

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
(amended by Regulation (EU) 2020/878)

Neostar

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

1.1. Product identifier

Product name	Neostar
Product code	400240
Unique formula identifier (UFI)	XA7W-PXQA-108H-8X7U

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

Use of the Substance/Mixture	Cleaning agent
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1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification	Flühler Reinigungsprodukte AG Mühlestrasse 4 8344 Bäretswil Tel. 044 939 91 91 Fax. 044 939 91 99 info@fluehler.ch
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1.4. Emergency telephone number	145 (Tox Info Suisse)
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Revision date	07.06.2023
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Version	GHS 1
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008	The substance or mixture is not classified.
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In accordance with Regulation (EC) No. 1272/2008, the product does not need to be classified nor

labelled.

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

2.2. Label elements

Signal Word None.

Hazard Statements None.

Precautionary statements None.

Supplemental information None.

Product identifier Not required.

2.3. Other hazards None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Cleaning agent.

Components	Weight %	CLP Classification	Product identifier
Citric acid monohydrate	1% - 2.5%	Eye Irrit. 2 H319	CAS-No.: 5949-29-1 EC-No.: 201-069-1
propan-2-ol; isopropyl alcohol; isopropanol	5% - 10%	Eye Irrit. 2 H319, STOT SE 3 H336, Flam. Liq. 2 H225	CAS-No.: 67-63-0 EC-No.: 200-661-7 Index-No: 603-117-00-0

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 No special measures required.

Skin contact Wash with water and soap as a precaution.

Eye contact Immediately flush eye(s) with plenty of water.

Ingestion Clean mouth with water and drink afterwards plenty of water.

4.2. Most important symptoms and effects, both acute and delayed The product contains no substances known to be hazardous to health in concentrations which need to be taken into account.

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 Use dry chemical, CO₂, water spray or alcohol foam. Use water spray, alcohol-resistant foam, dry extinguishing agent or carbon dioxide.

Unsuitable extinguishing media High volume water jet.

5.2. Special hazards arising from the substance or mixture During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

5.3. Advice for firefighters

Special protective equipment for firefighters Standard procedure for chemical fires. In the event of fire, wear self-contained breathing apparatus. Complete suit protecting against chemicals.

Specific methods Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel No special measures required. Use personal protective equipment. Avoid contact with skin and eyes. Do not breathe vapours/dust.

For emergency responders Use personal protective equipment. Do not breathe vapours/dust. Ventilate the area.

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

6.3. Methods and material for containment and cleaning up Clean up promptly by sweeping or vacuum. After cleaning, flush away traces with water. Keep in suitable and closed containers for disposal (Plastic container of HDPE).

6.4. Reference to other sections See chapter 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	No special technical protective measures required. Plan first aid action before beginning work with this product. Wear personal protective equipment. Do not breathe vapours/dust. Avoid contact with skin and eyes.
7.2. Conditions for safe storage, including any incompatibilities	Store in a place accessible by authorized persons only. Keep container tightly closed. Store in original container.
7.3. Specific end use(s)	Use only in accordance with our recommendations.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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

propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)

Switzerland - Biological Limit Values (BAT-Werte)	25 mg/L Medium: urine Time: end of shift Parameter: Acetone 0.4 mmol/L Medium: urine Time: end of shift Parameter: Acetone 25 mg/L Medium: whole blood Time: end of shift Parameter: Acetone 0.4 mmol/L Medium: whole blood Time: end of shift Parameter: Acetone
Switzerland - Occupational Exposure Limits - Developmental Risk Groups	Developmental Risk Group C
Switzerland - Occupational Exposure Limits - STELs - (KZGWs)	400 ppm STEL [KZGW] 1000 mg/m ³ STEL [KZGW]
Switzerland - Occupational Exposure Limits - TWAs - (MAKs)	200 ppm TWA [MAK] 500 mg/m ³ TWA [MAK]
Austria - Occupational Exposure Limits - Carcinogens	Group C Carcinogen (by manufacturing of strong Acid process) Group C Carcinogen (residue from Isopropanol manufacturing)
Austria - Occupational Exposure Limits - STELs - (MAK-KZGWs)	800 ppm STEL [KZGW] (4 X 15 min) 800 ppm STEL [KZGW] (STEL for large casting valid until December 31, 2013, 4 X 30 min) 2000 mg/m ³ STEL [KZGW] (4 X 15 min) 2000 mg/m ³ STEL [KZGW] (STEL for large casting valid until December 31, 2013, 4 X 30 min)
Austria - Occupational Exposure Limits - TWAs - (MAK-TMWs)	200 ppm TWA [TMW] 500 mg/m ³ TWA [TMW]
Germany - DFG - Recommended Exposure Limits - Ceilings (Peak Limitations)	400 ppm Peak 1000 mg/m ³ Peak
Germany - DFG - Recommended Exposure Limits - Pregnancy	no risk to embryo/fetus if exposure limits adhered to
Germany - DFG - Recommended Exposure Limits - TWAs (MAKs)	200 ppm TWA MAK 500 mg/m ³ TWA MAK
Germany - TRGS 900 - Occupational Exposure Limits - TWAs (AGWs)	200 ppm TWA AGW (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 2) 500 mg/m ³ TWA AGW (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 2)

