

SAFETY DATA SHEET

[In accordance with the criteria of Regulation No 1907/2006 (REACH) as amended]

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

1.1 Product identifier

Trade name: **PLASTIC CLEANER *Cleaning Foam* - 632200040** **UFI : 1R10-2052-P00Y-2C0T**

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

Relevant identified uses: cleaning foam. Product for professional use.

Uses advised against: not determined.

1.3 Details of the supplier of the safety data sheet

A.M.P.E.R.E. SYSTEM

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3 rue Antoine Balard - Z.I. du Vert Galant

fds@amperesystem.com

95310 Saint-Ouen-l'Aumône - FRANCE

1.4 Emergency telephone number

UK : National Poisons Information Service - 0344 892 0111

Ireland : National Poisons Information Centre - Beaumont Hospital - PO Box 1297 Beaumont Road 9 Dublin : +353 1 809 2566 (Healthcare professionals-24/7) - +353 1 809 2166 (public, 8am - 10pm, 7/7)

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Aerosol 1 H222-H229

Extremely flammable aerosol. Pressurised container: May burst if heated.

2.2 Label elements

Hazard pictograms and signal words



DANGER

Names of hazardous components placed on the label

None.

Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

Precautionary statements

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.

P251 Do not pierce or burn, even after use.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container to an authorized waste collector.

Additional information

EUH208 Contains: citral. May produce an allergic reaction.

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2.3 Other hazards

The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 (3) or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight. The components of this mixture do not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

Section 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

CAS number: 106-97-8 EC number: 203-448-7 Index number: 601-004-00-0 REACH number: substance is exempted from the registration obligation pursuant to Art. 2 REACH	<u>butane</u> Flam. Gas 1 H220, Press. Gas H280	< 30 %
CAS number: 74-98-6 EC number: 200-827-9 Index number: 601-003-00-5 REACH number: substance is exempted from the registration obligation pursuant to Art. 2 REACH	<u>propane</u> Flam. Gas 1 H220, Press. Gas H280	< 20 %
CAS number: 5392-40-5 EC number: 226-394-6 Index number: 605-019-00-3 REACH number: 01-2119462829-23-XXXX	<u>citral</u> Skin Irrit. 2 H315, Skin Sens. 1 H317, Eye Irrit. 2 H319	< 0,2 %

Full text of each relevant H phrase is given in section 16 of SDS.

Section 4: First aid measures

4.1 Description of first aid measures

Skin contact: take off contaminated clothes and shoes. Wash contaminated skin with a large amount of water and soap, then rinse with plenty of water for at least 10 minutes. Seek medical advice if disturbing symptoms appear.

Eye contact: consult an ophthalmologist if irritation occurs. Protect non-irritated eye, remove contact lenses. Flush contaminated eyes with water for at least 15 minutes with the eyelids held open. Avoid strong stream of water – risk of damage of the cornea.

Ingestion: exposure by this route does not typically occur. If swallowed, rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Contact a doctor, show container or label.

Inhalation: remove the victim to fresh air, keep warm and calm. If necessary, perform artificial respiration or administer oxygen. Consult a doctor, if disturbing symptoms appear.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: may cause dryness or cracking of the skin, allergic reactions in sensitive people.

Eye contact: may cause redness, burning sensation, tearing.

Ingestion: may cause abdominal pain, nausea, vomiting.

Inhalation: there are no known negative effects of exposure.

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4.3 Indication of any immediate medical attention and special treatment needed

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured.
Symptomatic treatment.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: fire extinguishing foam, extinguishing powder, water mist, carbon dioxide, water spray.

Unsuitable extinguishing media: water jet – risk of the propagation of the flame.

5.2 Special hazards arising from the substance or mixture

During the fire, harmful gases containing carbon oxides and other unidentified thermal decomposition products may be released. Avoid inhaling combustion products, they can be dangerous for human health.

