



**INFORMATION DATASHEET**  
**CARBON BLACK**

Valid Issue: version: 2.2  
15.11. 2023

This document does not necessarily comply with the requirements of Regulation (EC) No. 1907/2006, article 31, (REACH), as the product, for which it was prepared, is not classified as hazardous.

replaces: 16. 05. 2023 – 2.1 issue  
issued on: 05/ 31/2019

According to article 31 of Regulation (EC) No. 1907/2006 (REACH), Safety Data Sheet (SDS) has to be issued for hazardous substances and mixtures. The product in question does not meet the classification criteria according to Regulation (EC) No. 1272/2008 (CLP). That is why this document does not fall under the stipulations of Article 31 of the REACH Regulation and the requirements related to the content of individual elements described in Appendix II of the REACH Regulation, as amended, do not apply to it.

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

The table shows identifiers (names and identification numbers) of the product that is being put on the market under the following trading name:

**CARBON BLACK**

IDENTIFIER	IDENTIFICATION NAME	IDENTIFICATION NUMBER
Registration	Carbon Black	REACH registration No.: 01-2119384822-32-0043
Harmonized classification	not on the list	no index number
International chemical name	Carbon Black	CAS No.:1333-86-4 EC No.: 215-609-9
Trade names	Carbon Black Chezacarb Advanced Conductive (AC-10, AC-20, AC-30, AC-50, AC-60, AC-70, AC-80, AC-90, AC-95)	

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

2.1.1. Determined application

Industrial and professional applications.

2.1.2. Not recommended application

Product must not be used as pigment in Tattoo colours for human.

**1.3. Details of the supplier of the safety data sheet**

- manufacturer: ORLEN Unipetrol RPA s.r.o., Záluží 1, 436 70 Litvínov, Czech Republic

ID NO :27597075

☎: +420 476 161 111 fax:+420 476 619 553

Email: [info@orlenunipetrol.cz](mailto:info@orlenunipetrol.cz)

[www.orlenunipetrolrpa.cz](http://www.orlenunipetrolrpa.cz)

- Director of the Monomers and Chemicals Unit ☎: ++48 242 566 615; [Dorota.Smolarek@orlen.pl](mailto:Dorota.Smolarek@orlen.pl)
- Chezacarb Sales Manager: ☎: +420 476 166 781; [Lenka.Blazkova@orlenunipetrol.cz](mailto:Lenka.Blazkova@orlenunipetrol.cz)
- Customer Service Department Manager: ☎: +420 476 162 006; [Lucie.Markova@orlenunipetrol.cz](mailto:Lucie.Markova@orlenunipetrol.cz)
- Person professionally qualified to compile a SDS: e-mail: [reach.unirpa@orlenunipetrol.cz](mailto:reach.unirpa@orlenunipetrol.cz)

**1.4. Emergency telephone number**

- ORLEN Unipetrol RPA, s.r.o. ☎:+420 476 163 111 (NON STOP)
- Toxicological Information Center (TIS) ☎:+420 224 919 293 (NON STOP)  
Na bojišti 1, 120 00 Prague 2, Czech Republic ☎:+420 224 915 402 (NON STOP)  
e-mail: [tis@vfn.cz](mailto:tis@vfn.cz)



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- Transport Information & Accident System (TRINS) ☎:+420 476 163 111 (NON STOP)

*Note: Emergency telephone numbers for EU countries are listed in section 16.*

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

The product is not classified as hazardous according to Regulation (EC) No. 1272/2008 CLP.

### 2.2. Label elements

The product is not classified as hazardous and that is why the labelling obligation pursuant to Regulation (EC) No. 1272/2008 CLP does not apply.

### 2.3. Other hazards

The product is capable of burning.

Settled carbon black dust is hardly ignitable, but spreads fire very readily. Turbid dust is not ignitable even to 640°C and it is not ignitable through electrostatic spark up to 40 J of energy at standard conditions. Dust is inexplusive at initiatory energy up to 9 kJ and has a low rate of pressure rise.

The product is prone to self-ignition when stored in larger layers at elevated ambient temperatures (from 292°C critical temperature for a 5 cm layer; from 247°C critical temperature for a 10 cm layer). When stored at normal operating temperatures, the risk of spontaneous combustion is unlikely.

