Safety Data Sheet

according to UK REACH Regulation

Duster BR.

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

1.1. Product identifier

Duster BR.

Further trade names

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UFI: 9F9X-DPFR-80P9-U084

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

Uses advised against

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1.3. Details of the supplier of the safety data sheet

Company name:	ITW LLC & Co. KG
Street:	Am Eichenbach 14
Place:	D-73054 Eislingen/Fils
Telephone:	+49 800 6273002
E-mail:	skrautmann@itwindustrialsolutions.com
Contact person:	Produktsicherheit Mo. - Do. 8.00 - 16.30 Fr. 8.00 - 14.00 Telephone: ++49 800 6273002
E-mail:	info@itwindustrialsolutions.com
Internet:	www.itwindustrialsolutions.com
Responsible Department:	Produktsicherheit Mo. - Do. 8.00 - 16.30 Fr. 8.00 - 14.00 Deutschland: Vergiftungs-Informations-Zentrale Freiburg 0761 19240 Swiss Toxicological Information Centre - Téléphone : +41 44 251 51 51 (in Switzerland dial 145) United Kingdom : National Poisons Information Service - Phone number : 8448920111 Österreich : Vergiftungsinformationszentrale Vienna - Telefon-Nummer : +43 1 406 43 43 Schweiz : Tox Info Suisse - Telefon-Nummer : +41 44 251 51 51 España : Instituto Nacional de Toxicología - Teléfono : +34 91 562 04 20 România (Romania): Spitalul de Urgenta Floreasca 021 230 8000 România (Romania): Spitalul de Urgenta Floreasca 021 230 8000 CAV “Ospedale Pediatrico Bambino Gesù” – Roma Tel. (+39) 06.6859.3726 CAV “Azienda Ospedaliera Università di Foggia” – Foggia Tel. 800.183.459 CAV “Azienda Ospedaliera A. Cardarelli” – Napoli Tel. (+39) 081.545.3333 CAV Policlinico “Umberto I” – Roma Tel. (+39) 06.4997.8000 CAV Policlinico “A. Gemelli” – Roma Tel. (+39) 06.305.4343 CAV Azienda Ospedaliera “Careggi” U.O. Tossicologia Medica – Firenze Tel. (+39) 055.794.7819 CAV Centro Nazionale di Informazione Tossicologica – Pavia Tel. (+39) 0382.24.444 CAV Ospedale Niguarda – Milano Tel. (+39) 02.66.1010.29 CAV Azienda Ospedaliera Papa Giovanni XXIII – Bergamo Tel. 800.88.33.00 CAV Centro antiveleni Veneto – Verona Tel. 800.011.858 Slovakia: National Toxicological Information Centre Bratislava +421 2 5465 2307 Czech Republic: Ministry of Health of the Czech Republic Chemical Substances and Biocidal Products Unit +420 267 082 236 Slovakia: National Toxicological Information Centre Bratislava +421 2 5465 2307 Myrkytystietokeskus/HUS 0800 – 147111/ 09-471977

1.4. Emergency telephone number:

Deutschland: ++49 800 6273002
Slovakia: National Toxicological Information Centre Bratislava +421

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Hazard categories:
Aerosols: Aerosol 1
Hazard Statements:
Extremely flammable aerosol.
Pressurised container: May burst if heated.

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2.2. Label elements

GB CLP Regulation

Signal word: Danger

Pictograms:



Hazard statements

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

Precautionary statements

P501	Dispose of contents/container to an appropriate recycling or disposal facility.
P211	Do not spray on an open flame or other ignition source.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251	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

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
75-28-5	isobutane			50-100 %
	200-857-2	601-004-00-0		
	Flam. Gas 1; H220			
74-98-6	propane			25-50 %
	200-827-9	601-003-00-5		
	Flam. Gas 1; H220			
106-97-8	butane			10-20 %
	203-448-7	601-004-00-0		
	Flam. Gas 1; H220			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air.

After contact with skin

After contact with skin, wash immediately with: Water. Change contaminated clothing.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

If swallowed, immediately drink: Water.

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

No data available

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

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO2). Foam. Extinguishing powder.

Unsuitable extinguishing media

Water with tenside additive. Water.

