**SECTION 1 IDENTIFICATION OF THE MIXTURE AND THE COMPANY**

**1.1 Product identifier:**

**SANIT all - AIR**

**1.2 Relevant identified uses of the substance or mixture and not recommended uses:**

Surface disinfection

**Not recommended use:** all, except for the above-stated uses

**1.3 Details of the SDS supplier:**

**1.3.1 Product supplier specifications**

NTV Services s. r. o.,

Západní 1818 / 69B,

360 01 Karlovy Vary, tel.:: +420 733 738 301, info@ntvservices.cz

**1.3.2 A competent person responsible for the safety data sheet**

email: martina\_sramkova@volny.cz

**1.4 Phone number for emergencies**

+420 602 414 051 or toxicology information centre, Na Bojišti 1, 128 08 Prague 2, telephone round the clock 224 919 293, 224

915 402, or (by day only) 224 914 575.

**SECTION 2 HAZARD IDENTIFICATION**

**2.1 Classification of the substance or mixture:**

**2.1.1 Classification in accordance with EU Regulation No 1272/2008**

Not classified as a hazardous mixture

**2.1.2 The most serious adverse physic-chemical effects**

none

**2.1.3 The most serious adverse effects on human health**

none

**2.1.4 The most serious adverse effects on the environment**

none

**2.2 Label elements**

**2.2.1 Labelling in accordance with EU Regulation No 1272/2008**

P102 Keep out of the reach of children.

P305+P351+P338 when eye contact: rinse carefully with water for a few minutes. Remove contact lenses, if present and can be removed easily. Continue rinsing.

P302+P352 in contact with the skin: wash with plenty of water

EUH210 a safety data sheet is available upon request.

EUH208 contains polyhexamethylene guanidine hydrochloride. It can provoke an allergic reaction.

Contains: Alkyl (C12-16) dimethylbenzylammonium chloride 0.025 g / 100 g; perfumes; disinfectants

**2.3 Other hazards**

The mixture does not meet the criteria for PBT or hPhB substances in accordance with an annex XIII to EU regulation 1907/2006

**2.4 Further information**

None

**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2 Mixtures**

|  |
| --- |
| Aqueous solution of the following hazardous substances and other substances without hazardous properties. |
| **Hazardous substances:** | **Index no****EC no CAS no Registration number** | **Content****(%hm.)** | **Classification****by (EC) no 1272/2008** |
| polyhexamethylene guanidine hydrochloride 1) | NoNo57029-18-2no | < 1 | Eye Dam. 1, H318;Aqatic Acute 1, H400;Aqatic Chronic 1, H410; Acute Tox. 4, H302; Skin Irrit. 2, H315;Skin Sens. 1, H317 |
| Alkyl (C12-C16) benzyl(dimethyl)ammonium chlorides*; Alkyl (C12-16)dimethylbenzylammonium chloride (ADBAC/BKC (C12-C16)) 2)* | no270-325-268424-85-1no | 0.025 | Acute Tox. 4 ( \* ) H302Skin Corr. 1B H314Aquatic Acute 1 H400, M=10Aqatic Chronic 1, H410; M=1 |

1) classification of the substance taken from the supplier of the raw material. This is not a binding classified substance

2) Was used accepted classification of the substance, which is based on harmonised classification of the substance CAS no: 63449-41-2, and from a materials suppliers of raw materials

Full text of H phrases and abbreviations classification according to (EC) 1272/2008 is stated in section 16 of this safety data sheet

**SECTION 4 FIRST AID GUIDELINES**

**4.1 Description of the First Aid**

**4.1.1 General guidelines**

Remove stained clothing. In the event of any uncertainty or any difficulties, seek medical advice and submit this

Safety Data Sheet or product label. Take care to protect your own health.

**4.1.2 In case of inhalation:**

Immediately move the affected person to fresh air. Immediately, if necessary, according to the symptoms of disability, call a doctor.

