mg/m ³ |

Bondsaver + Densimax

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| Glutaraldehyde (111-30-8) | | |
|---------------------------|---|--------------------------------------|
| Poland | NDSch (mg/m ³) | 0.6 mg/m ³ |
| Portugal | OEL - Ceilings (ppm) | 0.05 ppm (activated and inactivated) |
| Slovakia | NPHV (priemerná) (mg/m ³) | 0.21 mg/m ³ |
| Slovakia | NPHV (priemerná) (ppm) | 0.05 ppm |
| Slovakia | NPHV (Hraničná) (mg/m ³) | 0.2 mg/m ³ |
| Slovenia | OEL TWA (mg/m ³) | 0.42 mg/m ³ |
| Slovenia | OEL TWA (ppm) | 0.1 ppm |
| Slovenia | OEL STEL (mg/m ³) | 0.42 mg/m ³ |
| Slovenia | OEL STEL (ppm) | 0.1 ppm |
| Spain | VLA-EC (mg/m ³) | 0.2 mg/m ³ |
| Spain | VLA-EC (ppm) | 0.05 ppm |
| Sweden | kortidsvärde (KTV) (mg/m ³) | 0.4 mg/m ³ |
| Sweden | kortidsvärde (KTV) (ppm) | 0.1 ppm |
| United Kingdom | WEL TWA (mg/m ³) | 0.2 mg/m ³ |
| United Kingdom | WEL TWA (ppm) | 0.05 ppm |
| United Kingdom | WEL STEL (mg/m ³) | 0.2 mg/m ³ |
| United Kingdom | WEL STEL (ppm) | 0.05 ppm |
| USA - ACGIH | ACGIH Ceiling (ppm) | 0.05 ppm (activated and inactivated) |

| Sodium fluoride (7681-49-4) | | |
|-----------------------------|------------------------------|--|
| France | Local name | Sodium (fluorure de), en F |
| France | VME (mg/m ³) | 2 mg/m ³ |
| France | Note (FR) | Valeurs recommandées/admises |
| France | Regulatory reference | Circulaire du Ministère du travail (réf.: INRS ED 984, 2016) |
| Latvia | OEL TWA (mg/m ³) | 0.2 mg/m ³ |

8.2. Exposure controls

Appropriate engineering controls:

Ensure that there is a suitable ventilation system. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hand protection:

Impermeable protective gloves. EN 374

Eye protection:

Chemical goggles or face shield. EN 166

Skin and body protection:

Long sleeved protective clothing

Respiratory protection:

Wear appropriate breathing apparatus if air renewal not sufficient to maintain dust/vapour under TLV

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|---------------------|
| Physical state | : Liquid |
| Colour | : Colourless. |
| Odour | : Characteristic. |
| Odour threshold | : No data available |
| pH | : 6.5 |
| Relative evaporation rate (butylacetate=1) | : No data available |

Bondsaver + Densimax

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| | |
|----------------------------------|---------------------|
| Melting point | : < 0 °C |
| Freezing point | : No data available |
| Boiling point | : 100 °C |
| Flash point | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Not applicable |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Density | : 1 |
| Solubility | : No data available |
| Log Pow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------|---|
| Acute toxicity (oral) | : Harmful if swallowed. |
| Acute toxicity (dermal) | : Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (inhalation) | : Fatal if inhaled. |

| | |
|---------------------|-----------------------|
| ATE CLP (oral) | 1217 mg/kg bodyweight |
| ATE CLP (dust,mist) | 0.5 mg/l/4h |

Glutaraldehyde (111-30-8)

| | |
|---------------------------|-------------|
| LD50 oral rat | 252 mg/kg |
| LD50 dermal rabbit | 1800 mg/kg |
| LC50 inhalation rat (ppm) | 23.5 ppm/4h |

Sodium fluoride (7681-49-4)

| | |
|-----------------|-----------|
| LD50 oral rat | 52 mg/kg |
| LD50 dermal rat | 175 mg/kg |

Chlorhexidine digluconate (18472-51-0)

| | |
|---------------------------|---|
| LD50 oral rat | 2 g/kg |
| Skin corrosion/irritation | : Causes severe skin burns and eye damage. pH: 6.5 |