5.3 Advice for firefighters

Use personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals. Do not allow the fire-extinguishing water to enter the sewage system, surface water or ground water. Extremely flammable aerosol. The gas may accumulate at the surface of the ground and travel long distances, creating a risk of fire or explosion. Cool endangered containers with water spray from a safe distance. Pressurized container - danger of unsealing or even explosion at high temperature. Collect used extinguishing media.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. Ensure that only the trained personnel removes the effects of the accident. In case of large releases, isolate the affected area. Avoid contact with skin and eyes. Ensure adequate ventilation. Prohibit smoking, using open flame and sparking tools. Wear personal protective equipment.

6.2 Environmental precautions

If large quantities of the product are released, the product must be prevented from spreading into the natural environment. Notify relevant emergency services.

6.3 Methods and material for containment and cleaning up

If aerosol is released, provide adequate ventilation and allow the product to evaporate. Collect damaged packaging mechanically. Contain the spillage using non-flammable liquid-absorbing materials (e.g. sand, earth, diatomaceous earth, vermiculite) and place it in waste containers. Treat the collected material as waste. Clean and ventilate the contaminated area. Do not use sparking tools. Do not smoke.

6.4 Reference to other sections

Appropriate conduct with waste product – see section 13. Personal protective equipment – see section 8.

Section 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Avoid skin and eyes contamination. Before break and after work wash hands. Do not eat, drink and smoke during the work. Use personal protective equipment. Avoid breathing spray. Provide adequate general and/or local ventilation. Eliminate sources of ignition - do not use open flame, do not smoke, do not use sparking tools and clothing made of fabrics susceptible to static electricity; protect containers from heating. Do not spray over an open flame or incandescent material. Prevent the accumulation of electrostatic charges. Use as intended.

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7.2 Conditions for safe storage, including any incompatibilities

Store only in a dry and cool place at temperatures below 50 °C. Keep away from sources of fire and heat. Prohibit smoking, using open flame and sparking tools in the warehouse. Avoid direct sunlight. Keep unused containers tightly closed. Do not store together with food, animal feed and incompatible materials (see subsection 10.5).

7.3 Specific end use(s)

No other information than those mentioned in subsection 1.2.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Substance [CAS number]	Workplace exposure limit	
	Long-term exposure limit (8-hr TWA reference period)	Short-term exposure limit (15-minute reference period)
butane [CAS 106-97-8]	1450 mg/m ³	1810 mg/m ³

The table above shows the maximum workplace concentration values in Great Britain.

Legal Basis: EH40/2005 Workplace exposure limits. Fourth Edition 2020.

There are no occupational exposure limit values at working place for the substances present in the mixture at the Community level.

Legal Basis: Commission Directive 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, 2019/1831/EU.

Please check any national occupational exposure limit values in your country.

Recommended control procedures

Procedures concerning the control over the dangerous components concentrations in the air and control over the air quality in the workplace – if they are available and justified for the position – in accordance with the European Standards, with the conditions within the exposure place and a proper test methodology adapted to the working conditions. The mode, type and frequency of tests and measurements should meet the requirements contained in the relevant regulations.

8.2 Exposure controls

Appropriate engineering controls

Follow general safety and hygiene rules. Avoid eyes and skin contamination. Take off contaminated clothing immediately. General and/or local ventilation should be provided in the workplace to keep the concentrations of harmful factors in the air below the established limit values. Do not eat, drink and smoke during the work. Before break and after work wash hands carefully. If during work processes there is a risk of the employee's clothing catching fire - no further than 20 m in a horizontal line from the stations where these processes are performed, emergency showers (safety showers) for washing the entire body and separate showers (showers) for washing the eyes should be installed.

Individual protection measures, such as personal protective equipment

The necessity to use and selection of appropriate personal protective equipment should take into account the type of risk posed by the product, working conditions and the way of handling the product. The personal protective equipment used must meet the requirements of Regulation (EU) 2016/425 and the relevant standards. The employer is obliged to provide protection measures appropriate to the activities performed and meeting all quality requirements, including their maintenance and cleaning. Any contaminated or damaged PPE must be replaced immediately.