The substance is not included in the candidate list pursuant to Article 59 (Paragraph 1) of the REACH Directive (SVHC substances).

The product does not fulfil the criteria for substances that are persistent, bio accumulative and toxic (PBT substances) or substances that are highly persistent and highly bio accumulative (vPvB).

## SECTION 3: COMPOSITION/INFORMATION ABOUT INDIVIDUAL ELEMENTS

### 3.1. Substances

Carbon black is not hazardous according to Regulation (EC) No. 1272/2008 CLP, moreover, it does not contain any hazardous impurities in concentrations that would have an impact on its classification or substances, with exposition limits specified by the European Community.

Name of the substance:	Carbon Black
Purity [% hm.] :	97,2 - 99,1
Index number (index):	-
CAS number:	1333-86-4
EC number:	215-609-9

#### IMPURITIES

#### NAME:

#### IDENTIFIER :

*The product does not contain any impurities, stabilizing additives or other components, which would have an impact on its classification.*

*Note: The substance is not or not contain a nanoform.*

*Note: Specific concentration limits (SCL), M-factor (M-) and Acute toxicity estimate (ATE) were not determined for this substance (harmonized classification).*

The product does not meet the definition of nanoforms according to Regulation (EU) No 2018/1881. Assessment has been done based on knowledge which we know in this time.

### 3.2. Mixtures

Not applicable, the product is a substance.

## SECTION 4: FIRST AID INSTRUCTIONS

### 4.1. Description of first aid measures

#### 4.1.1. General instructions

When providing first aid pay attention to self-protection.

Call emergency medical services (☎120 EU) and follow their instructions until their arrival. First aid must be always administered with the objective to preserve the basic bodily functions - should the victim become unconscious or should he/she stop breathing, start resuscitation immediately (chest compression and mouth-to-mouth resuscitation with the 30:2 ratio). When the victim is unconscious but is breathing NORMALLY, put him/her in the recovery position. The condition of the patient can change very quickly, so you need to watch him/her constantly and continuously monitor his/her consciousness status and breathing.

If the person is in unconscious or if he/she has spasms, do not put anything in his/her mouth, just put him/her into a stabilised position.

#### 4.1.2. Inhalation

*symptoms: mechanical irritation*

Remove patient to fresh air, rinse eyes, mouth and nasal cavity with lukewarm water, not to let him get cold through. Consult a doctor in case of persisting troubles.

#### 4.1.3. Skin contact

*symptoms: mechanical irritation*

Take off all contaminated clothing and footwear. Flush effected area with water (preferably lukewarm) and soap. Consult a doctor in case of persisting troubles.

#### 4.1.4. Eye contact

*symptoms: mechanical irritation*

Immediately flush eyes wide open with running lukewarm water for at least 15 minutes. Protect unharmed eye. If patient has contact lenses, they must be removed before flushing. Consult a doctor.

#### 4.1.5. Swallowing

*symptoms: possible irritation*

This exposure is not expected for professional and industrial use of the product. Should you consume a large amount of the product anyway, ensure professional medical assistance.

If patient is conscious, flush out mouth with water, do not try to induce vomiting. If vomiting occurs spontaneously, put patient into a stabilised position to prevent aspiration of vomits. Consult a doctor.

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

When used under standard conditions, there are no acute or chronic unfavorable impacts on human health. When used in a negligent manner, only eyes or skin can become irritated. Inhaling the dust can irritate your breathing organs.

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

None.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Suitable fire extinguishing substances: foam, powder, water spray for large fires.


Unsuitable fire extinguishing substances: direct water flow.

### 5.2. Special hazards arising from the substance or mixture

Development of pungent irritant smoke and possible formation of carbon monoxide and carbon dioxide.

### 5.3. Advice for firefighters

Firemen protective aids: complete protective suit and insulation breathing apparatus.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with the substance. Use all recommended personal protective equipment when working on accidental disposal. Wet carbon black produces very slippery walking surfaces.

### 6.2. Environmental precautions

Do not flush scattered material to the sewerage system.

