

		MATERIAL SAFETY DATA SHEET		
		POWER DUSTER FLAMMABLE		
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1. Identification of the preparation and the undertaking.

1.1. Identification of the preparation :

POWER DUSTER FLAMMABLE

Ref: P 4000

1.2. Use of the preparation :

Power Duster provides quick and effective computer and electronic maintenance.

1.3. Undertaking identification :

Megabajt sp. z o.o.

Rydygiera 8

01-793 Warszawa, Polska

Tel :

Fax :

1.4. Emergency telephone number :

(chemical dpt.)

2. Information on ingredients.

2.1. Description : A mixture of Butane/Propane.

Propellant : Butane/Propane.

2.2. Dangerous components :

Name Component	Concentration Range	EC-Nr	CAS-Nr	Symbol(s)	R-phrases
Butane (≤ 0.1 % butadiene)	> 55 < 70 %	203-448-7	106-97-8	F+	12
Propane	> 30 < 45 %	200-827-9	74-98-6	F+	12

“Certain components of this preparation are classified in accordance with the European directives and its risk information (R) is only stated via its codes. The full text of these sentences can be found in chapter 16.”

3. Hazards Identification.

The preparation is classified as extremely flammable : F+, R12.

Intentional misuse of the preparation by concentrating and inhaling the vapours can be harmful or fatal.

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4. First-aid measures.

4.1. In case of contact with eyes : In the case of cold burns involving the eye, obtain medical attention without delay.

4.2. In case of skin contact : In the event of cold burns obtain medical advice. Cover the wounds with sterile dressings only. Do not apply ointments or powders.

4.3. In case of inhalation : Remove the victim to fresh air. Seek medical advice if the victim is not feeling well. If breathing has stopped, begin artificial respiration immediately. Obtain medical attention without delay.

4.4. In case of ingestion : Not applicable.

5. Fire-fighting measures.

5.1. Suitable extinguishing media : CO₂, powder, spray.

5.2. Extinguishing media which must not be used for safety reasons : Full jet of water.

5.3. Special exposure hazards : Heating will cause pressure rise with risk of bursting. Bursting aerosols can be forcibly projected from a fire. Keep containers cool by spraying with water if exposed to fire. Keep public away from danger area. If possible, remove to a safe, ventilated place. Can be ignited by flame or sparks under all normal atmospheric conditions. Vapours may form explosive mixtures with air. Avoid electrostatic build-up.

5.4. Special protective equipment for fire-fighters : Wear suitable protective clothing.

Wear suitable gloves and suitable respiratory equipment. Wear eye/face protection. Use self-contained breathing equipment when fighting fire in confined spaces.

5.5. Specific methods : Spray from a protected position till the containers are cool. If possible, take the aerosols outside. Keep public on a distance.

6. Accidental release measures.

6.1. Personal precautions : Avoid contact with skin and eyes. Eliminate sources of ignition. Take care of a good ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

6.2. Environmental precautions : Use appropriate containment to avoid environmental contamination.

6.3. Methods for cleaning up : Not applicable.

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7. Handling and storage.

7.1. Handling : Pressurized container. Do not spray on a naked flame or any incandescent material. Do not pierce or burn, even after use. When using do not eat, drink or smoke. Do not inhale the spray particles. Avoid contact with eyes. Use only in well ventilated areas.

7.2. Storage : Keep out of the reach of children. Protect from sunlight and do not expose to temperatures exceeding 50°C. Storage in a dry, ventilated place free from frost. Keep away from food, drink and animal feeding stuffs. Keep away from heat and sources of ignition.

7.3. Specific uses : Not applicable.

8. Exposure controls/personal protection.

8.1. Exposure limit values :

Name Component	Limit Value	Short Time Value	Additional classification
Butane (≤ 0.1 % butadiene)	800 ppm / 1928 mg/m ³	-	
Propane	-	-	A

8.2. Exposure controls :

8.2.1. Occupational exposure limits :

8.2.1.1. Respiratory protection : Do not inhale the spray particles. Use in a well ventilated place.

8.2.1.2. Hand protection : Not necessary at efficient use.

8.2.1.3. Eye protection : Avoid contact with the eyes. Do not spray in the direction of the eyes.

8.2.1.4. Skin protection : Not necessary at efficient use.

8.2.2. Environmental exposure controls : The preparation is following the European directives not classified as dangerous for environment.

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9. Physical and chemical properties.

9.1. General information :

- Appearance : pressurized container
- Colour : colourless
- Odour : specific

9.2. Important health, safety and environmental information :

- pH : not applicable
- Boiling point : not applicable
- Flash point : < 0°C
- Flammability : extremely flammable
- Density : ± 0.545 g/ml
- Solubility : in organic solvents

9.3. Other information :

- Melting point : not applicable
- Pressure at 20°C : ± 4.5 bar
- Pressure at 50°C : < 10 bar
- Water content : < 0.3 % w/w

10. Stability and reactivity.

10.1. Conditions to avoid : Protect from sunlight and do not expose to temperatures exceeding 50°C. Keep away from heat and sources of ignition. Storage in a dry well ventilated place.

10.2. Materials to avoid : May react with strong oxidizing agents.

10.3. Hazardous decomposition products : Stable, no dangerous reactions at efficient use.

11. Toxicological information.

Inhalation : The vapours can be absorbed into the body through inhalation and at high concentrations may cause dizziness, drowsiness and headache.

Contact with skin : Unlikely to cause skin irritation.

Contact with eyes : Unlikely to cause eye irritation.

Ingestion : Not applicable.

Other : Information published in the literature shows a very low order of toxicity. Exposures to very high concentrations have an anaesthetic effect.

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12. Ecological information.

12.1. Ecotoxicity :

- Butane/Propane : Low acute toxicity for mammals. Slightly toxic, CL50/CE50 > 10-100 mg/l to aquatic organisms estimated.

12.2. Mobility :

- Butane/Propane : Evaporates extremely rapidly from water or soil surface. Disperse rapidly in air.

12.3. Persistence en degradability :

- Butane/Propane : Oxidises quickly by photochemical reactions in air.

12.4. Bioaccumulative potential :

- Butane/Propane : Does not bioaccumulate.

12.5. Other adverse effects : No.

13. Disposal considerations.

Dispose in accordance with local and state regulations.

14. Transport information.

Proper shipping name : AEROSOLS, FLAMMABLE

UN : 1950

ADR/RID class : 2 ADR 5F

IMCO : class 2.1

EmS : F-D, S-U

Flash Point : < 0°C

Other relevant data : Extremely flammable

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15. Regulatory information.

Label according to the Directives relating to the classification, packaging and labelling of dangerous substances and preparations :



Extremely flammable

Risk phrases R :

- R 12 : Extremely flammable.

Safety phrases S :

- Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
- S 2 : Keep out of the reach of children.
- S 16 : Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition. No smoking.
- S 23 : Do not breathe spray.
- S 51 : Use only in well-ventilated areas.

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16. Other information.

- List of R-phrases :
 - R 12 : Extremely flammable.
- Further information : **Instructions of use** : Use can at room temperature and keep can upright during application. Spray on the surface to be treated. Keep away from sources of ignition. No smoking.
- Changes to the last version will be indicated with the following symbol : *.
- This safety document is conform with the norms according to directives 91/155/EEC, 93/112/EEC and 2001/58EC. Arranged conform to article 14 of directive 1999/45/EC.

“IMPORTANT: The information on these documents are given to the best of our knowledge and in good faith. We accept no responsibility if the product has been used for other purposes than specified. It is the responsibility of the user to respect all safety regulations for both human and environment during handling, storage and end use.”