

SDS according to Annex of Commission Regulation (EU) No 830/2015 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning REACH.

Version 1.5 Preparation date: 19 July 2008.
Revision date: 10 September 2017.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier

Trade name: **i-protect N5**

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

Identified uses: Daily cleaner for sanitary facilities. Unique product powered by aXonnite[®]

Uses advised against: None identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer:

Nano-Tech Polska Sp. z o.o. Sp. Kom.

Grzybowska Str. 16/22 loc.717, 00-132 Warsaw, POLAND

Tel. +48 22 789 44 51

Contact person: **Paweł Siejko**, e-mail: info@nano-tech.pl

1.4 Emergency telephone number

- 112 Cell phone and landline; 998 State Fire Brigade; Medical emergency 999

- +48 22 789 44 51 (office hours of Nano-Tech: 8-16)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Product is classified as hazardous according to Regulation EC 1272/2008 (CLP)

Health hazards

Irritating to skin – Category 2: **H315**

Irritating to eyes – Category 2: **H319**

Physicochemical hazards not classified as hazardous.

Environmental hazards not classified as hazardous.

The full texts of H phrases are given in Section 16 of SDS.

2.2 Label elements

Label elements according to Regulation EC 1272/2008 (CLP)

Pictogram:



GHS 07

Signal word: Warning

Hazard statements indicating type of danger

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements indicating conditions of safe use**P302+P352** IF ON SKIN: Wash with plenty of water with soap**P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**Additional remarks:** Contains: 5 – 15 % phosphoric acid, sulfonamide acid, < 5 % anionic surfactant.**2.3. Other hazards**

This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher, and they are not included in Annex XVII of Regulation (EC) No 1907/2006.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**3.1 Substances** Not applicable.**3.2 Mixtures****Phosphoric acid**

Content: 5 – 15 %

CAS No: 7664-38-2, EC No: 231-633-2, Index No: 015-011-00-6

ECHA registration No: 01-2119485924-24-XXXX

Classification according to Regulation **EC 1272/2008** (CLP)

Skin Corr. 1B, H314

Signal word – Danger



GHS 05

Sulfonamide acid

Content: 5 – 15 %

CAS No: 5329-14-6 EC No: 226-218-8 Index No: -

ECHA registration No: 01-211988633-28-XXXX

Classification according to Regulation **EC 1272/2008** (CLP)

Skin Irrit. 2, H315; Eye Irrit. 2, H319

Aquatic Chronic 3, H412

Signal word: Warning



GHS 07

Alkylbenzenesulfonic acid

Content: < 5 %

CAS No: 85536-14-7 EC No: 287-494-3 Index No: -

ECHA registration No: 01-2119490234-40-XXXX

Classification according to Regulation **EC 1272/2008** (CLP)

Skin Corr. 1C, H314; Acute Tox. 4, H302,

Signal word – Danger



GHS 05



GHS 07

The full texts of H phrases, hazard classes are given in Section 16 of SDS.

Ingredients according to the requirements of Regulation (EC) No. 648/2004 on detergents:

5 – 15 %: phosphoric acid, < 5 % anionic surfactant, phosphonic acid, .parfume.

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures****General Advice:** Immediately remove contaminated clothing, rinse with water, never give anything by mouth to an unconscious person.

Inhalation

Remove person to fresh air, keep at rest, protected against heat loss, consult doctor according to symptoms.

Skin contact

Rinse with plenty of water, in the case of persist complaints consult a doctor.

Eye contact

Remove contact lenses, wash immediately with plenty of water for at least 15 minutes, keeping eyelids open (avoid strong current due to the risk of mechanical damage to the cornea), consult a doctor.

Ingestion

Rinse mouth with water, drink plenty of water, do not induce vomiting, seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

There are no other relevant data available.

4.3 Indication of any immediate medical attention and special treatment needed

Note to the doctor: Treatment according to symptoms.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Fire extinguishing agents should be appropriate to the size of the fire and burning media.

In case of fire, you can use the following extinguishing media: dry chemical, water, foam and carbon dioxide.

Unsuitable extinguishing media: undefined

5.2 Special hazards arising from the substance or mixture

Combustion can result in: mixture is non-combustible.

5.3 Advice for firefighters

Use personal protective equipment, depending on the size of the fire and suitable for burning materials.

