SAFETY INSTRUCTIONS
KABINACLEAN

[Prepared in accordance with EC Regulation 1907/2006 (REACH) and EU 2015/830]

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

1.1 Product identifier

KABINACLEAN

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

Identified use: detergent; washing showers and toilets.

Recommended uses: do not use on surfaces sensitive to acids.

1.3. Details of the supplier of the safety data sheet

Manufactured upon the order of the owner TM IGOCHEM IGOSA Sp.z o.o

Address: ul. Gliwicka 3 , 40-079 Katowice, Polska

Telephone: +48 (32) 131 48 93

E-mail : info@igochem.com

1.4. Emergency telephone number

112 (general emergency telephone), 998 (fire department), 999 (medical emergency)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Skin Irrit. 2 H315, Eye Dam. 1 H318.

Irritating to the skin. Causes serious eye damage.

2.2. Label marks

Hazard pictograms and signal word

Danger

Names of hazardous ingredients on the label

Contains: methanesulfonic acid.

Hazard Statements:

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary measures:

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye 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 you have them and this is easy to do. Continue rinsing. P310 Call a POISON CENTER/doctor immediately. P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container in properly labeled waste containers in accordance with national regulations. Additional Information EUH208 Contains 3,7-dimethyloctan-3-ol. May cause an allergic reaction.

2.3. Other hazards

The ingredients of the mixture do not meet the criteria for PBT or vPvB according to Annex XIII of the REACH Regulation.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Mixtures

Number CAS: 5329-14-6 Number WE: 226-218-8 Number index: 016-026-00-0 Number registration REACH: 01-2119488633-28-XXXX	sulfamic acid Skin Irrit. 2 H315, Eye Irrit. 2 H319, Aquatic Chronic 3 H412	1-5 %
Number CAS: 75-75-2 Number WE: 200-898-6 Number index: 607-145-00-4 Number registration REACH: 01-2119491166-34-XXXX	methanesulfonic acid Met. Corr. 1 H290, Acute Tox. 4 H302, Acute Tox. 4 H312, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335	< 5 %
Number CAS: 90170-43-7 Number WE: 290-476-8 Number index: - Number registration REACH: 01-2119976233-35-XXXX	β-alanine, N-(2-carboxyethyl)-, N-coco alkyl derivatives, disodium salts Eye Irrit. 2 H319	< 2 %
Number CAS: 308062-28-4 Number ECHA: 931-292-6 Number index: - Number registration REACH: 01-2119490061-47-XXXX	amines, C12-14 (even numbered) -alkyldimethyl, N-oxides Acute Tox. 4 H302, Skin Irrit. 2 H315, Eye Dam. 1 H318, Aquatic Acute 1 H400 (M=1), Aquatic Chronic 2 H411	≤ 1 %
Number CAS: 78-69-3 Number WE: 201-133-9 Number index: - Number registration REACH: -	3,7-dimetylooktan-3-ol Skin Irrit. 2 H315, Skin Sens. 1B H317, Eye Irrit. 2 H319	≤ 0,5 %
Number CAS: 76-22-2 Number WE: 200-945-0 Number index: - Number registration REACH: -	bornan-2-on [1)] Flam. Sol. 2 H228, Acute Tox. 4 H302, Acute Tox. 4 H332, STOT SE 2 H371	≤ 0,1 %

Substance with a specified value of the highest permissible concentration in the working environment at the national level.

Ingredients in accordance with Detergent Ordinance 648/2004/EC as amended.

Amphoteric surfactants <5% non-ionic surfactants <5% fragrances

The full text of the H-statements is given in section 16 of the safety data sheet.

SECTION 4: FIRST AID MEDICINES

4.1. Description of first aid measures

Skin contact: Remove contaminated clothing and shoes.
Wash exposed skin with plenty of soap and water. Seek medical attention if you experience any worrying symptoms.
Eye contact: protect non-irritated eyes, remove contact lenses. Rinse contaminated eyes with water for at least 15 minutes with open eyelids.
Avoid strong jets of water - risk of damage to the cornea. Apply a sterile dressing. Contact an ophthalmologist immediately.

If swallowed: rinse mouth with water. Do not induce vomiting. Never give anything to an unconscious person. Consult a doctor, show the package or label.

After exposure through the respiratory tract: remove the victim to fresh air, keep warm and at rest. Seek medical attention if you experience any worrying symptoms.

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

Skin contact: redness, dryness, irritation, pruritus, inflammation, allergic reactions in susceptible persons.
Eye contact: redness, tearing, burning, blurred vision, irritation, pain, risk of serious eye damage.
If swallowed: possible abdominal pain, nausea, vomiting, throat irritation.
Inhalation: possible irritation of the respiratory system, cough.

