

SAFETY DATA SHEET

BESTCLEAN
BIO-TECH SOLUTIONS

according to Commission Regulation (EU) 2020/878 as amended

Dry foam

Creation date	07th July 2022	Version	2.1
Revision date	06th February 2023		


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

- 1.1. Product identifier**
Dry foam
Substance / mixture mixture
UFI 6Y30-308K-Y009-84UE
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
Concentrated agent for manual and machine cleaning of carpets and upholstery. Neutralizes odors and revives colors.
Main intended use
PC-CLN-14.OTH Other carpet and upholstery products
The use descriptors
IS Use at industrial sites
PW Widespread use by professional workers
C Consumer use
Mixture uses advised against
Use according to the instructions for use and not in other ways.
- 1.3. Details of the supplier of the safety data sheet**
Manufacturer
Name or trade name BestClean spol. s r.o.
Address Linecká 260, Kaplice 1, 38241
Czech Republic
VAT Reg No CZ05385270
Phone +420 380 331 086
E-mail info@bestclean.cz
Competent person responsible for the safety data sheet
Name BestClean spol. s r.o.
E-mail info@bestclean.cz
- 1.4. Emergency telephone number**
European emergency number: 112

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the mixture in accordance with Regulation (EC) No 1272/2008
The mixture is classified as dangerous.

Skin Sens. 1, H317
Eye Dam. 1, H318

Full text of all classifications and hazard statements is given in the section 16.
Most serious adverse effects on human health and the environment
May cause an allergic skin reaction. Causes serious eye damage.
- 2.2. Label elements**
Hazard pictogram

Signal word
Danger

Hazardous substances
2-methyl-2H-isothiazol-3-one
Alcohols, C12-14, ethoxylated, sulfates, sodium salts

SAFETY DATA SHEET

BESTCLEAN
BIO-TECH SOLUTIONS

according to Commission Regulation (EU) 2020/878 as amended

Dry foam

Creation date 07th July 2022
Revision date 06th February 2023 Version 2.1

Hazard statements

H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 Wear protective gloves/eye protection.
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 doctor.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/container to be handed over to the person authorized to dispose of waste or by returning to the supplier.

Supplemental information

>=30 % Water, <5 % anionic surfactants, <5 % non-ionic surfactants, <5 % Acrylates (copolymers, sodium salts, perfume)

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of substances and additives specified below.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 2682-20-4 EC: 220-239-6	2-methyl-2H-isothiazol-3-one	4-6	Skin Sens. 1, H317	
CAS: 68891-38-3 EC: 500-234-8 Registration number: 01-2119487984-16	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	3-4	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412	1, 2
CAS: 2682-20-4 EC: 220-239-6	2-methyl-2H-isothiazol-3-one	1-3	Skin Sens. 1, H317	
CAS: 137-16-6 EC: 205-281-5 Registration number: 01-2119527780-39	Sodium N-lauroylsarcosinate	1-2	Skin Irrit. 2, H315 Eye Dam. 1, H318 Acute Tox. 4, H332	

Notes

- 1 The substance is included in Annex XIV of the REACH Regulation
- 2 Substance of unknown or variable composition, complex reaction products or biological materials - UVCB.

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

SAFETY DATA SHEET

BESTCLEAN
BIO-TECH SOLUTIONS

according to Commission Regulation (EU) 2020/878 as amended

Dry foam

Creation date	07th July 2022	Version	2.1
Revision date	06th February 2023		

If inhaled

Terminate the exposure immediately; move the affected person to fresh air.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. No neutralization should be performed in any case! Rinsing should be continued for 10-30 minutes from the inner to the outer eye corner to make sure that the other eye is not involved. Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible. Everyone must be referred for treatment even if affected only a little.

If swallowed

Rinse out the mouth with clean water. In the event of issues, find medical help.

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

If inhaled

Inhaling vapours can cause corrosion of the breathing system.

If on skin

May cause an allergic skin reaction.

If in eyes

Causes serious eye damage.

If swallowed

Corrosion of the digestion system can occur.