Dispose of fire debris and contaminated water in accordance with waste regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid direct contact with eyes and skin, be careful, there is a danger of slipping.

Wear personal protective equipment, use suitable protective clothing, gloves, eye protection / face protection. Do not drink, eat or smoke while working.

6.2 Environmental precautions

Do not allow to enter drains spills, surface water, groundwater and soil.

6.3 Methods and materials for containment and cleaning up

Eliminate the leak (close liquid flow, seal, damaged container put in protective packaging); small spills with absorbent material (eg. sand, diatomaceous earth, sawdust, universal absorbent material), put in a closed container. Forward for disposal.

Rinse remaining material with plenty of water. Do not use solvents or thinners.

6.4 Reference to other sections

Dispose of in accordance with the recommendations set out in Section 13

Information regarding personal protective equipment specified in Section 8

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling of the product: use as directed, take care to ensure good ventilation, avoid contact with eyes, avoid contact with skin, do not eat or drink and do not smoke while using mixture.

Detailed information on the use of the product can be found on the label and leaflet.
Wash hands during breaks and after work. Keep away from food, drink and animal feeding.
Before entering the dining area take off outer clothing.
Immediately remove all contaminated clothing, wash before reuse.
Handle in accordance with good industrial hygiene and safety advice

7.2 Conditions for safe storage, including any incompatibilities

Keep out of reach of unauthorized persons.
Store in original, properly labeled, tightly closed, standing upright containers in a separate storage room with good ventilation, away from acids. Store at room temperature.

7.3 Specific end use(s)

No information about the applications other than those listed in section 1

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Ingredients harmful to health that require monitoring at the workplace and their limits:

- **phosphoric acid** - WEL-TWA – 1 mg/m³,
- WEL-STEL – 2 mg/m³.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide good room ventilation.

8.2.2 Individual protection measures, such as personal protective equipment

Handle in accordance with good industrial hygiene when handling chemicals.
Before breaks and after work wash hands. Keep away from food, drink and animal feeding.
Before entering the dining area take off outer clothing.

Eye/Face Protection: wear safety glasses or face shield (EN 166).

Skin protection - hand protection: wear protective gloves resistant to chemicals made of materials such as latex, chloroprene, nitrile / chloroprene, fluoro rubber (EN 374).

Use of hand protective cream is recommended.

Skin protection: wear protective clothing and shoes resistant to chemicals.

Respiratory protection: under normal conditions of use is not required.

8.2.3 Environmental exposure controls

Prevent penetration into the water system and watercourses in concentrated form.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- a) Appearance: colorless, red liquid.
- b) Odour: characteristic.
- c) Odour threshold: no data available.
- d) pH-value (temp. 25°C): ca. 2; pH-value (1% solution): oca. 3.
- e) Melting / freezing point: no data available.
- f) Initial boiling point and boiling range: no data available.
- g) Flash point: not applicable.
- h) Evaporation rate: no data available.
- i) Flammability: mixture is non-flammable.
- j) Upper / lower flammability or upper / lower explosive limit: not applicable.
- k) Vapour pressure [hPa]: no data available.
- l) Vapour density: no data available.

- m) Density, temp. 20°C: 1.09 g/cm³
n) Water solubility: completely miscible.
o) Partition coefficient: n-octanol/water: no data available.
p) Autoignition temperature: not applicable.
q) Decomposition temperature: no data available.
r) Viscosity [mPa s], temp. 20°C: no data available.
s) Explosive properties: not applicable.
t) Oxidising properties: not applicable.

9.2 Other Information

No data available.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

Under conditions of storage and use as intended - no reactivity.

10.2 Chemical stability

Product is stable under the typical use and storage conditions.

10.3 Possibility of hazardous reactions

Under normal conditions of use, hazardous reactions do not occur.

10.4 Conditions to avoid

Avoid strong alkali. See also section 7.

10.5 Incompatible materials

No dangerous reactions are known with other materials.

10.6 Hazardous decomposition products

Under normal conditions of use no hazardous decomposition products are liberated.
See also Subsection 5.2.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1.1 Information on toxicological effects**

Acute toxicity: no data available for the preparation

Data on the components**Phosphoric acid**

Acute toxicity:

LD50 (oral, rat) 1530 mg/kg

LC50 (oral, rat) 100 - 1000 mg/kg

LD50 (skin, rabbit) 2740 mg/kg

In contact with the skin and mucous membranes it has a corrosive effect.