**4.1.3 In case of eye contact:**

Open the eyelids, possibly remove the contact lens, and the affected eye thoroughly rinse with clean running water for 15 minutes. Further procedure consult an ophthalmologist

**4.1.4 In case of skin injury:**

Wash the affected skin with water and soap, rinse thoroughly with water and, if necessary, treat with a protective cosmetic cream.

Do not use any solvents. With skin irritation or other problems, consult a specialist for further treatment.

**4.1.5 In case of ingestion:**

Rinse your mouth thoroughly with water, and when the affected is conscious, allow to drink more water and not cause vomiting.

Consult a doctor.

**4.2 The most important acute and delayed symptoms and effects**

Data are not available

**4.3 Instruction on immediate medical assistance and special treatment**

It depends on the individual routes of exposure (see previous information).

**SECTION 5 FIREFIGHTING MEASURES**

**5.1 Extinguishing agents**

**5.1.1 Suitable extinguishing material:**

Non-combustible material. Carbon dioxide, fire foam, fire extinguishing powder, shattered water stream. Fire extinguishers adapt to burning substances

nearby.

**5.1.2 Inappropriate extinguishing agents**

Not known

**5.2 Specific hazards arising from the substance or mixture:**

Fire will produce dense black smoke, may lead to the formation of carbon monoxide and dioxide and other toxic gases. Inhalation of dangerous decomposition (pyrolysis) products can cause serious harm to health.

**5.3 Instructions for firefighters:**

Protective equipment to choose according to the size of the fire. Appropriate protective respiratory mask with independent air intake and, where appropriate, full protective clothing.

**5.4 Further information**

Cool the products in sealed containers that are close to the fire by water. If possible, remove products in undamaged packaging from the hazard area. Separately store the contaminated fire extinguishing water and do not drain into the sewer. Remove fire extinguishing water or used extinguishing material together with residues after combustion according to the relevant regulations

**SECTION 6 MEASURES IN CASE OF ACCIDENTAL LEAKAGE**

**6.1 Measures for the protection of persons, protective equipment and emergency procedures**

**6.1.1 For workers other than workers intervening in emergencies**

Respect the guidelines set out in Sections 7 and 8. Prevent contact with eyes, skin and clothing. Ventilate a space enough. No entry to unauthorized persons, no smoking. Use a respiratory apparatus when vaporising

**6.1.2 For emergency workers**

Personnel intervening in an emergency shall have adequate personal protective clothing (see Section 5, 8).

**6.2 Environmental measures**

Prevent the extension of the leaked amount. Do not let the product enter the sewer, surface and ground water sources and soil. In a larger leakage of the detergent into the environment proceed according to local legislation (law on waters) and contact the relevant departments of the local authorities, report of the environment or the inspectorate of the CEI

**6.3 Methods and material for limiting leakage and cleaning**

Fence the leaked product in (e.g., sorption snake, etc.), or use a sewer cover to prevent leakage into the drainage system. Then fill the leaked product in an appropriate non-combustible absorbent material, e.g. universal sorbent, sand, earth or fine gravel, and then collect into suitable labelled containers. Thoroughly wash the affected area and used tools with a suitable detergent, do not use thinners.

**6.4 Reference to other sections**

See also Sections 7, 8 and 13

**SECTION 7 HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

Before use, it is necessary to familiarize yourself with the contents of chapters 2, 6, 8 and 11. Respect the statutory protective and safety regulations for the handling of chemicals. Do not inhale aerosols. Keep the product out of the reach of an open fire and sources of high temperature. Prevent contact of the detergent with eyes and skin. Observe the instructions and manual for use indicated on the label of the product packaging. While working, do not eat, drink and smoke. Before the break and after the end of work, wash your hands and undress the stained work clothes. Keep this work clothes separately.

**Warning to protect against Fire and explosions:** no special precautions are required.

**7.2 Conditions for safe storage of substances and mixtures including incompatible substances and mixtures**

**Requirements for storage areas and containers:**

Store only at temperatures from 10 °C to 25 °C. Protect from sunlight and heat. Store in accordance with the law on Waters.

**Bulk storage warning:** store separately from food.

**Additional information on storage conditions:** none

**7.3 Specific end-use(s)**

The use of the product is provided by the manufacturer in the instructions for use, which is listed on the package label or in accompanying documentation.