Bondsaver + Densimax

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| | |
|-----------------------------------|---|
| Serious eye damage/irritation | : Serious eye damage, category 1, implicit pH: 6.5 |
| Respiratory or skin sensitisation | : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. |
| Germ cell mutagenicity | : Not classified (Based on available data, the classification criteria are not met) |
| Carcinogenicity | : Not classified (Based on available data, the classification criteria are not met) |

Sodium fluoride (7681-49-4)

| | |
|------------|----------------------|
| IARC group | 3 - Not classifiable |
|------------|----------------------|

| | |
|------------------------|---|
| Reproductive toxicity | : Not classified (Based on available data, the classification criteria are not met) |
| STOT-single exposure | : May cause respiratory irritation. |
| STOT-repeated exposure | : Not classified (Based on available data, the classification criteria are not met) |
| Aspiration hazard | : Not classified (Based on available data, the classification criteria are not met) |
| Other information | : Likely routes of exposure: ingestion, inhalation, skin and eye. |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|--------------------------|---|
| Ecology - water | : Toxic to aquatic life with long lasting effects. |
| Acute aquatic toxicity | : Not classified (Based on available data, the classification criteria are not met) |
| Chronic aquatic toxicity | : Toxic to aquatic life with long lasting effects. |

Glutaraldehyde (111-30-8)

| | |
|--------------------|--|
| LC50 fish 1 | 7.8 - 22 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |
| LC50 fish 2 | 2.6 - 4.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through]) |
| EC50 Daphnia 1 | 14 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| EC50 Daphnia 2 | 0.56 - 1.0 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) |
| EC50 72h algae (1) | 0.61 mg/l (Species: Desmodesmus subspicatus) |
| EC50 96h algae (1) | 0.84 mg/l (Species: Desmodesmus subspicatus) |

Sodium fluoride (7681-49-4)

| | |
|--------------------|---|
| LC50 fish 1 | > 530 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus) |
| LC50 fish 2 | 830 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [semi-static]) |
| EC50 Daphnia 1 | 338 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| EC50 Daphnia 2 | 98 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) |
| EC50 72h algae (1) | 850 mg/l (Species: Desmodesmus subspicatus [static]) |
| EC50 96h algae (1) | 272 mg/l (Species: Pseudokirchneriella subcapitata) |

Chlorhexidine digluconate (18472-51-0)

| | |
|------------------------------|----------------|
| LC50 fish 1 | 2.08 mg/l |
| ErC50 (algae) | >= 0.038 mg/l |
| ErC50 (other aquatic plants) | >= 0.49 mg/l |
| NOEC (acute) | >= 0.0075 mg/l |
| NOEC (chronic) | sediment |

12.2. Persistence and degradability

Bondsaver + Bondsaver D

| | |
|-------------------------------|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |
|-------------------------------|---|

12.3. Bioaccumulative potential

Bondsaver + Bondsaver D

| | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

Bondsaver + Densimax

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| | |
|----------------------------------|-----------------|
| Glutaraldehyde (111-30-8) | |
| Log Pow | 0.22 (at 25 °C) |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

| ADR | IMDG | IATA | ADN | RID |
|---|--|---|--|--|
| 14.1. UN number | | | | |
| UN 2927 | UN 2927 | UN 2927 | UN 2927 | UN 2927 |
| 14.2. UN proper shipping name | | | | |
| TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. | TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. | Toxic liquid, corrosive, organic, n.o.s. | TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. | TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. |
| Transport document description | | | | |
| UN 2927 TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (Glutaraldehyde), 6.1 (8), II, (D/E), ENVIRONMENTALLY HAZARDOUS | UN 2927 TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (Glutaraldehyde), 6.1 (8), II, MARINE POLLUTANT/ENVIRONME NTALLY HAZARDOUS | UN 2927 Toxic liquid, corrosive, organic, n.o.s. (Glutaraldehyde), 6.1, II, ENVIRONMENTALLY HAZARDOUS | UN 2927 TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (Glutaraldehyde), 6.1 (8), II, ENVIRONMENTALLY HAZARDOUS | UN 2927 TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (Glutaraldehyde), 6.1 (8), II, ENVIRONMENTALLY HAZARDOUS |
| 14.3. Transport hazard class(es) | | | | |
| 6.1 (8) | 6.1 (8) | 6.1 (8) | 6.1 (8) | 6.1 (8) |
| | | | | |
| 14.4. Packing group | | | | |
| II | II | II | II | II |
| 14.5. Environmental hazards | | | | |
| Dangerous for the environment : Yes | Dangerous for the environment : Yes Marine pollutant : Yes | Dangerous for the environment : Yes | Dangerous for the environment : Yes | Dangerous for the environment : Yes |
| No supplementary information available | | | | |
| 14.6. Special precautions for user | | | | |