4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Prevent contact with skin and eyes.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SAFETY DATA SHEET

BESTCLEAN
BIO-TECH SOLUTIONS

according to Commission Regulation (EU) 2020/878 as amended

Dry foam

Creation date 07th July 2022
Revision date 06th February 2023 Version 2.1

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent contact with skin and eyes. Contaminated work clothing should not be allowed out of the workplace. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

Content	Packaging type	Material of package
1 l	bottle	HDPE
5 l	jerry can	HDPE
10 l	jerry can	HDPE

Storage temperature 20 °C

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains no substances for which occupational exposure limits are set.

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Protective goggles or face shield (based on the nature of the work performed).

Skin protection

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. Contaminated skin should be washed thoroughly.

Respiratory protection

Mask with a filter in a poorly ventilated environment.

Thermal hazard

Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	white
Odour	according to fragrance
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	>90 °C
Flammability	data not available
Lower and upper explosion limit	data not available
Flash point	>90 °C
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	7,5-8,5 (undiluted)
Kinematic viscosity	data not available
Solubility in water	data not available
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	1,03 g/cm ³ at 20 °C

SAFETY DATA SHEET

BESTCLEAN
BIO-TECH SOLUTIONS

according to Commission Regulation (EU) 2020/878 as amended

Dry foam

Creation date 07th July 2022
Revision date 06th February 2023 Version 2.1

Relative vapour density data not available
Particle characteristics data not available

9.2. Other information

not available

SECTION 10: Stability and reactivity

10.1. Reactivity

not available

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

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

No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

2-methyl-2H-isothiazol-3-one

Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	>2000 mg/kg		Rat	
Oral	LD ₅₀	>2000 mg/kg		Rat	

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	>2000 mg/kg		Rat	
Dermal	LD ₅₀	>2000 mg/kg		Rat	

Sodium N-lauroylsarcosinate

Route of exposure	Parameter	Value	Exposure time	Species	Sex
Inhalation (dust/mist)	LC ₅₀	0.5 mg/l	4 hours	Rat	
Oral	LD ₅₀	>5000 mg/kg		Rat	

Irritation

2-methyl-2H-isothiazol-3-one

Route of exposure	Result	Exposure time	Species
Dermal	Not irritating		Rabbit
Eye	Not irritating		Rabbit
Dermal	Not irritating		Rabbit
Eye	Not irritating		Rabbit

Sodium N-lauroylsarcosinate

Route of exposure	Result	Exposure time	Species
Skin	Irritating		Rabbit

SAFETY DATA SHEET

BESTCLEAN
BIO-TECH SOLUTIONS

according to Commission Regulation (EU) 2020/878 as amended

Dry foam

Creation date 07th July 2022
Revision date 06th February 2023 Version 2.1

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Mutagenicity

Sodium N-lauroylsarcosinate

Result	Method	Exposure time	Specific target organ	Species	Sex
Negative	OECD 471			Bacteria (Salmonella typhimurium)	
Negative	OECD 476				
Negative	OECD 473			Human	

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

11.2. Information on other hazards

not available

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

2-methyl-2H-isothiazol-3-one

Parameter	Method	Value	Exposure time	Species	Environment
LC ₅₀		> 500 mg/l	48 hours	Fish (Leuciscus idus)	
LC ₅₀		> 500 mg/l	48 hours	Fish (Leuciscus idus)	

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Parameter	Method	Value	Exposure time	Species	Environment
LC ₅₀	OECD 203	1-10 mg/l		Fish (Branchydanio rerio)	
EC ₅₀	OECD 202	1-10 mg/l	48 hours	Daphnia (Daphnia magna)	
EC ₅₀	OECD 201	10-100 mg/l	72 hours	Algae (Desmodesmus subspicatus)	
EC ₁₀		10.000 mg/l	16 hours	Bacteria (Pseudomonas putida)	

SAFETY DATA SHEET

BESTCLEAN
BIO-TECH SOLUTIONS

according to Commission Regulation (EU) 2020/878 as amended

Dry foam

Creation date 07th July 2022
Revision date 06th February 2023 Version 2.1

Sodium N-lauroylsarcosinate

Parameter	Method	Value	Exposure time	Species	Environment
EC ₅₀		79 mg/l	72 hours	Algae (Desmodesmus subspicatus)	
EC ₅₀		8.9 mg/l	48 hours	Daphnia (Daphnia magna)	
LC ₅₀		32.1 mg/l	96 hours	Fish (Oncorhynchus mykiss)	
NOAEC		30 mg/l	3 hours	Microorganisms (Photobacterium phosphoreum)	