### 6.3. Methods and material for containment and cleaning up

Sweep or vacuum the scattered material and place it in a suitable dry container for further processing or later liquidation. Liquidate it in compliance with the valid legal regulation related to waste.

### 6.4. Reference to other

For recommended personal protection aids, see Subsection 8.2. (“Exposure controls”).

For recommended waste liquidation manner, see Section 13 (“Disposal considerations”).

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

The product is not classified as hazardous according to the criteria of Regulation (EC) No. 1272/2008 - CLP. No specific risk management measures are thus required. Despite of this fact, exposure of employees to the product during individual work procedures should be minimized by observing personal hygiene measures and corresponding industrial hygienic practices:

- Do not eat, drink or smoke while working;
- Thoroughly wash your hands and uncovered parts of your body after work and before eating with soap and water;
- Do not wear polluted clothes, footwear and protective aids to eating areas.

Observe fire protection measures and use the recommended personal protection aids. Ensure that the product does not leak into the environment.

### 7.2. Conditions for safe storage, including any incompatibilities

For safe handling and storage all fire-fighting measures (no smoking, do not handle with naked flame and remove all possible sources of ignition) should be observed and should be taken care to avoid contact with product (use personal protective equipment).

Product should be stored in dry and well-ventilated place with effective exhaust, away from heat sources. You should store in roofed areas protected from direct sunshine and not store together with oils, other flammable material or oxidizing agents. Do avoid contact with water, oils or oxidising agents. It is recommended to process this material preferably, to prevent initiation of a self-ignition process, if large amounts are stored.

The product is prone to self-ignition when stored in larger layers at elevated ambient temperatures (from 292°C critical temperature for a 5 cm layer; from 247°C critical temperature for a 10 cm layer). When stored at normal operating temperatures, the risk of spontaneous combustion is unlikely.

Based on the results of the tests performed, according the RID/ADR regulations the substance is not classified in class 4.2. self-igniting substances.

### 7.3. Specific end use(s)

Industrial and professional applications.

Product must not be used as pigment in Tattoo colours for human.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

The following Permissible Exposure Limits (PELs) and Maximum Allowable Concentrations (NPK-P)



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of Chemicals in the Atmosphere of Workplaces within the Czech Republic are set by the Government Regulation No. 361/2007 Coll., determining conditions of occupational health protection, as amended:

Carbon black dust	PEL <sub>r</sub> [mg.m <sup>-3</sup> ]	PEL <sub>c</sub> [mg.m <sup>-3</sup> ]
Czech Republic (Government Regulation No. 361/2007 Coll.)	-	2
European Union (Regulation 2000/39/ES)	Limiting values are not specified	

Decomposition products:	NAME / CAS NUMBER:	PEL [mg.m <sup>-3</sup> ]	NPK-P [mg.m <sup>-3</sup> ]
	Carbon monoxide / 630-08-0	23	117
	Carbon dioxide / 124-38-9	9 000	45 000

Note: An explanation of the meaning of the PEL and NPK-P abbreviations is in section 16.

PEL<sub>r</sub>: Acceptable exposure limit for the dust respirable fraction

PEL<sub>c</sub>: Acceptable exposure limit for the total dust concentration

Note: Occupational exposure limit values for EU countries are listed in section 16.

### 8.1.2. DNEL/DMEL values

The DNEL value for workers: DNEL = < 2.0 mg/m<sup>3</sup> (inhalable fraction).

### 8.1.3. PNEC values

PNECs were not established because no risk was identified for any of the environmental compartments.

## 8.2. Exposure control

### 8.2.1. Technical protective measures for limiting exposure of people and of the environment

Sufficient ventilation, making sure that the acceptable exposure limit specified for the polyethylene dust is not exceeded. Should the ventilation be insufficient, an effective local suction system has to be installed.

### 8.2.2. Individual protective measures

Should the exposure increase due to an accident or extraordinary event, the employees have to have personal protections aids (PPA) available to them for protecting their breathing organs, eyes, hands and skin. These aids have to correspond to the character of the conducted activities. Suitable protection of the breathing organs has to be also available whenever it is not possible to ensure compliance with the exposure limits specified for the work environment by technical means. All PPA have to be always maintained in a usable condition. Damaged or dirty PPA have to be immediately replaced.