4.3. Indication of any emergency medical attention and special treatment of the casualty

The doctor decides on the procedure to be followed after a thorough assessment of the victim's condition.

SECTION 5: PROCEDUERS IN CASE F FIRE

5.1 Extinguishing media

Suitable extinguishing media: foam, powder, CO2, water spray. Extinguishing media must be adapted to the materials collected in the environment. Unsuitable extinguishing media: compact stream of water - risk of fire spread.

5.2. Special hazards arising from the substance or mixture. Combustion may produce harmful gases including carbon oxides, nitrogen oxides, sulfur oxides and other unidentified pyrolysis products. Avoid inhalation of combustion products, they may be hazardous to health.

5.3 Information for fire brigades General protective measures typical in case of fire.

Do not stay in a fire hazardous area without suitable chemical resistant clothing and self-contained breathing apparatus. Cool endangered containers with a jet of water from a safe distance. Gather used fire extinguishers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

In the event of an accident, unauthorized access must be restricted until the cleanup procedures are completed. Make sure that the consequences of the accident are eliminated only by trained personnel. Avoid eye and skin contamination

6.2. Measures to protect the environment

The product is not dangerous for the environment.

6.3. Methods and material for containment and cleaning up in case of accidental spillage

Spillage should be collected with absorbent inert material. This material is treated as waste, closed in the described containers. Remaining material should be washed with water.

6.4. Links to other sections

Personal Protective Equipment:Section 8 of this Instruction.Waste disposal: Section 13 of this manual.

SECTION 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES

7.1. Precautions for safe handling Follow the general safety and hygiene rules

Do not eat, drink or smoke while working. Avoid contact with eyes and skin. Use personal protective equipment.

Wash your hands before breaks and at the end of work. Provide adequate ventilation. Do not inhale vapors of the product. After opening, close container and store upright to avoid leakage. Keep unused containers tightly closed. Use as directed**.**

7.2. Conditions for safe storage, including any incompatibilities

Store only in original, tightly closed, dry packaging, in cool and well ventilated areas. Keep away from food, animal feed animals and incompatible materials (see Subsection 10.5). Avoid fire sources and direct sunlight. Do not store in unlabeled containers

7.3. End use feature

Do not apply, except in cases mentioned in subsection 1.2

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Substance	NDS	NDSCh	NDSP	DSB
synthetic camphor - bornan-2-one [CAS 76-22-2]	12 mg/m^3	18 mg/m^3	—	—

Legal basis: Journal of the Law 2018, item 1286 Recommended Monitoring Procedures

The procedures for monitoring the concentrations of hazardous components in the air and the procedures for controlling the purity of the air at the workplace should be applied - if they are available and justified in the given place - in accordance with the relevant Polish or European standards, taking into account the conditions prevailing in the workplace.

The site of impact and the corresponding measurement technique adapted to the working conditions. The mode, type and frequency of tests and measurements must comply with the requirements of the Decree of the Minister of Health of February 2, 2011 (Journal of Laws 2011, No. 33, item 166, as amended).

DNEL values for sulfamic acid [CAS 5329-14-6]

Exposure route	Pattern of exposure	DNEL (employees)
leather	long lasting, voluminous	10 mg/kg m.c./ day
Exposure route	**Pattern of exposure**	**DNEL (buyers)**
esophagus	long lasting, voluminous	5 mg/kg m.c./ day

es for methanesulfonic acid [CAS 75-75-2]

Exposure route	Pattern of exposure	DNEL (employees)
inhalation	long lasting, voluminous	19,44 mg/m^3
inhalation	long-term local	2,89 mg/m^3
Exposure route	**Pattern of exposure**	**DNEL (buyers)**
leather	long lasting, voluminous	8,33 mg/kg m.c./ day
inhalation		1,44 mg/m^3
inhalation	Short term, local	1,44 mg/m^3

DNEL values for β-alanine, N-(2-carboxyethyl)-, N-cocoalkyl derivatives, disodium salts [CAS 90170-43-7]

Exposure route	Pattern of exposure	DNEL (employees)
leather	long lasting, voluminous	2,67 mg/kg m.c./ day
inhalation		980 mg/m^3

DNEL values for amines, C12-14 (even)-alkyldimethyl, N-oxides [CAS 308062-28-4]

Exposure route	Pattern of exposure	DNEL (employees)
leather	long lasting, voluminous	11 mg/kg m.c./ day
inhalation		15,5 mg/m^3