Eye contact: it has a corrosive effect.

Exposure of the digestive system - after ingestion has a corrosive effect.

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

Toxicity to the environment: Based on the available data, the classification criteria are not met.

Toxicity to the environment: no data available for the preparation

12.2 Persistence and degradability

Biodegradability: no data available for the mixture.

12.3 Bioaccumulative potential

Not expected to have bioaccumulative potential.

It contains no AOX.

Bioconcentration factor (BCF): no data available

Disodium metasilicate: it has no potential for bioaccumulation - inorganic substance.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

The mixture does not meet the criteria for PBT and vPvB.

12.6 Other adverse effects

No other available information.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Comply with the provisions of the Waste Act and the Act on packaging and packaging waste.

Classification of waste in accordance with the Decree on the catalog of waste (OJ no. 112, item 1206, 2001 - Polish Law).

Waste Code:

07 06: Wastes from the manufacture, formulation, supply and use of fats, grease, soaps, detergents, disinfectants and cosmetics.

07 06 99: wastes not otherwise specified.

Dispose according to local regulations.

SECTION 14: TRANSPORT INFORMATION

Transport by road (ADR/RID)

14.1 UN 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 users: not applicable.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: not applicable.

SECTION 15: REGULATORY INFORMATION

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

- Regulation (EC) No **1272/2008** of 16 December 2008. on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (OJ EU No L 353 of 31 December 2008) (CLP).

- Regulation (EC) No **648/2004** of 31 March 2004 on detergents, Acts. EU Laws, 104/1, 04.08.2004.

- Regulation (EC) No **907/2006** of 20 June 2006 amending Regulation EC No 648/2004 on detergents, in order to adapt Annexes III and VII, Coll. Journal EU L No 168 of 21 June 2006

- Regulation (EC) **1907/2006** of 18 December 2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing European Chemicals Agency, amending Directive 1999/45/EC and

repealing Regulation (EEC) No 793/93 and Regulation (EC) No 1488/94 as well as Directive 76/769/EEC and Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (OJ EU L 396 of 30 December 2006, as amended).

- COMMISSION REGULATION (EU) **2015/830** of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (OJ EU L 132 of 29 May 2015)

Polish legislation:

- The Act of 25 February 2011. on chemical substances and their mixtures (Journal of Laws (PL) No. 63 of 25 February 2011).

15.2 Chemical Safety Assessment

Has not been made.

SECTION 16: OTHER INFORMATION

H-phrases (indicating type of hazard) and hazard class used in Sections 2 and 3 of Safety Data Sheet:

H302 Harmful if swallowed

H314 Causes severe skin burns and eye damage

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Acute Tox. 4 – Acute toxicity - oral (Category 4).

Eye Irrit. 2 – Eye irritation (Category 2).

Skin Irrit. 2 – Skin irritation (Category 2).

Skin Corr. 1B/1C – Skin corrosion (Category 1B/1C).

The necessary training.

All persons involved in the sale and use of the product should be trained in hygiene and safe handling and use of chemical mixtures.

The information contained in this data sheet are based on literature data and Internet, raw material safety data sheets and safety data sheets of similar products. The manufacturer is not liable for any damage, loss, damage resulting from misuse of the product or omissions appropriate action.

The above information is based on current state of art and apply to product as it is used. Data concerning this product are presented in order to take into account the security requirements and not to guarantee its special properties.

This product is intended for professional use, detailed information on the use of the product is preset on the label and leaflet. Read label before use.

List of abbreviations used in this document:

AOX – Adsorbable organic halogen compounds.

BCF – Bioconcentration factor.

CAS – Chemical Abstract Service.

CLP – Classification Labelling Packaging - simplified reference to EC Regulation 1272/2008.

ECHA – European Chemical Agency

PBT – Persistent, bioaccumulative and toxic.

REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals - simplified reference to EC Regulation 1907/2006.

vPvB – Substance very persistent and very bioaccumulative.

WEL-TWA – Workplace Exposure Limit – Time Weighted Average, long term exposure limit, 8 hours reference period.

WEL-STEL – Workplace Exposure Limit – Short Term Exposure Limit, 15 minutes reference period.

Changes compared to the previous version: