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According to Article 31 of the Regulation (EC) No. 1907/2006 (REACH), a Safety Data Sheet (SDS) must be provided for hazardous substances or preparations. This product does not meet the classification criteria of the Regulation (EC) No. 1272/2008 (CLP). Therefore, such document is outside the scope of Article 31 of REACH and the requirements for content in each section do not apply.

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

1.1 Product identifier

Product form : Substance
Trade name/designation : Carbon black
EC No. : 215-609-9
CAS No. : 1333-86-4
REACH registration No. : 01-2119384822-32-XXXX
Product code : **Carbon black grades:** N115, N120, N121, N134, N220, N220FA, N234, N299, N326, N330, N339, N347, N375, N539, N550, N650, N660, N762, N772, N774
OMCARB® line grades: S500, S500A, S500FA, S600FA, S700, S700FA, S800, S810, S820, H80, H100, C40, C50, C60, C70, C80, C140, CH85, CH200, CH210, CH600, P72, P80, P108, P110, P140, P300
FairBlack line grades: R012, R013, R021, R022, R023, R027, R035, R056, R067
Synonymes : Furnace black
Nanoform : Carbon black is classified as a nanoform by Commission Regulation (EU) 2018/1881

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

1.2.1 Relevant identified uses

Use of the substance/mixture : Fillers
Pigment
Reagent

1.2.2 Uses advised against

Uses advised against : Pigment tattoo ink

1.3 Details of the supplier of the safety data sheet

Only representative : Techuglerod Kft.
Pauler utca 12 szam, 3 emelet, 1 ajto
1013 Budapest, Hungary
T: +36 (1) 217-68-02
F: +36 (1) 217-68-02
techuglerod@gmail.com

Manufacturer : Omsk Carbon Group
Contact data — see Section 16

Person In Charge : Quality Director
Ms. Larisa Kokorina
T: +7 (3812) 91-02-70
l.kokorina@omskcarbon.com

1.4 Emergency telephone number


Emergency number : Omsk Carbon Group OOO Russia: +7 (3812) 91-02-70
Only available during office hours (8:00–17:00 GMT +6)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Not classified

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2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 (CLP)

Not applicable

2.3 Other hazards

This substance is classified as hazardous as a **combustible dust** by the United States 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada's Worker Hazardous Material Information System 2015 (WHMIS 2015).

The signal word, hazard statement and precautionary statements in the United States and Canada are:

WARNING May form combustible dust concentrations in air. Keep away from all ignition sources including heat, sparks and flame. Prevent dust accumulations to minimize explosion hazard.

On combustion, may form hazardous decomposition products: carbon monoxide, carbon dioxide, sulphur oxides. Reacts with strong oxidants such as chlorates, bromates and nitrates.

SECTION 3: Composition / information on ingredients

3.1 Substance

Substance name : Carbon black
CAS No. : 1333-86-4
EC No. : 215-609-9

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 (CLP)
carbon black	(CAS No.) 1333-86-4 (EC No.) 215-609-9 (REACH No.) 01-2119384822-32-XXXX	100	Not classified

Additional information required for registered nanoforms of a substance

Name of (set of) nanoform(s)	Carbon black (solid: nanoform, no surface treatment)
Number based particle size distribution	
d10	11–39 nm
d50	19–61 nm
d90	31–103 nm
Shape	Spheroidal
Crystallinity	Amorphous, not crystalline
Surface treatment	None
Specific surface area	30–320 m ² /g


3.2 Mixture

Not applicable

SECTION 4: First aid measures

4.1 Description of first aid measures

Additional advice : First aider: Pay attention to self-protection. Concerning personal protective equipment to use, see section 8. Never give anything by mouth to an unconscious person or a person with cramps. In case of doubt or persistent symptoms (Section 4.2), consult always a physician. Show this safety data sheet to the doctor in attendance. Treat symptomatically.