Exposure route	Pattern of exposure	DNEL (buyers)
esophagus	long lasting, voluminous	0,44 mg/kg m.c./ day
leather		5,5 mg/kg m.c./ day
inhalation		3,8 mg/m^3

PNEC values for sulfamic acid [CAS 5329-14-6]

PNEC	Value
Fresh water	0,048 mg/l
sea water	0,0048 mg/l
fresh water sediment	0,173 mg/kg dry matter
sea water sediment	0,0173 mg/kg dry matter
The soil	0,00638 mg/kg dry matter
treatment facilities	2 mg/l

PNEC value for methanesulfonic acid[CAS 75-75-2]

PNEC	Value
Fresh water	0,012 mg/l
sea water	0,0012 mg/l
fresh water sediment	0,0251 mg/kg dry matter

The soil	0,00183 mg/kg dry matter
accidental dismissal	0,12 mg/l
treatment facilities	100 mg/l

PNEC value for β-alanine N-(2-carboxyethyl)-, N-coco alkyl derivatives, disodium salts [CAS 90170-43-7]

PNEC	
Fresh water	0,1 mg/l
sea water	0,01 mg/l
treatment facilities	0,3 mg/l

PNEC value for amine, C12-14 (paired)-alkyldimethyl, N-oxides [CAS 308062-28-4]

PNEC	Value
Fresh water	0,0335 mg/l
sea water	0,00335 mg/l
fresh water sediment	5,4 mg/kg dry matter
sea water sediment	0,524 mg/kg dry matter
The soil	1,02 mg/kg dry matter
treatment facilities	24 mg/l
secondary poisoning	11 mg/l

8.2. Exposure controls

Follow the general safety and hygiene rules.

Do not eat, drink or smoke while working. Wash your hands thoroughly before breaks and after work. Avoid contact with eyes and skin. Provide general and/or local ventilation in the workplace to keep concentrations of harmful substances below established limits. Remove contaminated clothing and wash before reuse. Eye wash devices should be installed at the workplace.

Hand and body protection

Use protective gloves that are resistant to the product. Glove material should be selected individually at the workplace. In case of short-term contact, use protective gloves with performance level 2 or higher (breakthrough time > 30 minutes). For prolonged contact use protective gloves with performance level 6 (breakthrough time > 480 minutes).

Wear protective clothing. The glove material must be impermeable and resistant to the product. The choice of material should be made taking into account the breakthrough time, penetration rate and degradation. Moreover, the choice of suitable gloves depends not only on the material, but also on other quality characteristics, and varies from manufacturer to manufacturer. The exact breaking time must be obtained from the glove manufacturer and must be adhered to. It is recommended to change gloves regularly and replace them immediately if they show signs of wear, damage or change in appearance (color, elasticity, shape)

Eye protection

Use tight safety goggles. Respiratory protection Ventilation is not required. Use respiratory protection if the TLV is exceeded or in case of failure. The personal protective equipment used must comply with the requirements of the Decree of the Minister of Economy of 21 December 2005 (Journal of Laws no. 259, item 2173) and Regulation (EU) 2016/425.

The employer is obliged to provide protection measures appropriate to the activities performed and meet all quality requirements, including their maintenance and cleaning. Environmental impact control. Avoid discharges into the environment, do not drain into sewers. Possible emissions from ventilation systems and process equipment must be checked to determine whether they comply with the requirements of the environmental law.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

SAFETY INSTRUCTIONS
KABINACLEAN

9.1.

physical state/form:	liquid
color:	colorless to pink
smell:	characteristic
floral type of smell:	not determined
pH amount:	0,1-0,5
melting/freezing point	not determined
initial boiling point:	not determined
ignition temperature:	not determined
evaporation rate:	not determined
flammability (solid, gas)	not applicable
upper/lower explosive limit	not applicable
gas pressure:	not determined
vapor density:	not determined
density:	1,05 g/cm^3
solubility:	dissolves in water
separation factor: n-octanol / water:	not determined
auto-ignition temperature:	not applicable, the product is not self-igniting
decomposition temperature:	not determined
explosive properties:	does not show
oxidizing properties:	does not show
viscosity :	not determined

9.2. Other information

No additional test results.

Section 10: Stability and reactivity

10.1. Reactivity reactive product

Does not undergo dangerous polymerization. See also subsection 10.3-10.5.

10.2. Chemical stability

The product is stable when used and stored properly.

10.3. Possibility of hazardous reactions

Possible exothermic reactions with bases.

10.4. The conditions to avoid

Avoid direct sunlight and heat sources.

10.5. Incompatible materials

Strong oxidizing agents, bases.

