

BUF MULTI FOAM 200ML

WM 0900457

Order number: 0900457

Version 3.0

Revision Date 22.05.2017

Print Date 17.07.2017

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

1.1 Product identifier

Trade name : BUF MULTI FOAM 200ML
Identification number : 60822

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

Use of the Substance/Mixture : Cleaning agent

1.3 Details of the supplier of the safety data sheet

Company : Bergal, Nico & Solitaire Vertr. GmbH
Rheinallee 96
55120 Mainz
Telephone : +49613196404
Telefax : +4961319642515
E-mail address : Produktsicherheit@werner-mertz.com
Responsible/issuing person
Contact person : Product development / product safety

1.4 Emergency telephone number

+49(0)6131-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable aerosols, Category 1 H222: Extremely flammable aerosol.
H229: Pressurised container: May burst if heated.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.

Precautionary statements : P102 Keep out of reach of children.
Prevention:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.

BUF MULTI FOAM 200ML

WM 0900457

Order number: 0900457

Version 3.0

Revision Date 22.05.2017

Print Date 17.07.2017

P251
Storage:
P410 + P412
Disposal:
P501

Do not pierce or burn, even after use.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Dispose of contents/ container to an approved waste disposal plant.

2.3 Other hazards

This substance/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.
Warning! Container under pressure.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Aqueous solution
contains
Propellant

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
ethanol	64-17-5 200-578-6 01-2119457610-43	Flam. Liq. 2; H225 Eye Irrit. 2; H319 SCL >= 50 % 2; H319	>= 2 - < 5

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.

If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.
If symptoms persist, call a physician.

In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
If symptoms persist, call a physician.

In case of eye contact : Protect unharmed eye.
If easy to do, remove contact lens, if worn.

BUF MULTI FOAM 200ML

WM 0900457

Order number: 0900457

Version 3.0

Revision Date 22.05.2017

Print Date 17.07.2017

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If eye irritation persists, consult a specialist.

If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

Risks : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : For specialist advice physicians should contact the Poisons Information Service.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Ensure adequate ventilation.
Remove all sources of ignition.
Evacuate personnel to safe areas.

BUF MULTI FOAM 200ML

WM 0900457

Order number: 0900457

Version 3.0

Revision Date 22.05.2017

Print Date 17.07.2017

Beware of vapours accumulating to form explosive concentrations.
Vapours can accumulate in low areas.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Use mechanical handling equipment.

6.4 Reference to other sections

For personal protection see section 8., Treat recovered material as described in the section "Disposal considerations"., Refer to section 15 for specific national regulation.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Container may be opened only under exhaust ventilation hood. Open drum carefully as content may be under pressure.

Advice on protection against fire and explosion : Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Do not spray on a naked flame or any incandescent material. Take measures to prevent the build up of electrostatic charge.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. Store in original container. Store in cool place. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards. Store at room temperature in the original container.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : Cleaning agent

BUF MULTI FOAM 200ML

WM 0900457

Order number: 0900457

Version 3.0

Revision Date 22.05.2017

Print Date 17.07.2017

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

DNEL

ethanol
64-17-5:

- : End Use: Workers
Exposure routes: Inhalation
Potential health effects: Acute local effects
Value: 1900 mg/m³

- End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 950 mg/m³

- End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects

- End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Acute local effects
Value: 950 mg/m³

- End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects

- End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 114 mg/m³

- End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long-term systemic effects

- End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Acute local effects
Value: 950 mg/m³

PNEC

ethanol
64-17-5:

- : Fresh water
Value: 0,96 mg/l

- Marine water
Value: 0,79 mg/l

- Fresh water sediment

BUF MULTI FOAM 200ML

WM 0900457

Order number: 0900457

Version 3.0

Revision Date 22.05.2017

Print Date 17.07.2017

Value: 3,6 mg/kg

Soil
Value: 0,63 mg/kg

STP
Value: 580 mg/l

intermittent release
Value: 2,75 mg/l

8.2 Exposure controls

Personal protective equipment

Eye protection : not required under normal use

not required under normal use

Hand protection

Material : For prolonged or repeated contact use protective gloves.
Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374-1: 2003 (0,4 mm).