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Inhalation	: Remove person to fresh air and keep comfortable for breathing. In case of doubt or persistent symptoms, consult always a physician.
Skin contact	: Gently wash with plenty of soap and water. In case of doubt or persistent symptoms, consult always a physician.
Eye contact	: Rinse immediately carefully and thoroughly with eye-bath or water. In case of doubt or persistent symptoms, consult always a physician.
In case of ingestion	: Do NOT induce vomiting. If swallowed, rinse mouth with water (only if the person is conscious). If conscious, give the exposed person several glasses of water. Never give anything by mouth to an unconscious person or a person with cramps. In case of doubt or persistent symptoms, consult always a physician.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation	: The following symptoms may occur: cough.
Skin contact	: The following symptoms may occur: irritation, dry skin.
Eye contact	: The following symptoms may occur: Dust contact with the eyes can lead to mechanical irritation, tears.
Ingestion	: Ingestion is not considered a potential route of exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Not required

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	: Carbon dioxide (CO ₂), powder, alcohol-resistant foam, hazy water.
Unsuitable extinguishing media	: Strong water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards	: May not be obvious that product is burning unless material is stirred and sparks are apparent.
Hazardous decomposition products in case of fire	: Carbon monoxide. Carbon dioxide. Sulphur oxides.

5.3 Advice for firefighters

Firefighting instructions	: Evacuate area. Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding. Prevent fire-fighting water from entering environment. May not be obvious that product is burning unless material is stirred and sparks are apparent. Be careful, the product may re-ignite (48 h).
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.
Other information	: Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation. Forms slippery/greasy layers with water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel


For non-emergency personnel	: Evacuate unnecessary personnel. Keep upwind. Provide adequate ventilation. Wear recommended personal protective equipment. Concerning personal protective equipment to use, see section 8. Avoid contact with skin and eyes. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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6.1.2 For emergency responders

For emergency responders	: Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.
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6.2 Environmental precautions

Do not allow to enter into surface water or drains. Notify authorities if product enters sewers or public waters.

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6.3 Methods and material for containment and cleaning up

- For containment : Knock down/dilute dust cloud with water spray. Forms slippery/greasy layers with water.
- Methods for cleaning up : Clean-up methods — small spillage: Dust deposited may be vacuum cleaned (HEPA-filter). Clean-up methods — large spillage: Take up mechanically, placing in appropriate containers for disposal. Shovel into suitable and closed container for disposal. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). This material and its package must be disposed of in a safe way, and as per local legislation. Delivery to an approved waste disposal company.

6.4 Reference to other sections

Concerning personal protective equipment to use, see section 8. Disposal: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling


- Precautions for safe handling : Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Avoid contact with skin and eyes. Take any precaution to avoid contact with Incompatible materials. Avoid release to the environment. Use vacuum to remove dust directly during formation. (HEPA-filter). Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure equipment is adequately grounded. Fine dust is capable of penetrating electrical equipment and may cause electrical shorts. Avoid exceeding of the given occupational exposure limits (carbon black, carbon monoxide). Prevent deposition of dust.
- Hygiene measures : Keep good industrial hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking. Take food in areas specially designed for the purpose. Shower at the end of working. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities

- Technical measures : Equipment and conveyor systems shall be earthed.
Electrical equipment that is at risk of carbon black dust penetration shall be furnished with tight seal or shall be periodically flushed with compressed air. See section 10.4.
- Storage conditions : Store carbon black in conditions preventing it from contamination and moisture attack (precipitation and other sources of water, high humidity environment). Keep away from heat and ignition sources. Do not store with incompatible materials.
Prevent deposition of dust on surfaces. In sufficient concentrations carbon black dust may form explosible mixture in air.
Packed carbon black shall be stored in an indoor storage facility for packaged products. Bulk carbon black shall be stored in bulk storage tanks.
It is recommended to organize long carbon black storage (more than 1 month) in indoor warehouses equipped with ventilation systems ensuring temperature within the range of +15–+25°C and relative humidity of the air not exceeding 40%.
- Precautionary measures when entering confined spaces : Ventilate confined spaces, where carbon black is stored, before entering, test for adequate oxygen, flammable gases and potential toxic air contaminants (CO).
- Packaging materials : Suitable materials: polyethylene valve bag, polypropylene big-bags. It is acceptable to use another containers and packing that prevents humidifying of the product and ensures its safety during storage.
- Incompatible materials : Strong oxidizers, e.g. chlorates, nitrates, bromates; volatile substances.

7.3 Specific end use(s)


- Risk management measures : Per Article 14.4 of the REACH Regulation no exposure scenario has been developed as carbon black is not classified as hazardous substance.

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SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Carbon Black (1333-86-4)		
Belgium	Limit value (mg/m ³)	3,5 mg/m ³
Bulgaria	TWA (ACGIH"TLV) (mg/m ³)	3.5 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	3,5 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	7 mg/m ³
Czech Republic	Expoziční limity (PEL) (mg/m ³)	2,0 mg/m ³
Denmark	Grænseværdie (langvarig) (mg/m ³)	3,5 mg/m ³
Estonia	OEL TWA (mg/m ³)	3 mg/m ³
Finland	HTP-arvo (8 h) (mg/m ³)	3,5 mg/m ³
Finland	HTP-arvo (15 min)	7 mg/m ³
France	VME (mg/m ³)	3,5 mg/m ³
Germany	MAK (mg/m ³)	1.0 mg/m ³ (respirable, as annual average); 4.0 mg/m ³ (inhalable, as annual average)
Germany	TRGS 900 (mg/m ³)	6.0 mg/m ³ (respirable); 10 mg/m ³ (inhalable, as 8-hour TWA)
Greece	OEL TWA (mg/m ³)	3,5 mg/m ³
Greece	OEL STEL (mg/m ³)	7 mg/m ³
Hungary	OEL TWA (mg/m ³)	3.5 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	3,5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	7 mg/m ³
Italy	OEL TWA (mg/m ³)	3,5 mg/m ³
Norway	Grenseverdier (AN) (mg/m ³)	3,5 mg/m ³
Norway	Grenseverdier (Korttidsverdi) (mg/m ³)	3,5 mg/m ³
Poland	NDS (mg/m ³)	4,0 mg/m ³
Portugal	OEL TWA (mg/m ³)	3,5 mg/m ³
Slovakia	NPHV (priemerná) (mg/m ³)	2 mg/m ³ (respirable fraction, 5% or less fibrogenic component); 10 mg/m ³ (respirable fraction, greater than 5% fibrogenic component); 10 mg/m ³ (total aerosol)
Spain	VLA-ED (mg/m ³)	3,5 mg/m ³
Sweden	nivågränsvärde (NVG) (mg/m ³)	3 mg/m ³
United Kingdom	WEL TWA (mg/m ³)	3,5 mg/m ³
United Kingdom	WEL STEL (mg/m ³)	7 mg/m ³
Australia	TWA (mg/m ³)	3 mg/m ³
Canada (Ontario)	TWA (mg/m ³)	3 mg/m ³
Canada (Quebec)	VEMP (mg/m ³)	3,5 mg/m ³
Japan — JSOH	OEL TWA (mg/m ³)	4.0 mg/m ³ 1.0 mg/m ³ (respirable)
USA — ACGIH	ACGIH TWA (mg/m ³)	3 mg/m ³
USA — IDLH	US IDLH (mg/m ³)	1750 mg/m ³
USA — NIOSH	NIOSH REL (TWA) (mg/m ³)	3,5 mg/m ³
USA — OSHA	OSHA PEL (TWA) (mg/m ³)	3,5 mg/m ³

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8.2 Exposure controls

Engineering control measures	: Provide adequate ventilation. Organisational measures to prevent / limit releases, dispersion and exposure. Safe handling: see section 7.
Personal protection equipment	: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Hand protection	: Use protective skin cream before handling the product.
Eye protection	: Use suitable eye protection. (EN166): Safety glasses with side shields.
Body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment. Effective dust mask (EN149): FFP2.
Environmental exposure controls	: Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Pellets
Colour	: Black
Odour	: Odourless
Odour threshold	: Not applicable
pH	: 6–9
Relative evaporation rate (butylacetate=1)	: Not applicable
Melting point / freezing point	: Not applicable
Initial boiling point and boiling range	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: >140°C
Decomposition temperature	: Not determined
Flammability (solid, gas)	: Not applicable
Vapour pressure	: Not applicable
Vapour density	: Not applicable
Relative density	: No data available
Density	: 1,7–2,1 g/cm ³ (20°C)
Solubility	: Insoluble in oils / fats Water: insoluble
Partition coefficient n-octanol / water	: Not applicable
Kinematic viscosity	: Not applicable
Dynamic viscosity	: Not applicable
Explosive properties	: Not applicable. The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.
Oxidising properties	: Not applicable. The study does not need to be conducted because there are no chemical groups present in the molecule, which are associated with oxidising properties.
Explosive limits	: LEL: 50 g/m ³ ; UEL: not determined (Dust)