10.6. Hazardous decomposition products

If the recommended storage and working conditions are observed, there are no hazardous decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Information on acute and/or delayed effects of exposure has been obtained from product classification information and/or toxicological testing, and the knowledge and experience of the manufacturer.

Component toxicity sulfamic acid [CAS 5329-14-6] LD50 (oral, rat) 3160 mg/kg methanesulfonic acid [CAS 75-75-2]

LD50 (oral, rat) 649 mg/kg

LD50 (skin, rabbit) > 1000-2000 mg/kg amines, C12-14 (even)-alkyldimethyl, N-oxides [CAS 308062-28-4]

LD50 (oral, rat) 1064 mg/kg

LD50 (skin, rat) > 2000 mg/kg Mixture toxicity Acute toxicity ATEmix (oral) *> 2000 mg/kg

ATEmix (skin) *> 2000 mg/kg

ATEmix (inhalation) *> 20 mg/l

ATEmix (inhalation) *> 5 mg/l * Acute toxicity of the mixture. and ny (ATEmix) was calculated based on the appropriate conversion factor from

Table 3.1.2. Annex I to the CLP Regulations, as amended. Based on available data, the classification criteria are not met.

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye damage.

Respiratory or skin sensitization:

Based on available data, the classification criteria are not met. However, the product contains an ingredient that may cause an allergic skin reaction in sensitive individuals. Mutagenic effect on reproductive cells: Based on available data, the classification criteria are not met.

Carcinogenic effect: Based on available data, the classification criteria are not met.

Harmfully affects reproduction: Based on available data, the classification criteria are not met.

Toxic effect on target organs - single exposure: Based on available data, the classification criteria are not met. Target organ toxicity - repeated exposure

Based on available data, the classification criteria are not met. Inhalation hazard Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGCAL INFORMATIO

12.1. Toxicity Component toxicity sulfamic acid [CAS 5329-14-6]

Acute fish toxicity LC50 70.3 mg/l/96 h / Pimephales promelas Acute bacterial toxicity UE10 >1000mg/l/16h/methanesulfonic acid Pseudomonas putida [CAS 75-75-2] Acute fish toxicity LC50 10-100 mg/l/96 h / Oncorhynchus mykiss Acute toxicity to crustaceans EC50 10-100 mg/l/48 h/amines Daphnia magna, C12-14 (even numbers) -alkyldimethyl, N-oxides [CAS 308062 - 28-4] Acute fish toxicity LC50 2.67 mg/l/96 h (APHA standard) Chronic fish toxicity NOEC 0.42 mg/l/302 days (EPA OPPTS 850.1500) Acute toxicity to crustaceans EC50 3.1 mg/l/48 h / Daphnia sp. (OECD 203) Chronic toxicity to crustaceans NOEC 0.7 mg/l / 21 days / Daphnia sp. (OECD 211) Acute algae toxicity EC50 0.146 mg/L/72 h (OECD 201) Chronic toxicity to algae NOEC 0.067 mg/l/28 days (OECD 201) The product is not classified as dangerous for the environment.

12.2. Persistence and degradability

The surfactants contained in the product are biodegradable in accordance with the criteria of the Detergent Ordinance 648/2004/EC, as amended and modified. Data for methanesulfonic acid components [CAS 75-75-2] Biodegradation: >70% (OECD 301A) amines, C12-14 (even)-alkyldimethyl, N-oxides [CAS 308062-28-4] Biodegradation: > 60% within 28 days. (OECD 301B) Biodegradation: 73% within 57 days. (OECD 314C) 12.3. Ability to bioaccumulate Bioaccumulation is not expected. Data for components amines, C12-14 (even)-alkyldimethyl, N-oxides [CAS 308062-28-4] log Po / w: 2.7 12.4.

12.4. Mobile in the soil.

It dissolves in water and spreads in the aquatic environment. The mobility of the mixture components depends on their hydrophilic and hydrophobic properties, as well as on the abiotic and biotic conditions of the soil, including its structure, climatic conditions, season and soil organisms.

12.5. PBT and vPvB assessment results

Substances in the mixture are not assessed as PBT and vPvB.