not required under normal use

Remarks : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Skin and body protection : not required under normal use

Respiratory protection : Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment.
Recommended Filter type:
ABEK-P3-filter

Environmental exposure controls

General advice : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : Foam

Colour : colourless

BUF MULTI FOAM 200ML

WM 0900457

Order number: 0900457

Version 3.0

Revision Date 22.05.2017

Print Date 17.07.2017

Odour	: characteristic
Odour Threshold	: No data available
pH	: No data available
Melting point/range	: No data available
Boiling point/boiling range	: < 35 °C
Flash point	: -60 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: Extremely flammable aerosol.
Burning rate	: No data available
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: ca. 0,918 g/cm ³
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions., No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

BUF MULTI FOAM 200ML

WM 0900457

Order number: 0900457

Version 3.0

Revision Date 22.05.2017

Print Date 17.07.2017

Hazardous reactions : Stable under recommended storage conditions., No decomposition if used as directed.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

Hazardous decomposition products : No hazardous decomposition products are known.

Other information : No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product

Skin corrosion/irritation : According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Serious eye damage/eye irritation : According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Respiratory or skin sensitisation : No data available

Further information : Solvents may degrease the skin.

Components:

ethanol

64-17-5:

Acute oral toxicity : LD50 Oral Rat: 10.470 mg/kg
Method: OECD Test Guideline 401

LD50 Rat: 5.000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 Rat: 51 mg/l
Exposure time: 4 h

Acute dermal toxicity : LD50 Dermal Rabbit: > 2.000 mg/kg
Method: OECD Test Guideline 402

LD50 Dermal Rabbit: > 10.000 mg/kg
Method: OECD Test Guideline 402

Skin corrosion/irritation : Species: Rabbit

BUF MULTI FOAM 200ML

WM 0900457

Order number: 0900457

Version 3.0

Revision Date 22.05.2017

Print Date 17.07.2017

	Result: No skin irritation Method: OECD Test Guideline 404
Serious eye damage/eye irritation	: Species: Rabbit Result: Mild eye irritation Method: OECD Test Guideline 405
Respiratory or skin sensitisation	: Species: Mouse Result: Does not cause skin sensitisation. Method: see user defined free text
Reproductive toxicity	: Species: Rat Application Route: Oral NOAEL: 5.200 mg/kg Species: Rat Application Route: Oral NOAEL: 13.800 mg/kg Species: Rat Application Route: Inhalation NOAEL: 30400 mg/m3
Repeated dose toxicity	: Rat, male: NOAEL: > 20 mg/kg Method: see user defined free text Rat, female: NOAEL: 1.730 mg/kg Method: see user defined free text

SECTION 12: Ecological information

12.1 Toxicity

Components:

ethanol

64-17-5:

Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow trout)): 13 g/l Exposure time: 96 h Method: OECD Test Guideline 203 LC50 (Leuciscus idus (Golden orfe)): 8.150 mg/l Exposure time: 48 h LC50 (Pimephales promelas (fathead minnow)): > 0,1 g/l Exposure time: 96 h LC50 (Fish): 11.200 mg/l
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 12.340 mg/l Exposure time: 48 h EC50 : 5.012 mg/l

BUF MULTI FOAM 200ML

WM 0900457

Order number: 0900457

Version 3.0

Revision Date 22.05.2017

Print Date 17.07.2017

Toxicity to algae	: EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l Exposure time: 72 h Test Type: Growth inhibition Method: OECD Test Guideline 201
	EC50 (Scenedesmus capricornutum (fresh water algae)): 12.900 mg/l Exposure time: 48 h Test Type: Growth inhibition Method: No information available.
	EC0 (Scenedesmus quadricauda (Green algae)): 5.000 mg/l Exposure time: 168 h
	EC50 : 4.432 mg/l
	EC10 : 11,5 mg/l
	EC10 : 280 mg/l
Toxicity to bacteria	: EC50 (Pseudomonas putida): 11.800 mg/l Exposure time: 16 h Test Type: Cell multiplication inhibition test

