



SAFETY DATA SHEET

Assmann 63004 Power Duster 400 ml

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued 03.12.2014
 Revision date 26.05.2016

1.1. Product identifier

Product name Assmann 63004 Power Duster 400 ml
 Specification No. L10000000007

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

Product group Aerosols
 Use of the substance/preparation Computer cleaning
 Relevant identified uses
 SU21 Consumer uses: Private households (= general public = consumers)
 SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen)
 PC35 Washing and cleaning products (including solvent based products)
 PROC11 Non-industrial spraying
 ERC8A Wide dispersive indoor use of processing aids in open systems
 ERC8D Wide dispersive outdoor use of processing aids in open systems
 Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Distributor

Company name Kleinmann GmbH
 Postal address Am Trieb 13
 Postcode D-72820
 City Sonnenbuehl
 Country Germany
 Tel +49(0)7128/9292-15
 Fax +49(0)7128/9292-415
 E-mail chemie@kleinmann.net
 Website <http://www.kleinmann.net>
 Enterprise no. DE 146 487

1.4. Emergency telephone number

Emergency telephone
 Tel: +49(0)7128/9292-15
 Description: 8-12, Mo.-Fr.

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Flam Aerosol 1; H222 Aerosol 1; H229
Substance / mixture hazardous properties	Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition – No smoking. Keep out of the reach of children. For further information, please refer to section 11.

2.2. Label elements

Hazard Pictograms (CLP)



Composition on the label	Butane , Propane
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. P260 Do not breathe spray. 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 Pressurized container: Do not pierce or burn, even after use. P410+P412 Protect from sunlight. Do no expose to temperatures exceeding 50 °C / 122°F.

2.3. Other hazards

Description of hazard	Extremely flammable.
Health effect	May be slightly irritating to skin and eyes. Vapours/aerosol spray may irritate the respiratory system. In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. See section 11 for additional information on health hazards.
Environmental effects	This product does not contain any PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
Butane	CAS no.: 106-97-8 EC no.: 203-448-7 Index no.: 601-004-00-0 Synonyms for section 3: Butane	Flam. Gas 1;H220 Press. Gas Note : C	65 – 70 %
Propane	CAS no.: 74-98-6 EC no.: 200-827-9 REACH Reg. No.: 01-2119486944-21	F+; R12 Flam gas 1; H220	30 – 35 %
Substance comments	The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.		

>30%: alifatic hydrocarbons

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Remove victim immediately from source of exposure.
Inhalation	Fresh air. In case of persistent throat irritation or coughing or after inhalation of oil mist: Seek medical attention and bring along these instructions.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.
Ingestion	Rinse mouth with water. Immediately give a couple of glasses of water or milk, provided the victim is fully conscious. Do not induce vomiting. Consult a physician for specific advice.

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

Acute symptoms and effects As described in section 2.2, 2.3 and 11.

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

Other Information If unconscious: Call an ambulance/physician immediately. Show this Safety Data Sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards Aerosol containers can explode when heated, due to excessive pressure build-up. In case of fire, toxic and corrosive gases may be formed.

5.3. Advice for firefighters

Personal protective equipment Wear necessary protective equipment. For personal protection, see section 8.
Fire fighting procedures Containers close to fire should be removed immediately or cooled with water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures For personal protection, see section 8. Do not smoke, use open fire or other sources of ignition.

6.2. Environmental precautions

Environmental precautionary measures Do not let washing down water contaminate ponds or waterways. Contact local authorities in case of spillage to drain/aquatic environment.

6.3. Methods and material for containment and cleaning up

Cleaning method Clean contaminated area with oil-removing material. For waste disposal, see section 13.

6.4. Reference to other sections

Other instructions See section 8 and section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling Avoid contact with skin and eyes. Avoid inhalation of vapours and spray mists. Keep away from heat, sparks and open flame. Provide good ventilation. Mechanical ventilation or local exhaust ventilation may be required. Risk of vapour concentration on the floor and in low-lying areas. Take precautionary measures against static discharges. Do not eat, drink or smoke when using the product. Wash hands before breaks and before smoking, eating or drinking.

7.2. Conditions for safe storage, including any incompatibilities

Storage Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Always store proper, out of the reach of children and not together with food, feed, medicine and the like. Store at moderate temperatures in dry, well ventilated area.

7.3. Specific end use(s)

Specific use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Substance	Identification	Value	TWA Year
Butane	CAS no.: 106-97-8	TWA (8h): 600 ppm	TWA Year: 2011
	EC no.: 203-448-7	TWA (8h): 1450 mg/m3	
	Index no.: 601-004-00-0	OEL Short Term Value	
	Synonyms for section 3: Butane	Value: 750 ppm OEL Short Term Value Value: 1810 mg/m3	
Propane	CAS no.: 74-98-6	TWA (8h): 1800 mg/m3	TWA Year: 2008
	EC no.: 200-827-9	TWA (8h): 1000 ppm	
	REACH Reg. No.: 01-2119486944-21		

DNEL / PNEC

Summary of risk management measures, human Data lacking.

Summary of risk management measures, environment Data lacking.

8.2. Exposure controls

Limitation of exposure on workplace Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. All handling to take place in well-ventilated area.