Overland transport

Classification code (ADR) : TC1
 Special provisions (ADR) : 274
 Limited quantities (ADR) : 100ml
 Excepted quantities (ADR) : E4
 Packing instructions (ADR) : P001, IBC02
 Mixed packing provisions (ADR) : MP15

Bondsaver + Densimax

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Portable tank and bulk container instructions (ADR) : T11
Portable tank and bulk container special provisions (ADR) : TP2, TP27
Tank code (ADR) : L4BH
Tank special provisions (ADR) : TU15, TE19
Vehicle for tank carriage : AT
Transport category (ADR) : 2
Special provisions for carriage - Loading, unloading and handling (ADR) : CV13, CV28
Special provisions for carriage - Operation (ADR) : S9, S19
Hazard identification number (Kemler No.) : 68
Orange plates :



Tunnel restriction code (ADR) : D/E
EAC code : 2XE
APP code : B

Transport by sea

Special provisions (IMDG) : 274
Packing instructions (IMDG) : P001
IBC packing instructions (IMDG) : IBC02
Tank instructions (IMDG) : T11
Tank special provisions (IMDG) : TP2, TP27
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-B
Stowage category (IMDG) : B
Stowage and handling (IMDG) : SW2
Properties and observations (IMDG) : Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.

Air transport

PCA Excepted quantities (IATA) : E4
PCA Limited quantities (IATA) : Y640
PCA limited quantity max net quantity (IATA) : 0.5L
PCA packing instructions (IATA) : 653
PCA max net quantity (IATA) : 1L
CAO packing instructions (IATA) : 660
CAO max net quantity (IATA) : 30L
Special provisions (IATA) : A4, A137
ERG code (IATA) : 6C

Inland waterway transport

Classification code (ADN) : TC1
Special provisions (ADN) : 274, 802
Limited quantities (ADN) : 100 ml
Excepted quantities (ADN) : E4
Carriage permitted (ADN) : T
Equipment required (ADN) : PP, EP, TOX, A
Ventilation (ADN) : VE02
Number of blue cones/lights (ADN) : 2

Rail transport

Classification code (RID) : TC1
Special provisions (RID) : 274
Limited quantities (RID) : 100ml
Excepted quantities (RID) : E4
Packing instructions (RID) : P001, IBC02
Mixed packing provisions (RID) : MP15
Portable tank and bulk container instructions (RID) : T11

Bondsaver + Densimax

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| | |
|---|--------------------|
| Portable tank and bulk container special provisions (RID) | : TP2, TP27 |
| Tank codes for RID tanks (RID) | : L4BH |
| Special provisions for RID tanks (RID) | : TU15 |
| Transport category (RID) | : 2 |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW13, CW28, CW31 |
| Colis express (express parcels) (RID) | : CE5 |
| Hazard identification number (RID) | : 68 |

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

15.1.2. National regulations

Germany

Reference to AwSV : Water hazard class (WGK) 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : Glutaraldehyde is listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

| Full text of H- and EUH-statements: | |
|-------------------------------------|---|
| Acute Tox. 2 (Dermal) | Acute toxicity (dermal), Category 2 |
| Acute Tox. 2 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 2 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral), Category 3 |
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment — Acute Hazard, Category 1 |

Bondsaver + Densimax

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| | |
|-------------------|--|
| Aquatic Chronic 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Resp. Sens. 1 | Respiratory sensitisation, Category 1 |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| Skin Sens. 1A | Skin sensitisation, category 1A |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H310 | Fatal in contact with skin. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H330 | Fatal if inhaled. |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H335 | May cause respiratory irritation. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| | | |
|-------------------------------------|------|--------------------|
| Acute Tox. 4 (Oral) | H302 | Calculation method |
| Acute Tox. 2 (Inhalation:dust,mist) | H330 | Calculation method |
| Skin Corr. 1B | H314 | Calculation method |
| Resp. Sens. 1 | H334 | Calculation method |
| Skin Sens. 1 | H317 | Calculation method |
| STOT SE 3 | H335 | Calculation method |
| Aquatic Chronic 2 | H411 | Calculation method |

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.