



SAFETY DATA SHEET

Durable 583619 Powerclean Plus Flammable 400 ml

SDS according to Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex II-EU

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

Date issued 10.11.2015

1.1. Product identifier

Product name Durable Powerclean Plus Flammable 400 ml
Specification No. L10000000007
Article no. 583619

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 DURABLE Hunke & Jochheim GmbH & Co. KG
Postal address Westfalenstrasse 77-79
Postcode D-58636
City Iserlohn
Country Germany
Tel +49 (0) 2371 / 662 - 0
Fax +49 (0) 2371 / 662 - 221
E-mail durable@ durable.de
Website http://www.durable.de
Enterprise no.

1.4. Emergency telephone number

Emergency telephone +49 (0) 2371 / 662 - 0 (only to the office hours)

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; H229;
Substance / mixture hazardous properties Pressurized container: Do not pierce or burn, even after use. Do not expose to temperatures exceeding 50 °C/122 °F.

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 not expose to temperatures exceeding 50 °C/122°F.

2.3. Other hazards

Description of hazard	Skin contact: May be slightly irritating on protracted or repeated exposure. Skin contact may cause redness, smarting and itching. Vapour or splashes to the eyes may cause redness, smarting and discomfort. Inhalation of high contents may cause headache, nausea and dizziness. Inhalation of aerosol/spray mist may cause slight irritation in the upper respiratory tract with symptoms like coughing and sneezing. Aerosol containers can explode when heated, due to excessive pressure build-up. Extremely flammable.
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: Butane	F+; R12 Flam. gas 1; H220 Press. Gas Note : C	65 - 70 %
Propane	CAS no.: 74-98-6 EC no.: 200-827-9 Registration number: 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	Move the exposed person to fresh air at once. Call a POISON CENTER or doctor/physician if you feel unwell.
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 or eyewash solution for up to 10 minutes.
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.

Improper extinguishing media Do not use a solid water stream as it may scatter and spread fire.

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. Gases that are dangerous to health may be formed in a fire: carbon monoxide (CO) , carbon dioxide (CO₂) .

5.3. Advice for firefighters

Personal protective equipment Wear personal protective equipment, see section 8. Avoid breathing of combustion gases. Wear self contained breathing apparatus during fire fighting.

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 Contain spillages with sand, earth or any suitable adsorbent material. Provide ventilation and confine spill. Do not allow runoff to sewer. 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

Occupational Exposure limit values

Substance	Identification	Value	TWA Year
Butane	CAS no.: 106-97-8	8-hour TWA: 600 ppm	2011
	EC no.: 203-448-7	8-hour TWA: 1450 mg/m ³	
	Index no.: 601-004-00-0	15 min.: 750 ppm	
	Synonyms: Butane	15 min.: 1810 mg/m ³	
Propane	CAS no.: 74-98-6	8-hour TWA: 1800 mg/m ³	2008
	EC no.: 200-827-9	8-hour TWA: 1000 ppm	
	Registration number: 01-2119486944-21		

8.2. Exposure controls

Limitation of exposure on workplace

Working place and methods must be arranged in order to avoid any direct contact with the product. All handling to take place in well-ventilated area.

Respiratory protection

Respiratory protection

If ventilation is insufficient, use a respirator with type A (EN 141) gas filter and P2 particle filter (EN 143/EN 149).

Hand protection

Hand protection

Protective gloves are recommended. Nitrile gloves are recommended. Breakthrough time: >2 hours.

Eye / face protection

Eye protection

Use approved safety goggles or face shield. (EN 166).

Thermal hazards

Thermal hazards

See section 5.

Appropriate environmental exposure control

Environmental exposure controls

See section 6.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Aerosol.
Colour	Colourless.
Odour	Almost odourless.
Comments, Odour limit	No data recorded.
Comments, pH (as supplied)	No data recorded.
Comments, pH (aqueous solution)	Not relevant.
Comments, Melting point / melting range	Not relevant.
Comments, Boiling point / boiling range	No data recorded.
Flash point	Value: < -20 °C
Comments, Evaporation rate	No data recorded.
Comments, Explosion limit	No data recorded.
Comments, Vapour pressure	No data recorded.
Comments, Vapour density	No data recorded.
Specific gravity	Value: ~ 0,56 g/ml
Comments, Bulk density	Not relevant.
Solubility in water	insoluble
Comments, Partition coefficient: n-	No data recorded.

octanol / water

Comments, Spontaneous combustability No data recorded.

Comments, Decomposition temperature No data recorded.

Comments, Viscosity 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 Gases that are dangerous to health may be formed in a fire: carbon dioxide (CO₂) , carbon monoxide (CO) .

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological Information:

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

Toxicological data for substances

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. Inhalation of aerosols/mist may cause coughing and breathing difficulties. Contains organic solvents which in case of overexposure may depress the central nervous system causing dizziness and intoxication.

Skin contact Skin contact may cause redness, smarting and itching. Prolonged or repeated exposure may degrease the skin with symptoms like redness, smarting, itching, cracking of skin and possible eczema.

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.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic, comments No data available for the product.

Toxicological data for substances**12.2. Persistence and degradability**

Persistence and degradability The product is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility No data recorded.

12.5. Results of PBT and vPvB assessment

PBT assessment results This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Environmental details, summation For this product no classification is required for environmental hazards.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Specify the appropriate methods of disposal Do not dispose of residues and waste down the drains. Dispose of waste and residues in accordance with local authority requirements.

Product classified as hazardous waste Yes

Packaging classified as hazardous waste Yes

EWC waste code EWC: 150110 packaging containing residues of or contaminated by dangerous substances

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.

SECTION 14: Transport information**14.1. UN number**

ADR 1950

RID 1950

IMDG 1950

ICAO/IATA 1950

14.2. UN proper shipping name

ADR AEROSOL

RID AEROSOL

IMDG AEROSOLS

ICAO/IATA AEROSOLS, FLAMMABLE

14.3. Transport hazard class(es)

ADR 2.2

RID 2.2

IMDG 2.2

ICAO/IATA 2.2

14.4. Packing group

Comments Not relevant.

14.5. Environmental hazards

IMDG Marine pollutant No

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.

SECTION 15: Regulatory information

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

EEC-directive	Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.
Other Label Information	For professional users only. 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 (EEC Requirements)(Amendment) Regulations 1996 (S.I 1996 No. 2421). 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.

15.2. Chemical safety assessment

Chemical safety assessment performed No

SECTION 16: Other information

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]	Flam Aerosol 1; H222; ; H229;
List of relevant R-phrases (under headings 2 and 3).	R12 Extremely flammable.
List of relevant H-phrases (Section 2 and 3).	H222 Extremely flammable aerosol. H220 Extremely flammable gas. H229 Pressurised container: May burst if heated.
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	New safety data sheet.
Version	1
Responsible for safety data sheet	DURABLE Hunke & Jochheim GmbH & Co. KG
Prepared by	IB