5.2. Special hazards arising from the substance or mixture

Combustible. Vapours may form explosive mixtures with air. Heating causes rise in pressure with risk of bursting.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Remove all sources of ignition.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Explosion hazard.

6.3. Methods and material for containment and cleaning up

For containment

For cleaning up Wash with plenty of water.

For cleaning up

For cleaning up Wash with plenty of water.

Other information

Ventilate affected area.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Advice on general occupational hygiene

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from sources of ignition - No smoking.

Hints on joint storage

Do not store together with: Material, rich in oxygen, oxidizing.

Further information on storage conditions

Recommended storage temperature 20°C

7.3. Specific end use(s)

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL

8.2. Exposure controls

Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Individual protection measures, such as personal protective equipment

Eye/face protection

Tightly sealed safety glasses.

Hand protection

EN ISO 374 Tested protective gloves are to be worn: Butyl rubber. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Protective clothing:

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Aerosol	
Colour:	colourless	
Odour:	characteristic	
Boiling point or initial boiling point and boiling range:		-0,5 °C
Lower explosion limits:		1,4 vol. %
Upper explosion limits:		9,4 vol. %
Flash point:		-60 °C
Auto-ignition temperature:		365 °C
Vapour pressure: (at 20 °C)		2100 hPa
Vapour pressure: (at 50 °C)		4900 hPa
Density:		0,55 g/cm³

9.2. Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

Keep away from heat. Ignition hazard.

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

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

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation gas) > 20000 ppm

Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.
No data available

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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.
No data available

STOT-single exposure

Based on available data, the classification criteria are not met.
No data available

STOT-repeated exposure

Based on available data, the classification criteria are not met.
No data available

Aspiration hazard

Based on available data, the classification criteria are not met.
No data available

Information on likely routes of exposure

No data available

Specific effects in experiment on an animal

No data available

Additional information on tests

No data available

Practical experience

No data available

11.2. Information on other hazards

Other information

No further relevant information available.

SECTION 12: Ecological information

12.1. Toxicity

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

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
75-28-5	isobutane	2,8
74-98-6	propane	2,36
106-97-8	butane	2,89

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No data available

Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation.

List of Wastes Code - residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	UN1950
14.2. UN proper shipping name:	AEROSOLS
14.3. Transport hazard class(es):	2
Hazard label:	2.1



Classification code:	5F
Special Provisions:	190 327 625
Limited quantity:	1 L
Transport category:	2
Tunnel restriction code:	D

Other applicable information (land transport)

E0

Inland waterways transport (ADN)

14.1. UN number or ID number:	UN1950
14.2. UN proper shipping name:	AEROSOLS
14.3. Transport hazard class(es):	2
Hazard label:	2.1



Classification code:	5F
Special Provisions:	190 327 344 625
Limited quantity:	1 L

Other applicable information (inland waterways transport)

E0

Marine transport (IMDG)

14.1. UN number or ID number:	UN1950
14.2. UN proper shipping name:	AEROSOLS
14.3. Transport hazard class(es):	2
14.4. Packing group:	-
Hazard label:	2, see SP63
Special Provisions:	63, 190, 277, 327, 344, 959
Limited quantity:	See SP277
EmS:	F-D, S-U

Other applicable information (marine transport)

E0

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	UN1950
14.2. UN proper shipping name:	AEROSOLS, flammable
14.3. Transport hazard class(es):	2.1
Hazard label:	2.1



Special Provisions:	A145 A167
Limited quantity Passenger:	30 kg G
IATA-packing instructions - Passenger:	203
IATA-max. quantity - Passenger:	75 kg
IATA-packing instructions - Cargo:	203
IATA-max. quantity - Cargo:	150 kg

Other applicable information (air transport)

E0

: Y203

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Keine weiteren relevanten Informationen verfügbar.

No further relevant information available.

14.7. Maritime transport in bulk according to IMO instruments

No further relevant information available.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 28, Entry 40

Directive 2004/42/EC on VOC in paints and varnishes:	VOC value 50 % (275 g/l)

National regulatory information

Water hazard class (D):	- - non-hazardous to water

SECTION 16: Other information

Abbreviations and acronyms

Flam. Gas: Flammable gases

Relevant H and EUH statements (number and full text)

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)