

WP.20

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

1.1. Product identifier

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

Use of the Substance/Mixture Additive for construction coatings

1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification VANORA AG
Neulandstrasse 3
CH-6203 Sempach Station
T +41 41 469 92 13
www.vanora.ch
info@vanora.ch

1.4. Emergency telephone number +41 41 469 92 13 (Mo - Fr 7:30 - 17:00 MEZ/CET)
(+41 44 251 51 51 Tox Center)

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 Skin corrosion/irritation, Cat. 2, H315
Serious eye damage/eye irritation, Cat. 1, H318

Additional information For the full text of the phrases mentioned in this Section, see Section 16.

2.2. Label elements



Signal Word Danger

Hazard Statements H315: Causes skin irritation.
H318: Causes serious eye damage.

Precautionary statements P264: Wash skin thoroughly after handling.
P280: Wear protective gloves/ eye protection/ face protection.
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.
 P332 + P313: If skin irritation occurs: Get medical advice/ attention.
 P362 + P364: Take off contaminated clothing and wash it before reuse.

Supplemental information None.

Product identifier Ammonia solution, CAS-No. 1336-21-6, EC-No. 215-647-6, REACH No. 01-2119488876-14-xxxx

2.3. Other hazards No information available.

SECTION 3: Composition/information on ingredients

Chemical characterization Modified polyacrylate solution.

Components		CLP Classification	Product identifier
sodium hydroxymethanesulphinate	< 0.25%	Muta. 2 H341, Repr. 2 H361 (d), EUH031	CAS-No.: 149-44-0 EC-No.: 205-739-4 REACH No.: 01-2119487952-23-xxxx
Acetic acid	< 2.5%	Skin Corr. 1A H314, Flam. Liq. 3 H226 [CSk1A: C ≥ 90 % CSk1B: 25 % ≤ C < 90 % CSk2: 10 % ≤ C < 25 % CEy2: 10 % ≤ C < 25 %]	CAS-No.: 64-19-7 EC-No.: 200-580-7 Index-No: 607-002-00-6
Ammonia solution	< 5%	Skin Corr. 1B H314, STOT SE 3 H335, Aquatic Acute 1 H400, Aquatic Chronic 2 H411	CAS-No.: 1336-21-6 EC-No.: 215-647-6 Index-No: 007-001-01-2 REACH No.: 01-2119488876-14-xxxx

For the full text of the phrases mentioned in this Section, see Section 16.

Hazardous impurities None known.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Move to fresh air in case of accidental inhalation of vapours or decomposition products.

Skin contact Wash off immediately with plenty of water for at least 15 minutes.

Eye contact If easy to do, remove contact lens, if worn. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Ingestion Do not induce vomiting. Immediately give large quantities of water to drink.

4.2. Most important symptoms and effects, both acute and delayed None known.

4.3. Indication of any immediate medical attention and special treatment needed None known.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media No special measures required.

Extinguishing media which must not be used for safety reasons High volume water jet.

5.2. Special hazards arising from the substance or mixture None.

5.3. Advice for firefighters

Special protective equipment for firefighters Not required.

Specific methods No special measures required.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel Use personal protective equipment.

Advice for emergency responders Handle in accordance with good industrial hygiene and safety practice.

6.2. Environmental precautions Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

SECTION 7: Handling and storage

7.1. Precautions for safe handling Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities Keep containers tightly closed in a cool, well-ventilated place.

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s) No data is available on the product itself.

8.2. Exposure controls

Appropriate engineering controls General industrial hygiene practice.

Personal protection equipment

Respiratory protection In case of good ventilation no personal respiratory protective equipment required.

Hand protection Impervious gloves. PVC or other plastic material gloves. Take note of the WP.20

information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

<i>Eye protection</i>	Avoid contact with eyes. Safety glasses with side-shields.
<i>Skin and body protection</i>	No special measures required.
<i>Thermal hazards</i>	No special measures required.
Environmental exposure controls	No special measures required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Clear. Yellow.
Odour	Ammoniacal.
Odour Threshold	Not determined.
pH:	~9.5
Melting point/range:	No data available.
Boiling point/range:	No data available.
Flash point:	does not flash
Evaporation Rate:	Not determined.
Flammability:	Not determined.
Explosion limits:	Not determined.
Vapour pressure:	Not determined.
Vapor density:	Not determined.
Relative density:	~1.1 g/ml
Water solubility:	dispersible
Partition coefficient (n-octanol/water):	Not determined.
Autoignition temperature:	Not applicable.
Decomposition temperature:	Not determined.
Viscosity:	~4000 mPa.s (20°C)
Explosive properties:	not hazardous
Oxidising properties:	None

9.2. Other information

General Product Characteristics	Total solids content approx. 30 Weight %
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SECTION 10: Stability and reactivity

10.1. Reactivity	No information available.
10.2. Chemical stability	No decomposition if stored and applied as directed.
10.3. Possibility of hazardous reactions	No information available.
10.4. Conditions to avoid	Not required.
10.5. Incompatible materials	None.
10.6. Hazardous decomposition products	None reasonably foreseeable.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	No data is available on the product itself. sodium hydroxymethanesulphinate (CAS 149-44-0) No data is available on the product itself. Acetic acid (CAS 64-19-7) Dermal LD50 Rabbit = 1060 mg/kg (JAPAN_GHS) Inhalation LC50 Rat = 11.4 mg/L 4 h(NLM_CIP) Oral LD50 Rat = 3310 mg/kg (JAPAN_GHS) Ammonia solution (CAS 1336-21-6) Oral LD50 Rat = 350 mg/kg (NLM_CIP)
Skin corrosion/irritation	No data available.
Serious eye damage/eye irritation	No data available.
Respiratory / Skin Sensitisation	No data available.
Carcinogenicity	No data available.
Germ cell mutagenicity	No data available.
Reproductive toxicity	No data available.
Specific target organ toxicity (single exposure)	No data available.
Specific target organ toxicity (repeated exposure)	No data available.
Aspiration hazard	No data available.
Human experience	No data available.

SECTION 12: Ecological information

12.1. Toxicity No data is available on the product itself.

sodium hydroxymethanesulphinate (CAS 149-44-0)
Ecological injuries are not known or expected under normal use.

Acetic acid (CAS 64-19-7)
Ecotoxicity - Freshwater Fish - Acute Toxicity Data LC50 96 h Pimephales promelas 79 mg/L [static] (EPA)
LC50 96 h Lepomis macrochirus 75 mg/L [static] (EPA)
Ecotoxicity - Water Flea - Acute Toxicity Data EC50 48 h Daphnia magna 65 mg/L [Static] (EPA)

Ammonia solution (CAS 1336-21-6)
Ecotoxicity - Freshwater Fish - Acute Toxicity Data LC50 96 h Pimephales promelas 8.2 mg/L
Ecotoxicity - Water Flea - Acute Toxicity Data EC50 48 h water flea 0.66 mg/L
EC50 48 h Daphnia pulex 0.66 mg/L

12.2. Persistence and degradability No data available.

12.3. Bioaccumulative potential No data available.

12.4. Mobility in soil No data available.

12.5. Results of PBT and vPvB assessment No information available.

12.6. Other adverse effects No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products	Should not be released into the environment. Dispose of as special waste in compliance with local and national regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

ADR/RID	Not required.
IMDG	Not required.
IATA	Not required.
Further Information	Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

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

Regulatory Information	None.
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15.2. Chemical safety assessment	Not required.
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SECTION 16: Other information

Revision Note	Safety datasheet sections which have been updated: 2,15.
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Key or legend to abbreviations and acronyms	None.
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Full text of phrases referred to under sections 2 and 3	H226: Flammable liquid and vapour. H314: Causes severe skin burns and eye damage. H315: Causes skin irritation. H318: Causes serious eye damage. H335: May cause respiratory irritation. H341: Suspected of causing genetic defects. H361d: Suspected of damaging the unborn child. H400: Very toxic to aquatic life. H411: Toxic to aquatic life with long lasting effects.
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Instructions for use	Restricted to professional users.
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Disclaimer	It is not to be considered a warranty or quality specification. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
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