#### RECOMMENDED PERSONAL PROTECTION AIDS (PPA):

- *Protection of air passages:* No protection of air passages is required under normal circumstances; should there be a possibility of exceeding the given exposure limit, a dust respirator should be used (type P); when rectifying consequences of extraordinary events / accidents, insulation breathing apparatus should be used
- *Protection of eyes / face:* protective goggles with a side protection (EN166)
- *Protection of skin - hands:* protective gloves (EN374)
- *Protection of other body parts:* protective work clothes and footwear
- *Thermal hazard:* not relevant for the intended use

## SECTION 9: PHYSICAL AND CHEMICAL CHARACTERISTICS

### 9.1. Information on basic physical and chemical properties

The information is taken from the registration dossier of substance (CSR) unless otherwise stated.



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CHARACTERISTIC	UNIT	VALUE	SOURCE	NOTE
Physical state		solid product		at 20°C; 101,3 kPa
Colour		black		
Odour		Without odour		
Odour threshold	[mg.m <sup>-3</sup> ]	Not relevant		
Melting point/freezing point	[°C]	3 652- 3 697	CSR	sublimation
Boiling point or Initial boiling point / boiling range	[°C]	Not relevant	CSR	
Flammability (solid, gas, liquid)		capable of burning/igniting	CSR	
Upper flammability / explosive limits	[% obj]	Not relevant		
Lower flammability / explosive limits	[% obj]	Not relevant		
Flash point	[°C]	to 750 no inflammation	own tests	granules
Auto-ignition temperature	[°C]	to 750 no inflammation (granules) to 400 no ignition (settled dust) min. 640 (turbid dust)	own tests	
Decomposition temperature	[°C]	Not relevant		
pH value		6,5 – 9,5	own tests	10% suspension
Kinematic viscosity	[mm <sup>2</sup> /s]	Not relevant	CSR	
Solubility in water	[mg.l <sup>-1</sup> ]	Insoluble	CSR	
Partition coefficient: n-octanol/water	[log Kow]	Not relevant – anorganic substance	CSR	
Vapour pressure	[Pa]	Not relevant	CSR	
Relative density		1,80-1,98	CSR	
Vapour density	Air=1	Not relevant	CSR	
Particle characteristics		0.5 – 2.5 mm sized pellet form. It consists of primary particles that are tightly bound into aggregates. The measured size of the aggregates is in a range approximately 60 - 500 nm. D50: 144 nm/ 194 nm / 229 nm	own tests	The product does not meet the definition of nanoforms according to Regulation (EU) No 2018/1881.

## 9.2. Other information

### 9.2.1. Information with regard to physical hazard classes

CHARACTERISTIC	UNIT	VALUE	NOTE
Explosive characteristics: Constant Kst according to ČSN EN 14034-2 + A1 Explosion class (dust)	[m.bar.s <sup>-1</sup> ]	72 St1	own tests
Oxidation characteristics		None – anorganic substance	CSR
Minimum initial energy of ignition	[J]	Over 40	own tests
Glowing temperature	[°C]	360	own tests
Speed of flame propagation	[cm.s <sup>-1</sup> ]	4,17	own tests
Maximal explosive pressure	[bar]	6,70	own tests

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#### 9.2.2. Other safety characteristics

CHARACTERISTIC	UNIT	VALUE	NOTE
Dynamic viscosity	[mPa.s]	Not relevant	CSR
Bulk density	[g.l <sup>-1</sup> ]	min. 105	own tests
Heat value	[MJ.kg <sup>-1</sup> ]	33-34,4	own tests

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

There is no risk of reactivity, provided the handling and storage conditions in Section 7 are maintained.

#### 10.2. Chemical stability

The product is chemically stable during storage and handling under the conditions described in Section 7.

#### 10.3. Possibility of hazardous reactions

No hazardous reactions occur during storage and handling under the conditions described in Section 7.

#### 10.4. Conditions to avoid

Ignition sources. Prevent exposure to high temperatures and open flames.

#### 10.5. Incompatible materials

Oils, oxidizing agents (chlorates, bromates, and nitrates).