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9.2 Other information

Particle characteristics	: Shape: Spherical Crystallinity: Amorphous, not crystalline Surface treatment: None Range of specific surface area: 30–320 m ² /g Particle size distribution and range: percentiles d10 11–39 nm; d50 19–61 nm; d90 31–103 nm.
Minimum ignition energy	: >1 kJ
Minimum ignition temperature	: >400°C, VDI 2263, dust layer >600°C (BAM), VDI 2263, dust cloud
Dust explosion class (VDI 2263, EC 84/449)	: ST1
Dust deflagration index (Kst)	: 1.8–4.3 MPa·m/s
Maximum explosion pressure	: 700 kPa
Maximum rate of pressure rise	: 6.8–16.1 MPa/s
Burning rate (VDI 2263, EC 84/449)	: >45 s

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under normal conditions. Reference to other sections: 10.4 & 10.5.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur. Exothermic reaction on contact with: Strong oxidizing agents.

10.4 Conditions to avoid

Extremely high temperatures (>300°C). Storage and contact with incompatible materials. Take precautionary measures against static discharge. Prevent deposition of dust. Do not create a dust cloud by using a brush or compressed air. Carbon black dust may form explosible mixture in air. Safe handling: see section 7.

10.5 Incompatible materials

Strong oxidizers, e.g. chlorates, nitrates, bromates; volatile substances. Safe handling: see section 7.

10.6 Hazardous decomposition products

Carbon monoxide. Carbon dioxide. At high temperatures releases: sulphur oxides. Reference to other sections: 5.2.

SECTION 11: Toxicological information

11.1 Information on toxicological effects


Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

Carbon Black (1333-86-4)	
LD50 / oral / rat	>8000 mg/kg

Skin corrosion / irritation : Not classified (Based on available data, the classification criteria are not met)
Rabbit:
Non-irritating to the skin indice 0,6/8
pH: 6–9

Serious eye damage / eye irritation : Not classified (Based on available data, the classification criteria are not met)
Rabbit:
Draize Test
Non-irritating to the eyes (10–17/110 (24h))
pH: 6–9

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

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Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met) Rats, inhalation, 2 years — Effects — Symptoms, lungs: Inflammation, Causes fibrosis and lung tumours in laboratory animals Mice / hamster, inhalation, 12–24 months — Effects — Symptoms, lungs: Tumour will not occur Rats, oral, 2 years — Effects — Symptoms: Tumour will not occur Mice, dermal, 18 months — Effects — Symptoms, Skin: Tumour will not occur

Carbon Black (1333-86-4)	
NOAEL (inhalation, rat, dust / mist / fume, 90 days)	1 mg/m ³ Lungs, effects — Symptoms: Inflammation, hyperplasia, causes fibrosis and lung tumours in laboratory animals

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

Other information : Carcinogenicity: IARC (2B)
ACGIH (A3)

SECTION 12: Ecological information

12.1 Toxicity

Environmental properties : According to the criteria of the European classification and labelling system, the substance / the product has not to be labelled as “dangerous for the environment”

Carbon Black (1333-86-4)	
EC50 algae	>10000 mg/l (72 h) (Scenedesmus subspicatus — OECD 201)
NOEC algae	10000 mg/l (72 h) (Scenedesmus subspicatus — OECD 201)
EC10 activated sludge	ca. 800 mg/l (3 h) (DEV L3 (TTC test))

Carbon Black (1333-86-4)	
LC50 fish	>1000 mg/l Brachydanio rerio (zebra-fish) (96 h) (OECD 203)
EC50 daphnia	5600 mg/l Daphnia magna (big water flea) (24 h) (OECD 202)
EC100 daphnia	10000 mg/l Daphnia magna (big water flea) (24 h) (OECD 202)

12.2 Persistence and degradability

Carbon Black (1333-86-4)	
Persistence and degradability	Not readily biodegradable

12.3 Bioaccumulative potential


Carbon Black (1333-86-4)	
Partition coefficient n-octanol / water	Not applicable
Bioaccumulative potential	Bioaccumulation unlikely

12.4 Mobility in soil

Carbon Black (1333-86-4)	
Mobility in soil	Insoluble

12.5 Results of PBT and vPvB assessment

Carbon Black (1333-86-4)	
This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)	
This substance is not considered to be very persistent nor very bioaccumulating (vPvB)	

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12.6 Other adverse effects

Other adverse effects : According to experience not expected. Not dangerous for the ozone layer

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal recommendations : Do not allow to enter into surface water or drains.
Waste disposal recommendations : Avoid release to the environment. Can be disposed as a solid waste or burned in a suitable installation according to local legislation. Dispose of wastes safely. Safe handling: see section 7. Handle contaminated packages in the same way as the substance itself.
List of proposed waste codes / waste designations in accordance with EWC (2000/532/EC) : 06 13 03 carbon black.