Chronic toxicity

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Parameter	Value	Exposure time	Species	Environment
NOAEC	0.1 mg/l	28 days	Fish (Oncorhynchus mykiss)	

12.2. Persistence and degradability

Biodegradability

2-methyl-2H-isothiazol-3-one

Parameter	Method	Value	Exposure time	Environment	Result
	OECD 201	70 %	28 days		
	OECD 201	70 %	28 days		Biodegradable

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301A	>70 %	28 days		Biodegradable
	OECD 301B	>60 %	28 days		Biodegradable

Sodium N-lauroylsarcosinate

Parameter	Method	Value	Exposure time	Environment	Result
		82 %	28 days		

not available

12.3. Bioaccumulative potential

Not available.

12.4. Mobility in soil

Not available.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

Not available.

SECTION 13: Disposal considerations

SAFETY DATA SHEET

BESTCLEAN
BIO-TECH SOLUTIONS

according to Commission Regulation (EU) 2020/878 as amended

Dry foam

Creation date	07th July 2022	Version	2.1
Revision date	06th February 2023		

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

07 06 00 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
07 06 01 aqueous washing liquids and mother liquors *

Packaging waste type code

15 01 10 packaging containing residues of or contaminated by hazardous substances *
15 01 02 plastic packaging

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

SECTION 14: Transport information

14.1. UN number or ID number

not subject to transport regulations

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and 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, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as amended.

15.2. Chemical safety assessment

not available

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H412	Harmful to aquatic life with long lasting effects.

SAFETY DATA SHEET

BESTCLEAN
BIO-TECH SOLUTIONS

according to Commission Regulation (EU) 2020/878 as amended

Dry foam

Creation date	07th July 2022	Version	2.1
Revision date	06th February 2023		

Guidelines for safe handling used in the safety data sheet

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 Wear protective gloves/eye protection.
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 doctor.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/container to be handed over to the person authorized to dispose of waste or by returning to the supplier.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR European agreement concerning the international carriage of dangerous goods by road
BCF Bioconcentration Factor
CAS Chemical Abstracts Service
CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC Identification code for each substance listed in EINECS
EC₁₀ Concentration of a substance when it is affected 10% of the population
EC₅₀ Concentration of a substance when it is affected 50% of the population
EINECS European Inventory of Existing Commercial Chemical Substances
EmS Emergency plan
EU European Union
EuPCS European Product Categorisation System
IATA International Air Transport Association
IBC International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO International Civil Aviation Organization
IMDG International Maritime Dangerous Goods
IMO International Maritime Organization
INCI International Nomenclature of Cosmetic Ingredients
ISO International Organization for Standardization
IUPAC International Union of Pure and Applied Chemistry
LC₅₀ Lethal concentration of a substance in which it can be expected death of 50% of the population
LD₅₀ Lethal dose of a substance in which it can be expected death of 50% of the population
log K_{ow} Octanol-water partition coefficient
NOAEC No observed adverse effect concentration
OEL Occupational Exposure Limits
PBT Persistent, Bioaccumulative and Toxic
ppm Parts per million
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals
RID Agreement on the transport of dangerous goods by rail
UN Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB Substances of unknown or variable composition, complex reaction products or biological materials
VOC Volatile organic compounds
vPvB Very Persistent and very Bioaccumulative
Acute Tox. Acute toxicity
Aquatic Chronic Hazardous to the aquatic environment (chronic)

SAFETY DATA SHEET

BESTCLEAN
BIO-TECH SOLUTIONS

according to Commission Regulation (EU) 2020/878 as amended

Dry foam

Creation date	07th July 2022	Version	2.1
Revision date	06th February 2023		

Eye Dam.	Serious eye damage
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitization

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

The version 2.1 replaces the SDS version from 07 July 2022. Changes were made in sections 1, 2 and 16.

More information

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.