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Components:

ethanol

64-17-5:

Biodegradability : Result: Readily biodegradable
Biodegradation: 97 %
Method: OECD Test Guideline 301

12.3 Bioaccumulative potential

Components:

ethanol

64-17-5:

Bioaccumulation : Concentration: 3,2 mg/l

Partition coefficient: n-octanol/water : log Pow: -0,32

12.4 Mobility in soil

Components:

ethanol

64-17-5:

Distribution among : Koc: 1Remarks: Highly mobile in soils

BUF MULTI FOAM 200ML

WM 0900457

Order number: 0900457

Version 3.0

Revision Date 22.05.2017

Print Date 17.07.2017

environmental compartments

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/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..

12.6 Other adverse effects

Product:

Additional ecological information : There is no data available for this product.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Empty remaining contents.
Empty pressure vessels should be returned to the supplier.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

Waste Code : European Waste Catalogue
16 05 04*
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

SECTION 14: Transport information

14.1 UN number

ADR : 1950
IMDG : 1950
IATA : 1950

14.2 Proper shipping name

ADR : AEROSOLS
IMDG : AEROSOLS
IATA : Aerosols, flammable

14.3 Transport hazard class

ADR : 2
IMDG : 2.1
IATA : 2.1

14.4 Packing group

BUF MULTI FOAM 200ML

WM 0900457

Order number: 0900457

Version 3.0

Revision Date 22.05.2017

Print Date 17.07.2017

ADR

Classification Code : 5F
Labels : 2.1
Tunnel restriction code : (D)

IMDG

Labels : 2.1
EmS Number : F-D, S-U

IATA

Packing instruction (cargo aircraft) : 203
Packing instruction (LQ) : Y203
Labels : 2.1

14.5 Environmental hazards

ADR

Environmentally hazardous : no

IMDG

Marine pollutant : no

IATA

Environmentally hazardous : no

14.6 Special precautions for user

For personal protection see section 8.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

		Quantity 1	Quantity 2
8	Extremely flammable	10 000067	50 000067

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

P3a	FLAMMABLE AEROSOLS	150 000067	500 000067
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34	Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams),(d) heavy fuel oils	2.500 000067	25.000 000067
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TA Luft List (Germany) : Total dust: Not applicable
: Inorganic substances in powdered form: Not applicable
: Inorganic substances in vapour or gaseous form: Not applicable
: Organic Substances: Not applicable
: Carcinogenic substances: : portionClass 3: 7,89 %
: Mutagenic: : 7,89 %
: Toxic to reproduction: Not applicable

Volatile organic compounds : Percent volatile: 14,26 %

BUF MULTI FOAM 200ML

WM 0900457

Order number: 0900457

Version 3.0

Revision Date 22.05.2017

Print Date 17.07.2017

(VOC) content	607,1 g/l VOC content excluding water
Volatile organic compounds (VOC) content	: Percent volatile: 14,26 % 130,93 g/l VOC content valid only for coating materials used on wood surfaces
according to Detergents Regulation EC 648/2004	: 5 - <15% Aliphatic hydrocarbons, <5% Non-ionic surfactants
Diğer kurallar	: 26 Aralık 2008 tarihli,27092 mükerrer sayılı," T.C. Çevre ve Orman Bakanlığı Tehlikeli Maddeler ve Müstahzarlara İlişkin Güvenlik Bilgi Formlarının Hazırlanması ve Dağıtılması Hakkında Yönetmeliği " ne uygun düzenlenmiştir. 26 Aralık 2008 27092 (mükerrer) sayılı Tehlikeli Maddelerin ve Müstahzarların Sınıflandırılması Ambalajlanması ve Etiketlenmesi Hakkında Yönetmelik hükümlerine göre hazırlanmıştır.

15.2 Chemical safety assessment

There is no data available for this product.

SECTION 16: Other information

Full text of H-Statements

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.

Further information

Classification procedure: H222, H229 On basis of test data.

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECl - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of

BUF MULTI FOAM 200ML

WM 0900457

Order number: 0900457

Version 3.0

Revision Date 22.05.2017

Print Date 17.07.2017

the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

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.

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