12.6. Other harmful effects

The mixture is not classified as hazardous to the ozone layer. The possibility of other harmful effects of the individual components of the mixture on the environment should be taken into account (for example, the ability to disrupt the endocrine system, global warming potential)

Section 13: Disposal considerations

13.1. Waste neutralization methods

Waste disposal methods

Mixture recommendation: Dispose of in accordance with current regulations. Store leftovers in original containers. Do not mix with other waste. Enter the waste code for the place of their disposal. Used packaging disposal methods: Recovery / recycling / disposal of packaging waste must be carried out in accordance with applicable regulations. Only completely emptied packages can be recycled. EU legal acts: Directives of the European Parliament and of the Council: 2008/98/EC, 94/62/EC. National legal acts: Legislative Gazette no. Product of 2013 21 as amended e., Journal of Laws 2013, para. 888 and later

SECTION 14: TRANSPORT INFORMATION

14.1. UN number (UN number)

not applicable

The product is not classified as hazardous for transport.

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 defined.

14.7. Carriage in bulk in accordance with MARPOL Annex II and the IBC Code

not implemented

Section 15: Regulatory Information

15.1. Legislation on specific safety, health and environmental protection measures for a given substance or mixture

Law of 25 February 2011 on Chemical Substances and Their Mixtures (Journal of Laws no. 63, item 322, as amended).

Ordinance of the Minister of Labor and Social Policy of June 6, 2014 on the maximum permissible concentrations and intensity of factors harmful to health in the working environment (Journal of Laws 2014, paragraph 817, as amended) ADR European Agreement Concerning the International Road Transport of Dangerous Goods.

Waste Act of 14 December 2012 (Journal of Laws 2013, item 21, as amended)) Decree of the Minister of the Environment of 9 December 2014 on the waste catalog (Journal of Laws 2014, item 1923). Decree of the Minister of Economy of December 21, 2005 "On the basic requirements for personal protective equipment" (Journal of Laws No. 259, item 2173). Decree of the Minister of Health of February 2, 2011 on the testing and measurement of factors harmful to health in the working environment (Journal of Laws no. 33, item 166).

2016/425/UE Regulation of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

1907/2006 /WE On the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and No 1488/94, as well as Council Directives 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended.

1272/2008/WE EC Regulation of the European Parliament and of the Council of 16 December 2008 on the 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 with subsequent changes.

2015/830/UE EU Commission Regulation of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Regulation, Evaluation, Authorization and Restriction of Chemicals (REACH). 2008/98 /WE Directive of the European Parliament and of the Council of 19 November 2008 on waste and the repeal of certain directives.

94/62/EC Directive of the European Parliament and of the Council of 20 December 1994 on packaging and packaging waste.

648/2004/WE Regulation of the European Parliament and of the Council of 31 March 2004 on detergents, as amended.

15.2. Chemical Safety Assessment A chemical safety

Assessment of the mixture is not required.

Section 16: Other information

Full text of H-statements from section 3 of the instruction

H225 Flammable liquid and vapour.

H226 Highly flammable liquid and vapour.

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Irritating to eyes.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

Clarification of abbreviations and abbreviations.

Corr. 1A Substance or mixture corrosive to metals, Cat. 1A

Eyedam. 1 Serious eye injury category 1 Eye

Irrit. 2 Eye irritation, category 2 Flam.

Liq. 2, 3 Flammable liquid category 2.3

Skin Corr.1A,1B Corrosive cat. 1A, 1B Skin Irrit.

2 Skin irritation, category 2

Acute toxicity. 4 Acute toxicity, category 4

STOT SE 3 Specific target organ toxicity - single exposure, category 3

NDS Highest Admissible Concentration

SAFETY INSTRUCTIONS
KABINACLEAN

NDCH Maximum allowable instantaneous concentration

NDSP Maximum Permissible Ceiling Concentration

DSB Allowable concentration in biological material

PBT Persistent, bioaccumulative and toxic

vPvB Very persistent and bioaccumulative

DNEL Received no effect level

PNEC Predicted no effect concentration

LD50 The dose at which 50% of the organisms tested are killed.

LD50 The dose at which 50% of the organisms tested are killed.

Training Before starting work with the product, the user should learn the Health and Safety regulations regarding handling chemicals, and in particular, undergo a proper workplace training.
References to key literature and data sources.
The data sheet has been developed on the basis of the safety data sheets of the components provided by the manufacturer, literature data, internet databases as well as the possessed knowledge and experience, taking into account the current legal regulations.
Classification and procedures used to classify the mixture in accordance with Regulation (EC) 1272/2008 [CLP] as amended d.
Skin Irrit. 2 H315 calculation method
Eye Dam. 1 H318 additional information calculation method Cards and knowledge.

The above information was created based on currently available data characterizing the product as well as experience and knowledge possessed by the manufacturer in this respect. They do not constitute a quality description of the product or promise specific properties.
They should be treated as an aid for safe handling during transport and storage and using the product. This does not release the user from liability for the incorrect use of the above information and from compliance with all legal standards in this area.