Hand protection

Use protective gloves resistant to the product in accordance with the EN 374 standard. The material for gloves should be selected individually at the workplace. In case of a short exposure, use protective gloves marked with performance level 2 or higher (breakthrough time > 30 min). In case of a long exposure, use protective gloves marked with performance level 6 (breakthrough time > 480 min).

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When using protective gloves during work with chemical products, it should be noted that the efficacy levels and corresponding breakthrough times do not indicate actual times of protection at a particular workplace, because the protection can be affected by many factors, e.g. temperature, other substances etc. If there are any signs of degradation, damage or change in appearance (colour, flexibility, shape), it is recommended to replace the gloves with a new pair. Please follow the manufacturer's instructions, not only in terms of gloves' usage, but also in terms of their cleaning, maintenance and storage. It is also important to know how to take off the gloves in order to avoid hands contamination.

Body protection

Use protective clothing resistant to the product.

Eyes protection

If there is a risk of eye contamination, tight protective glasses should be used in accordance with the EN 166 standard.

Respiratory protection

Under normal conditions it is not required. In case of the formation of vapours and aerosols, use absorbing or absorbing and filtering equipment with a suitable protection class (class 1/protection against vapours with a concentration in the air volume not exceeding 0,1 %, class 2 / protection against vapours with a concentration in the air not exceeding 0,5 %, class 3 / protect against vapours at concentrations in the air volume to 1 %). In cases where the oxygen concentration is ≤ 19 % and / or maximum concentration of toxic substances in the air is $\geq 1,0$ % by volume, isolating equipment should be used.

Thermal hazards

Do not occur.

Environmental exposure controls

Avoid discharge into the environment, do not empty into drains. Possible emissions from the ventilation systems and processing equipment should be controlled in order to determinate their compatibility with environmental protection regulations.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	liquid in an aerosol container
Colour:	according to assortment
Odour:	characteristic
Melting point/freezing point:	-187,6 °C (propane); -138,3 °C (butane)
Boiling point or initial boiling point and boiling range:	-42,1 °C (propane), -1 °C (butane)
Flammability:	extremely flammable aerosol
Lower and upper explosion limit:	1,9 % vol. /8,5 % vol. (butane) 2,1 % vol. /9,5 % vol. (propane)
Flash point:	-95 °C (propane); -60 °C (butane)
Auto-ignition temperature:	470 °C (propane), 365 °C (butane)
Decomposition temperature:	not determined
pH:	not determined
Kinematic viscosity:	not determined
Solubility:	not determined
Partition coefficient n-octanol/water (log value):	not determined
Vapour pressure:	not determined
Density and/or relative density:	not determined
Relative vapour density:	not determined
Particle characteristics:	not applicable

9.2 Other information

No additional test results.

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Section 10: Stability and reactivity

10.1 Reactivity

Product is reactive. Vapours may form explosive mixtures with air. More information can be found in subsections: 10.3-10.5.

10.2 Chemical stability

The product is stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions

Hazardous reactions are not known.

10.4 Conditions to avoid

Avoid sources of heat, ignition, sparks, direct sunlight, electrostatic discharge and temperatures above 50 °C.

10.5 Incompatible materials

Strong oxidants, strong acids and bases.

10.6 Hazardous decomposition products

Not known.

Section 11: Toxicological information

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

Information on acute and/or delayed effects of exposure has been determined based on product classification information and/or toxicological studies

Acute toxicity

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

Skin corrosion/irritation

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

Serious eye damage/irritation

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

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met. However, in contact with the skin, the product may cause allergic reactions in particularly sensitive people.

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.

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

Information on likely routes of exposure

Routes of exposure: skin contact, eye contact, inhalation. For more information on the impact of each possible route of exposure, see subsection 4.2.