**SECTION 8 EXPOSURE LIMITATION/PERSONAL PROTECTIVE EQUIPMENT**

**8.1 Control parameters**

The mixture does not contain substances for which concentration limits are set in the working environment (NV 361/2007Coll., as amended - maximum permissible exposure limit=PEL; maximum permissible concentration in working air=NPK-P).

|  |  |  |
| --- | --- | --- |
| **Chemical name** | **Pel (mg/m3)** | **NPK-P (mg/m3)** |
|  |  |  |

**8.1.1 Other data on limit values**

DNEL: information not available, risk assessment not carried out

PNEC: information not available, risk assessment not carried out

**8.2 Exposure limitation**

**8.2.1 Appropriate technical checks**

Take care of the usual measures to protect health at work and, in particular, good ventilation. This can be achieved only by local suction or effective general ventilation. If this is not possible to comply with NPK-P, appropriate respiratory protection must be used.

|  |
| --- |
| When working with the mixture, do not eat, drink, do not smoke. Avoid spattering of the eyes and skin. Wash your hands before breaks and at the end of work.Store separately from food, beverages and feed |
| **8.2.2** | **Individual protective measures including personal protective equipment** |
| Personal protective equipment used must comply with government regulation 495/2001 Coll. (transposition of Directive 89/686 /EEC). |
| **8.2.2.1** | **General sanitary and protective measures:** |
| Avoid prolonged and repeated skin contact.Use the usual preventive measures when dealing with chemicals. When working with the mixture, do not eat, drink, do not smoke. Avoid spattering of the eyes and skin. Wash your hands before breaks. Don't rub or touch your eyes with dirty hands. Prevent gas/fog/vapour from spreading. Store work clothes separately. Do not inhale steam or fog. |
| **8.2.2.2** | **Respiratory protection** |
| It is not needed under regular conditions. In case of insufficient ventilation and exceeding the permitted exposure limit valuesapply a suitable breathing mask with a filter for organic gases and vapours. |
| **8.2.2.3** | **Hand protection** |
| Protective gloves (EN 374).**Glove material** Rubber (EN 374).**Time of penetration through the glove material**No tests have been carried out, the resistance of gloves needs to be tested before use.The glove manufacturer must identify and observe the exact times of penetration through the material of the protective gloves. |
| **8.2.2.4** | **Eye protection** |
| Use tight - fitting goggles (EN 166). |
| **8.2.2.5** | **Skin protection (whole body):** |
| Use protective clothing with long sleeves, possibly safety protective shoes. |
| **8.2.3** | **Limitation of the environmental exposure** |
| Close the packaging well after work, cover the packaging during work, clean the packaging from pollution during work, stablystore packaging, avoid overturning of an unsecured packaging |

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

|  |  |
| --- | --- |
| APPEARANCE | Liquid, colourless |
| ODOUR | characteristic |
| ODOUR THRESHOLD | Data are not available |
| pH | Data are not available |
| MELTING POINT | Data are not available |
| BOILING POINT | Approx. 100 °C |
| FLASHPOINT | > 100°C |
| EVAPORATION RATE | Data are not available |
| FLAMMABILITY | Data are not available |
| EXPLOSIVE PROPERTIES | Data are not available |
| UPPER / LOWER FLAMMABILITY LIMITS OREXPLOSIVITY | Data are not available |
| VAPOUR PRESSURE | Data are not available |
| STEAM DENSITY | Data are not available |
| RELATIVE DENSITY | Data are not available |
| SOLUBILITY | Water soluble |
| PARTITION COEFFICIENT N-OCTANOL / WATER | Data are not available |
| SPONTANEOUS COMBUSTION TEMPERATURE | Not spontaneous |
| DECOMPOSITION TEMPERATURE | Data are not available |
| VISCOSITY | Data are not available |
| OXIDIZING PROPERTIES | Data are not available |

**9.2 Further information**

none

**Section 10 STABILITY AND REACTIVITY**

**10.1 Reactivity**

The product is stable under normal conditions of use, decomposition does not occur.

