

Safety Data Sheet

according to UK REACH Regulation

Graphite

Revision date: 12.03.2024

Product code: 128

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

1.1. Product identifier

Graphite

UFI: M0C0-Y05D-V00S-GFY0

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

Uses advised against

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: The person responsible for the safety data sheet:
 skrautmann@itwindustrialsolutions.com
 Contact person: Produktsicherheit Mo. - Do. Telephone: ++49 800 6273002
 8.00 - 16.30 Fr. 8.00 - 14.00
 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 antiveneni 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
 Deutschland: ++49 800 6273002
 Slovakia: National Toxicological Information Centre Bratislava +421

1.4. Emergency telephone number:

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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GB CLP Regulation

Aerosol 1; H222-H229

Eye Irrit. 2; H319

STOT SE 3; H336

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

n-Butyl acetate, Acetone, Isopropanol

Signal word: Danger

Pictograms:



Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Precautionary statements

P501	Dispose of contents/container to an appropriate recycling or disposal facility.
P102	Keep out of reach of children.
P211	Do not spray on an open flame or other ignition source.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P251	Do not pierce or burn, even after use.
P271	Use only outdoors or in a well-ventilated area.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Special labelling of certain mixtures

EUH066	Repeated exposure may cause skin dryness or cracking.
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2.3. Other hazards

Ergebnisse der PBT- und vPvB-Beurteilung
PBT: Nicht anwendbar.
PvB: Nicht anwendbar.
Results of PBT and vPvB assessment
PBT
Not applicable.
PvB
Not applicable.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
123-86-4	n-butyl acetate			25-50%
	204-658-1	607-025-00-1		
	Flam. Liq. 3, STOT SE 3; H226 H336 EUH066			
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			5-20%
	200-661-7	603-117-00-0		
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			
74-98-6	propane			10-25%
	200-827-9	601-003-00-5		
	Flam. Gas 1; H220			
106-97-8	butane			10-25%
	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. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After contact with skin

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

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

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

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

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Remove all sources of ignition. Provide adequate ventilation. Wear a self-contained breathing apparatus and chemical protective clothing.

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

Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. After work, wash hands and face. 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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL
123-86-4	Butyl acetate	150	724		TWA (8 h)	WEL
		200	966		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		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: NBR (Nitrile 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. NBR (Nitrile rubber)

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:	black
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:	<0 °C
Auto-ignition temperature:	365 °C
Vapour pressure:	2100 hPa
(at 20 °C)	
Vapour pressure:	4900 hPa
(at 50 °C)	
Density (at 20 °C):	0,88 g/cm ³

9.2. Other information

Keine weiteren relevanten Informationen verfügbar.
No further relevant information available.

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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

Serious eye damage/eye irritation: Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Repeated exposure may cause skin dryness or cracking.

Irritating to eyes. Vapours may cause drowsiness and dizziness.

Sensitising effectsBased 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

May cause drowsiness or dizziness. (n-butyl acetate)

No data available

STOT-repeated exposure

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

Has degreasing effect on the skin. Frequently or prolonged contact with skin may cause dermal irritation.

Aspiration hazardBased 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

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Additional information on tests

No data available

Practical experience

No data available

11.2. Information on other hazards**Other information**

Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

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

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
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

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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

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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

Keine weiteren relevanten Informationen verfügbar.

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, Entry 75

Directive 2004/42/EC on VOC in
paints and varnishes:

16,67 % (146,696 g/l)

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

SECTION 16: Other information**Abbreviations and acronyms**

Flam. Gas: Flammable gases

Aerosol: Aerosols

Flam. Liq: Flammable liquids

Eye Irrit: Eye irritation

STOT SE: Specific target organ toxicity - single exposure

Relevant H and EUH statements (number and full text)

H220 Extremely flammable gas.

H222 Extremely flammable aerosol.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H229 Pressurised container: May burst if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

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