#### 10.6. Hazardous decomposition products

Thermal decomposition under high temperatures, for example, during fire, can cause formation of carbon monoxide and carbon dioxide.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

##### 11.1.1. Toxicological effects of the substance / mixture

HAZARD CLASS	IMPACT ON HEALTH	JUSTIFICATION
Acute toxicity	Based on the available information, the product does not have to be classified as acutely toxic	Does not meet the classification criteria
Causticity / skin irritability	Based on the available information, the product does not have to be classified as caustic or a skin irritant	Does not meet the classification criteria
Serious eye damage / eye irritation	Based on the available information, the product does not have to be classified as eye damaging or eye irritant	Does not meet the classification criteria
Sensibilization of the air passages / skin sensitization	Based on the available information, the product does not have to be classified as causing sensitization	Does not meet the classification criteria
Mutagenicity in embryonic cells	Based on the available information, the product does not have to be classified as mutagenic	Does not meet the classification criteria
Carcinogenicity	Based on the available information, the product does not have to be classified as carcinogenic	Does not meet the classification criteria
Toxicity for reproduction	Based on the available information, the product does not have to be classified for unfavourable impacts on fertility or embryo development	Does not meet the classification criteria
Toxicity for specific target organs – one- time exposure	Based on the available information, the product does not have to be classified for its ability to damage human organs upon one-time exposure	Does not meet the classification criteria



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HAZARD CLASS	IMPACT ON HEALTH	JUSTIFICATION
Toxicity for specific target organs – repeated exposure	Based on the available information, the product does not have to be classified for its ability to damage human organs upon repeated exposure	Does not meet the classification criteria
Hazardous when inhaled	Based on the available information, the product does not have to be classified as hazardous when inhaled	Does not meet the classification criteria

### 11.2. Information on other hazards

The substance is not included in the candidate list pursuant to Article 59 (Paragraph 1) of the REACH Directive (due to the characteristics that can compromise endocrine activities or due to any other reason).

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Currently, there is no information available that would demonstrate that the product is harmful for the environment.

### 12.2. Persistence and degradability

No information is available.

### 12.3. Bioaccumulation potential

Currently, there is no information available that would demonstrate that the product has bioaccumulation potential. The physical and chemical properties of non-nanoforms of carbon black do not indicate a potential to diffuse through membranes of aquatic or terrestrial organisms, because of its inertness, and insolubility in both water and organic solvents.

### 12.4. Mobility in soil

Data are not available.

### 12.5. Results of PBT and vPvB assessment

The product does not fulfil the criteria for substances that are persistent, bio accumulative and toxic (PBT substances) or substances that are highly persistent and highly bio accumulative (vPvB).

### 12.6. Endocrine disrupting properties

The substance is not included in the candidate list pursuant to Article 59 (Paragraph 1) of the REACH Directive due to the characteristics that can compromise endocrine activities.

### 12.7. Other adverse effects

The product is not considered a hazardous and harmful substance according to Appendix I of the Water Act (Act No. 254/2001 Coll.).

WGK: nwg (not dangerous for water)

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste management methods

If the remainder of the product is to be disposed (eg unused or leaked product), the valid European Union and national legislature as well as locally valid regulations have to be complied with. Deliver the waste for disposal to a professionally qualified person /to facility with the appropriate authorization to manage waste.

Recommended waste classification pursuant to COMMISSION DECISION of 18 December 2014, amending Decision 2000/532/EC on the list of waste pursuant to Directive 2008/98/EC of the European Parliament and of the Council:

#### 13.1.1. Catalogue number

06 13 03 Carbon black manufactured.

06 13 02 Spent activated carbon.





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13.1.2. Recommended waste removal method

Hand the waste over for liquidation to an appropriately qualified entity with the corresponding authorization.  
Energy utilization.

13.1.3. Recommended methods of contaminated containers disposal

Energy utilization.

13.1.4. Measures for limiting exposure while handling the waste

Do not flush the product that has leaked during an extraordinary event or an accident into the sewerage system. Proceed in compliance with the instructions stated in Section 6 (“Accidental release measures”) and Subsection 8.2 (“Limiting exposure”) and observe all valid legal regulations related to the protection of people, air and water.