**10.2 Chemical stability**

The product is stable under normal conditions of use.

**10.3 Possibility of dangerous reactions**

|  |
| --- |
| It is not appropriate to use metal containers and utilities. Do not apply the product simultaneously with chlorine agents |
| **10.4** | **Conditions to be avoided** |
| Other relevant information is not available |
| **10.5** | **Incompatible materials** |
| Do not apply the product simultaneously with chlorine agents |
| **10.6** | **Dangerous decomposition products** |
| Under normal use, they do not arise. Hazardous products such as carbon monoxide and carbon dioxide, smoke and nitrogen oxides are produced at high temperatures and fire. |

**Section 11 TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

**11.1.1 Mixtures**

No relevant toxicological data are available for the mixture. The mixture was evaluated by calculation methods. Acute toxicity: Data not available, corrosion/irritation for the skin: Data are not available

Serious eye damage/eye irritation: Data not available airway sensitisation/skin sensitisation: Data are not available, mutagenicity in germ cells: Data are not available, carcinogenicity: Data are not available, reproductive toxicity available: Data are not available, specific target organ toxicity-single exposure: Data are not available, specific target organ toxicity-repeated exposure: Data are not available, inhalation hazard: Data are not available

**11.1.2 Ingredients of the mixture**

Data are not available

**11.2 Dangerous health effects**

Data are not available

**Section 12 ECOLOGICAL INFORMATION**

**12.1 Toxicity**

**12.1.1 Mixtures**

No relevant toxicological data are available for the mixture.

**12.1.2 Ingredients of the mixture**

Information are not available

**12.2 Persistence and degradability**

Information are not available

**12.3 Bioaccumulative potential**

Information are not available

**12.4 Mobility**

Information are not available

**12.5 Results of PBT and hPhB assessments**

The assessment of PBT and hPhB assessment has not been carried out, to the date of this sheet issue, sufficient data are not available and a chemical safety report (CSR) has not been processed.

**12.6 Other adverse effects**

It must not enter the groundwater, basin or sewer.

**Section 13 INSTRUCTIONS ON REMOVAL**

**13.1 Methods of waste management**

Waste must be treated in accordance with Act no 185/2001 Coll., on waste as amended and the related regulations.

**13.1.1 Possible risk when removing**

When removing the waste a significant risk does not arise, but empty containers may contain product residue. Not to be removed

along with household waste. Do not allow leakage into the sewer

**13.1.2 Method of removing the mixture**

neutralisation station

**13.1.3 Recommended waste classification**

**Liquid**:

20 01 30 detergents not specified under no. 20 01 29

**Packaging:**

**Washed packaging without residues of the mixture:**

By type of packaging material

**Section 14 TRANSPORT INFORMATION**

|  |  |  |
| --- | --- | --- |
| **14.1** | **UN NUMBER** | **Not subject to dangerous goods transportation regulations** |
| **14.2** | **OFFICIAL (UN) TRANSPORT NAMING** |  |
| **14.3** | **Transport hazard class/classes** |  |
| **14.4** | **Packaging group** |  |
| **14.5** | **Environmental hazards** |  |
| **14.6** | **Special precautions for users** |  |
| **14.7** | **Mass transport under Annex II to the MARPOL convention** |  |
|  | **and the IBC Regulation** |  |

**Section 15 REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/specific legislation on the substance or mixture**

Regulation no 1907/2006 of the European Parliament and of the Council (EC) of 18th December 2006 concerning the registration, evaluation, authorisation and restriction of chemicals, establishing a European chemicals agency, amending directive 1999/45/EC and repealing Council Regulation (EEC) no 793/93, of the Commission Regulation (EC) no 1488/94 as well as Council Directive 76/769/EEC and Commission directives 91/155/EEC, 93/67/EEC,

93/105/EC and 2000/21/EC

European Parliament and Council Directive 1999/45/EC on the approximation of the laws, regulations and administrative provisions of the member states relating to the classification, packaging and labelling of dangerous substances, as amended

Council Directive 76/796/EEC on the Approximation of the Laws, regulations and administrative provisions relating to restrictions on the marketing and use of certain chemical substances and preparations, as amended,

Act 350/2011 Coll. on Chemicals and Mixtures

Act No. 59/2006 Coll., on the Prevention of major accidents

and further, for example, Law No. 455/1991Coll. Trade Act, as amended, Act No. 102/2001 Coll. on general product safety, as amended,

Act No. 22/1997 Coll. on Technical Requirements for Products, as amended and its implementing provisions, Act No.