Safety signs



Respiratory protection

Respiratory protection	If ventilation is insufficient, suitable respiratory protection must be provided. Use respiratory equipment with combination filter, type A2/P2. (EN 143/EN149)
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Hand protection

Hand protection	Under normal conditions of use gloves are not normally required.
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Eye / face protection

Eye protection	Eye protection is not required under normal conditions.
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Thermal hazards

Thermal hazards	See section 5.
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Appropriate environmental exposure control

Environmental exposure controls	See section 6.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Aerosol.
Colour	Colourless.
Odour	Almost odourless.
Odour limit	Comments: No data recorded.
pH	Status: In delivery state Comments: No data recorded.
	Status: In aqueous solution Comments: Not relevant.
Melting point / melting range	Comments: Not relevant.
Boiling point / boiling range	Comments: No data recorded.
Flash point	Value: < -20 °C
Evaporation rate	Comments: No data recorded.
Explosion limit	Comments: No data recorded.
Vapour pressure	Comments: No data recorded.
Vapour density	Comments: No data recorded.
Specific gravity	Value: ~ 0,56 g/ml
Bulk density	Comments: Not relevant.
Solubility in water	insoluble
Partition coefficient: n-octanol/water	Comments: No data recorded.
Spontaneous combustability	Comments: No data recorded.
Decomposition temperature	Comments: No data recorded.
Viscosity	Comments: Not relevant.
Explosive properties	Not explosive.
Oxidising properties	Does not meet the criteria for oxidising.

9.2. Other information

Other physical and chemical properties

Comments No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions See section 10.4 and section 10.5.

10.4. Conditions to avoid

Conditions to avoid Avoid exposing aerosol containers to high temperatures or direct sunlight. Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid No data recorded.

10.6. Hazardous decomposition products

Hazardous decomposition products In case of fire, toxic gases (CO, CO₂, NO_x) may be formed.

Other information

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Other toxicological data Toxicological tests on the product has not been performed.

Potential acute effects

Inhalation Vapours may cause drowsiness and dizziness. Inhalation of high vapour concentrations may cause symptoms such as mild irritation, headache, dizziness, fatigue, nausea and in serious cases unconsciousness. Aerosols irritate the respiratory system, and may cause coughing and difficulties in breathing. Contains organic solvents which in case of overexposure may depress the central nervous system causing dizziness and intoxication.

Skin contact Prolonged or frequent contact may cause redness, itching, irritation, eczema, skin cracking and oil acne.

Eye contact May cause temporary eye irritation.

Ingestion May cause nausea, headache, dizziness and intoxication. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

Symptoms of Exposure

Symptoms of overexposure	High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.
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SECTION 12: Ecological information

12.1. Toxicity

Aquatic, comments	No data available for the product.
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12.2. Persistence and degradability

Persistence and degradability	The product is readily biodegradable.
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12.3. Bioaccumulative potential

Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
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12.4. Mobility in soil

Mobility	No data recorded.
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12.5. Results of PBT and vPvB assessment

PBT assessment results	This product does not contain any PBT or vPvB substances.
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12.6. Other adverse effects

Environmental details, summation	For this product no classification is required for environmental hazards.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Do not empty into drains; dispose of this material and its container at hazardous or special waste collection point. Dispose of waste and residues in accordance with local authority requirements.
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Product classified as hazardous waste	Yes
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Packaging classified as hazardous waste	Yes
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EWC waste code	EWC: 150110 packaging containing residues of or contaminated by dangerous substances
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Other Information	Waste code applies to product remnants in pure form. When handling waste, consideration should be made to the safety precautions applying to handling of the product.
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SECTION 14: Transport information

14.1. UN number

ADR / RID / ADN	1950
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IMDG	1950
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ICAO/IATA	1950
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14.2. UN proper shipping name

Proper Shipping Name English	AEROSOLS
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ADR/RID/ADN	
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ADR / RID / ADN	AEROSOLS
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IMDG	AEROSOLS
ICAO/IATA	AEROSOLS, FLAMMABLE

14.3. Transport hazard class(es)

ADR / RID / ADN	2.1
IMDG	2.1
ICAO/IATA	2.1

14.4. Packing group

Comments	Not relevant.
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14.5. Environmental hazards

14.6. Special precautions for user

EmS	F-D, S-U
Special safety precautions for user	None.

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

Additional information.

Additional information.	Not relevant.
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SECTION 15: Regulatory information

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

Other Label Information	As a general rule, persons under 18 years of age are not allowed to work with this product. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.
Legislation and regulations	The Aerosol Dispensers Regulations 2009 (SI 2824), with amendments. EH40/2005, Workplace exposure limits 2005, with amendments. The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation 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, including amendments. 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.

15.2. Chemical safety assessment

Chemical safety assessment performed	No
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SECTION 16: Other information

List of relevant R-phrases	R12 Extremely flammable.
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(under headings 2 and 3).	
List of relevant H-phrases (Section 2 and 3).	H222 Extremely flammable aerosol. H220 Extremely flammable gas. H229 Pressurised container: May burst if heated.
Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Aerosol 1; H222; Aerosol 1; H229;
Training advice	No particular training or education is required but the user must be familiar with this SDS. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.
Information which has been added, deleted or revised	Change to Sections: 1. 14, 16.
Prepared by	ANI