SECTION 14: Transport information

As a part of works to bring carbon black's transport hazard classification in compliance with international requirements, Omsk Carbon Group tested its 6 product samples of various particle sizes and structural properties for self-heating according to the UN method. Based on the results of the tests conducted, carbon black is not a self-heating substance. Being a product of thermal decomposition of liquid hydrocarbon feedstock, carbon black meets the definition of "carbon, non-activated, mineral origin".

14.1 UN number

Absent

14.2 UN proper shipping name

Proper Shipping Name : Not applicable

14.3 Transport hazard class(es)

Carbon, non-activated, mineral origin is not classified as "hazardous cargo" under the following regulations:

RID
ICAO-IT
ADR
ADNR
DOT
IATA
TDG
IMDG


Requirements of International Maritime Dangerous Goods Code (IMDG Code), Chapter 3.3., special provision 925 shall not apply to "carbon, non-activated, mineral origin"

14.4 Packing group

Packing group (ICAO-IT) : Not applicable
Packing group (ADNR) : Not applicable
Packing group (DOT) : Not applicable
Packing group (TDG) : Not applicable
Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5 Environmental hazards

Dangerous for the environment : No
Marine pollutant : No

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Other information : No supplementary information available

14.6 Special precautions for user

Special precautions for user : Observe conditions to preserve containers and packing undamaged and tightly closed

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

Annex II of MARPOL 73/78 : Not applicable

Code: IBC : Not applicable

SECTION 15: Regulatory information

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

15.1.1 EU-Regulations

No REACH Annex XVII restrictions

Carbon Black is not on the REACH Candidate List

Carbon Black is not on the REACH Annex XIV List

15.1.2 National regulations

Switzerland: Nontoxic: G-8938

Germany:

WGK remark : Non-hazardous to water

12th Ordinance Implementing the Federal Immission Control Act — 12. BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands:

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen — Borstvoeding : The substance is not listed


NIET-limitatieve lijst van voor de voortplanting giftige stoffen — Vruchtbaarheid : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen — Ontwikkeling : The substance is not listed

15.2 Chemical safety assessment

EU Chemical Safety Assessment : Per Article 14.1 of the REACH Regulation a Chemical Safety Assessment has been carried out

EU Exposure Scenarios : Per Article 14.4 of the REACH Regulation no exposure scenario has been developed as carbon black is not classified as hazardous substance

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SECTION 16: Other information

16.1 Contact data

Omsk Carbon Group — Headquarters : Omsk Carbon Group OOO
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T: +7 (3812) 91-02-55
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T: +375 (222) 74-87-48
mogilev@omskcarbon.com

Abbreviations and acronyms:

ACGIH	American Conference of Governmental Industrial Hygienists
AND	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADNR	Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Classification, Labelling and Packaging Regulation according to 1272/2008/EC
EC10	Effective concentration to 10% of test organisms
EC50	Median Effective Concentration
EC100	Effective concentration to 100% of test organisms
EL50	Median effective level
EWC	European waste catalogue
HEPA	High-efficiency particle absorption
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC50	Median lethal concentration
LD50	Median lethal dose
LEL	Lower Explosive Limit / Lower Explosion Limit
NOEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
OEL	Occupational Exposure Limits — Short Term Exposure Limits (STELs)
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations on International Carriage of Dangerous Goods by Rail (Règlement concernant le transport international ferroviaire des marchandises dangereuses)
STOT	Specific Target Organ Toxicity
TDG	Transportation of Dangerous Goods Act and Regulations, Canada
TWA	Time weighted average
UEL	Upper Explosion Limit / Upper Explosive Limit

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VOC	Volatile organic compounds
WGK	Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)

Sources of key data used to compile the datasheet : Name (SDS): Carbon Black. Manufacturer / Supplier: Omsk Carbon Group OOO.

Other information : In the event of any conflict between the English and other language versions, the English version shall prevail.

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