258/2000 Coll. on the Protection of Public Health and amending certain related laws, as amended, and its implementing regulations;

Act No. 20/1966 Coll., on the Health of the People as amended, Act No. 262/2006 Coll., Labour Code as amended,

Act 309/2006 Coll. as amended, laying down conditions of health protection of employees at work Decree no.432/2003 Coll. on the classification of works in the category, limit values of biological exposure test indicators. Government Decree No.101/2005 Coll. on more detailed workplace and work environment requirements

Waste Act No. 185/2001 Coll. as amended and as amended by the relevant provisions

Government Regulation No. 361/2007 Coll. laying down health conditions at work,

Act No. 201/2012 Coll. on Air Protection as amended and its implementing provisions,

Act No. 477/2001 Coll. on Packaging as amended and its implementing provisions and other related provisions,

Act No. 111/1994 Coll., on Road Transport as amended.

Act No. 133/1985 Coll. on Fire Protection as amended and Ministry of Interior Decree No 246/2001 Coll.

European agreement on the International Carriage of Dangerous Goods by Road (hereinafter referred to as the ADR agreement)

**15.1.1 Information according to decree 415/2012 Coll. as amended**

Not related

**15.1.2 Composition pursuant to regulation 648/2008 EC on detergents:**

Contains: less than 5% of non-ionic surfactants; perfumes; disinfectants

**15.1.3 Another mandatory labelling of products intended for sale to the general public**

Instructions for use

**15.1.4 Information according to Act No. 120/2002 Coll. on conditions for placing biocidal products and active substances on the market, which must be included the packaging of the biocidal product**

Contains: active substance Alkyl (C12-16) dimethyl benzyl ammonium chloride 0.025 g/100 g

**On promotional materials, or the packaging indicate a distinctive text:**

"Use biocidal products safely. Always read the particulars on the package and The Associated product information before use.“ For further information to be included on the packaging of the biocidal product, see Act No. 120/2002 Coll.

**15.2 Chemical Safety Assessment**

not yet performed

**Section 16 FURTHER INFORMATION**

**16.1 Instruction for training**

Familiarize workers with the recommended method of use, mandatory protective equipment, first aid and prohibited handling of the mixture

**16.32 Full text of the H sentences used in Section 3:**

H302 Harmful to health when ingested.

H314 Causes severe skin burns and eye damage

H315 Irritates the skin

H317 It can provoke an allergic skin reaction.

H318 Causes serious eye damage H319 Causes of severe eye irritation H400 Highly toxic to aquatic organisms.

H410 Highly toxic to aquatic organisms, with long-term effects.

H412 Harmful to aquatic organisms, with long-term effects.

**16.3 Meaning of abbreviations of EU classifications 1272/2008 referred to in Section 3**

Acute Tox. 4 Acute toxicity Category 4

Skin Corr. 1B Corrosion for skin category 1B

Skin Irrit. 2 Skin irritation category 2

Skin Sens. 1 Skin sensitisation category 1

Eye Irrit. 2 Severe eye irritation category 2

Eye Dam. 1 Serious eye damage category 1

Aqatic Acute 1 Hazardous to the aquatic environment, acute category 1

Aqatic Chronic 1,2,3 Hazardous to the aquatic environment, long-term effects, category 1,2,3

**16.4 Information on data sources used in the compilation of the SDS**

These data correspond to the current state of knowledge and experience and comply with applicable legislation. Cannot be considered a guarantee of the properties, the suitability and applicability of the product for a specific application and does not create any contractual legal relations.

**16.5 Changes from the previous issue of the safety data sheet**

Replaces all previous versions