8.2. Exposure controls

Appropriate engineering controls General industrial hygiene practice. Handle in accordance with good industrial hygiene and safety practice.

Personal protection equipment

Respiratory protection No special protective equipment required.

Hand protection Gloves made of Nitril. The selected protective gloves have to satisfy the specifications of Regulation (EU) No. 2016/425 and the standard EN 374 derived from it. Break through time: ≥ 30 min.

Eye protection Safety glasses.

Skin and body protection Long sleeved clothing.

Thermal hazards No special measures required.

Environmental exposure controls Prevent product from entering surface water or sewage.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Colour	No information available.
Odour	Alcoholic.
Melting point/ freezing point:	Not determined.
Boiling point or initial boiling point / range:	Not determined.
Flammability:	Not determined.
Lower and upper explosion limit:	Not determined.
Flash point:	Not determined.
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
pH:	9
Kinematic viscosity:	Not determined.
Solubility:	completely soluble (Water)
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density:	1.06
Relative vapour density:	Not determined.
Particle characteristics:	Not applicable.

9.2. Other information

9.2.1 Information with regard to physical hazard classes No information available.

9.2.2 Other safety characteristics No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity	No hazards to be specially mentioned.
10.2. Chemical stability	No decomposition if used as directed.
10.3. Possibility of hazardous reactions	No hazards to be specially mentioned.
10.4. Conditions to avoid	Burning produces obnoxious and toxic fumes.
10.5. Incompatible materials	According to experience not expected.
10.6. Hazardous decomposition products	None under normal use.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	No data is available on the product itself. propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0) Dermal LD50 Rabbit = 4059 mg/kg (JAPAN_GHS) Inhalation LC50 Rat > 10000 ppm 6 h(ECHA_API) Oral LD50 Rat = 1870 mg/kg (JAPAN_GHS)
Skin corrosion/irritation	May irritate skin.
Serious eye damage/eye irritation	Contact with eyes may cause irritation.
Respiratory / Skin Sensitisation	None.
Carcinogenicity	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
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	This product has no known adverse effect on human health.

11.2. Information on other hazards

Endocrine disrupting properties	No data available.
Other information	No data available.

SECTION 12: Ecological information

12.1. Toxicity	Ecological injuries are not known or expected under normal use.
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	
Ecotoxicity - Freshwater Algae - Acute Toxicity Data	EC50 96 h <i>Desmodesmus subspicatus</i> >1000 mg/L (IUCLID) EC50 72 h <i>Desmodesmus subspicatus</i> >1000 mg/L (IUCLID)
Ecotoxicity - Freshwater Fish - Acute Toxicity Data	LC50 96 h <i>Pimephales promelas</i> 9640 mg/L [flow-through] (IUCLID) LC50 96 h <i>Pimephales promelas</i> 11130 mg/L [static] (IUCLID) LC50 96 h <i>Lepomis macrochirus</i> >1400000 µg/L (EPA) EC50 48 h <i>Daphnia magna</i> 13299 mg/L (IUCLID)
Ecotoxicity - Water Flea - Acute Toxicity Data	
12.2. Persistence and degradability	Readily biodegradable.
12.3. Bioaccumulative potential	Bioaccumulation is unlikely. Accumulation in aquatic organisms is unlikely.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	No information available.
12.6. Endocrine disrupting properties	No information available.
12.7. Other adverse effects	No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products	Dispose of as hazardous waste in compliance with local and national regulations. Swiss waste code (VeVA): 161901 (S).
Contaminated packaging	Offer rinsed packaging material to local recycling facilities. Dispose of as unused product.

SECTION 14: Transport information

14.1. UN number or ID number	Not applicable.
14.2. UN proper shipping name	Not applicable.
14.3. Transport hazard class(es)	Not applicable.
14.4. Packing group	Not applicable.

14.5. Environmental hazards	Not applicable.
14.6. Special precautions for user	Not applicable.
14.7. Maritime transport in bulk according to IMO instruments	Not applicable.
UN Model Regulations	
ADR/RID	Not regulated.
IMDG	Not regulated.
IATA	Not regulated.
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	The product is classified and labelled according to Regulation (EC) No. 1272/2008. Water contaminating class (WGK Germany) = 1. Storage class 12. VOC (CH) = 9.9
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Citric acid monohydrate (CAS 5949-29-1)

EU - Cosmetics (1223/2009) - Annex V - Preservatives - Other Limitations and Requirements	Prohibited in oral products and eye products
EU - REACH (1907/2006) - List of Registered Substances	Present
Germany - Water Classification - Substances According to AwSV Classified By or Based on the VwVwS	Reg. no. 8248, hazard class 1 - slightly hazardous to water

propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)

Switzerland - Biocides - Annex II - Active Substances - Minimum Purity	99 w/w% Sunset Date: 06/30/2026
Switzerland - Biocides - Annex II - Active Substances - Product Type	Product Type: 1 Product Type: 2 Product Type: 4 2905.1290
Switzerland - Volatile Organic Compounds (VOCs) - Group I	
EU - Biocides (2007/565/EC) - Substances and Product-Types Not to Be Included in Annexes I, IA and IB to Directive 98/8/EC	Product type: 9 Product type: 10 Product type: 11 Product type: 12

EU - Biocides (528/2012/EU) -
Active Substances

1 - Human hygiene (Commission Implementing Regulation
2015/407/EU
Commission Implementing Regulation 2022/2252/EU
Commission Implementing Decision 2019/2030/EU
Commission Implementing Decision 2020/106/EU
Commission Implementing Decision 2021/754/EU, listed under L+R
Propanol PT1 Family
Knieler & Team Propanol Family)
2 - Disinfectants and algacides not intended for direct application
to humans or animals (Commission Implementing Regulation
2015/407/EU
Commission Implementing Regulation 2022/2252/EU
Commission Implementing Decision 2019/2030/EU
Commission Implementing Decision 2020/106/EU
Commission Implementing Decision 2021/754/EU, listed under
perform-IPA product family
DEC-AHOL® product Family
Lyso IPA Surface Disinfection product family
Knieler & Team Propanol Family
IPA Family 1)
4 - Food and feed area disinfectant (Commission Implementing
Regulation 2015/407/EU
Commission Implementing Regulation 2022/2252/EU
Commission Implementing Decision 2019/2030/EU
Commission Implementing Decision 2020/106/EU
Commission Implementing Decision 2021/754/EU, listed under
perform-IPA product family
Lyso IPA Surface Disinfection product family
Knieler & Team Propanol Family
IPA Family 1)

EU - REACH (1907/2006) - Annex
XVII - Restrictions on Certain
Dangerous Substances
EU - REACH (1907/2006) - List of
Registered Substances
Germany - Water Classification -
Substances According to AwSV
Classified By or Based on the
VwVwS

Use restricted. See item 75.

Present

Reg. no. 135, hazard class 1 - slightly hazardous to water

15.2. Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

Revision Note

Safety datasheet sections which have been updated: .

Key or legend to abbreviations and acronyms

CLP: Classification according to Regulation (EC) No. 1272/2008
(GHS)
VeVA: Ordinance on the Treatment of Waste (SR 814.610)
VOC: Volatile organic compounds (VOC) content

Classification procedure

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

Full text of phrases referred to under sections 2 and 3

H225: Highly flammable liquid and vapour.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.

Further information

Take notice of the directions of use on the label.

Disclaimer

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. 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.