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Symptoms related to the physical, chemical and toxicological characteristics

See subsection 4.2.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

See subsection 4.2.

11.2 Information on other hazards

Endocrine disrupting properties

The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 (3) or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight.

Other information

Not known.

Section 12: Ecological information

12.1 Toxicity

Product is not classified as hazardous to the aquatic environment.

12.2 Persistence and degradability

No data available for the mixture.

12.3 Bioaccumulative potential

Bioaccumulation is not expected.

12.4 Mobility in soil

The gaseous components of the mixture spread quickly in the air.

12.5 Results of PBT and vPvB assessment

Components of this mixture do not meet the criteria of PBT or vPvB substances.

12.6 Endocrine disrupting properties

The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 (3) or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight.

12.7 Other adverse effects

The mixture is not classified as hazardous to the ozone layer. The possibility of other harmful effects of individual components of the mixture on the environment should be considered (e.g. global warming potential).

Section 13: Disposal considerations

13.1 Waste treatment methods

Disposal methods for the product: disposal in accordance with the local legislation. Store remains in original containers. Do not empty into drains. Do not dispose of with municipal waste. Waste code should be given in the place of waste formation.

Disposal methods for used packing: reused/recycled/eliminated of used packing should be carried out in accordance with the local legislation. Waste code should be given in the place of waste formation. Do not puncture or burn empty containers.

Legal basis: Directive 2008/98/EC as amended, 94/62/EC as amended.

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Section 14: Transport information

14.1 UN number or ID number

UN 1950

14.2 UN proper shipping name

AEROSOLS

14.3 Transport hazard class(es)

2 (label 2.1)

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Product is not classified as dangerous for the environment in accordance with the criteria included in transport regulations.

14.6 Special precautions for user

Avoid sources of ignition and fire. Packages shall not be thrown or subjected to impact. Receptacles shall be so stowed in the vehicle or container that they cannot overturn or fall. Use personal protective equipment in accordance with section 8.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

Section 15: Regulatory information

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

ADR Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG Code International Maritime Dangerous Goods Code.

IATA Dangerous Goods Regulations.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a 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.

Commission Regulation (EU) No 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended.

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives as amended.

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

Commission Regulation (EU) No 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

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Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.

Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

Commission Directive 2017/164/EU of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU.

Commission Directive 2019/1831/EU of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

15.2 Chemical safety assessment

Chemical safety assessment is not required for the mixture.

Section 16: Other information

Full text of indicated H phrases mentioned in section 3

H220	Extremely flammable gas.
H280	Contains gas under pressure; may explode if heated.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Clarification of aberrations and acronyms

TWA	Total Weight Average (the employee's average airborne exposure in any 8-hour work shift of a 40-hour work week which shall not be exceeded).
PBT	Persistent, Bioaccumulative and Toxic substance
vPvB	very Persistent, very Bioaccumulative substance
Skin Irrit. 2	Skin irritation, category 2
Skin Sens. 1B	Skin sensitization, category 1B
Eye Irrit. 2	Eye irritation, category 2
Flam. Gas 1	Flammable gas, category 1
Press. Gas	Gas under pressure

Trainings

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training. People associated with transport of hazardous materials in accordance with ADR should be adequately trained for their job responsibilities (general training, bench and safety)..

Key literature references and sources of data

This SDS was prepared on the basis of component safety data sheets, manufacturer's data as well as our knowledge and experience, taking into account currently applicable legal regulations.

Procedures used to classify the mixture

The classification was based on physicochemical data of the mixture and the content of hazardous ingredients using a calculation method based on the guidelines of Regulation 1272/2008/EC (CLP) as amended.

Other data

Date of issue:	10.04.2024
Version:	1.0/EN
Safety Data Sheet issued by:	THETA Consulting Sp. z o.o. (based on producer's data)

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The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.

DISCLAIMER

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