*WARNING: The stated information is of a recommendation character. It is related to the delivered, still unused material. Pursuant to the Waste Act, all responsibilities for managing the waste, including its assignment based on its type and category, are responsibilities of the waste originator.*

## SECTION 14: TRANSPORT INFORMATION

The product does not represent a hazardous item according to transport regulations.

Based on the results of the tests performed, according the RID/ADR regulations the substance is not classified in class 4.2. self-igniting substances.

<b>14.1. UN number or ID number</b>	Not relevant
<b>14.2. UN proper shipping name</b>	Not relevant
<b>14.3. Transport hazard class(es)</b>	Not relevant
<b>14.4. Packing group</b>	Not relevant
<b>14.5. Environmental hazards</b>	Not relevant
<b>14.6. Special precautions for user</b>	Not relevant
<b>14.7. Maritime transport in bulk according to IMO instruments:</b>	the product is not designated for bulk transport pursuant to the International Maritime Organization (IMO) documents
<b>14.8. Other information</b>	None.

## SECTION 15: REGULATORY INFORMATION

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

15.1.1. European Union

Regulation of the European Parliament and Council (EC) No. 1907/2006 (REACH), as amended

REGISTRATION (HEAD II, REACH REGULATION)

The product has been fully registered as a substance.

APPROVALS (HEAD VII, REACH REGULATION)

The product is not on the list of substances included in Annex XIV of Regulation (EC) No. 1907/2006 REACH, and therefore there is no obligation to apply for authorization of its production and use.

RESTRICTIONS (HEAD VIII, REACH REGULATION)

The product is not subject to any restrictions on manufacture, placing on the market or use stated in Annex XVII of the Regulation (EC) No 1907/2006 of the European Parliament and of the Council (REACH).

Regulation of the European Parliament and Council (EC) No. 1272/2008 (CLP), as amended

Based on the stated regulation, the product is not classified as hazardous and that is why no obligations related to wrapping and package labelling apply to it.



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Regulation of the European Parliament and Council (EC) No. 649/2012, on Exporting and Importing Hazardous Chemical Substances, as amended

The product is not subject to any special export and import stipulations.

Commission Decision of 18 December 2014, amending Decision 2000/532/EC on the list of waste pursuant to Directive 2008/98/EC of the European Parliament and of the Council

Implemented into Act No. 541/2020 Coll., on Waste.

15.1.2. Czech Republic

Act No. 350/2011 Coll. on Chemical Substances and Chemical Mixtures, as amended

*the product is not subject to the obligation of notification to the information system PCN (Poison centres notification)*

Act No. 258/2000 Coll. on the Protection of Public Health, as amended

Act No. 254/2001 Coll., on Water, as amended

Act No. 201/2012 Coll., on Air Protection, as amended

Act No. 541/2020 Coll., on Waste, as amended

Decree of Ministry of Environment no. 8/2021 Coll. laying down Waste Catalogue, as amended

Governmental decree no. 361/2007 Coll., laying down occupational health and safety conditions

*product has exposure limits;*

Act no. 224/2015 Coll., on prevention of serious accidents caused by selected dangerous chemical substances or mixtures

**15.2. Chemical safety assessment**

The appropriate chemical safety assessment (CSR) was conducted when substance was registered. The substance does not meet the criteria for being classified as a hazardous substance pursuant to Directive (EC) No. 1272/2008 CLP.

**SECTION 16: OTHER INFORMATION**

**Changes adopted as a part of the revision process**

02.01.2021: Revision (1.1) The change of company's business name; updating the new regulations in Article 13 and Article 15;

11/11/2022: Revision (2): – Overall modification of the document in relation to the update of Appendix II of Directive (EC) No. 1907/2006 REACH, by Directive of the Council (EC) No. 2020/878;

16/05/2023: Revision (2.1): – Update of fire technical characteristics in section 9th;

15/11/2023: Revision (2.2): – Update of substance's purity in section 3.2.;

**Acronyms and abbreviations used in the text**

ADR	Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Registration number assigned to the substance by the Chemical Abstracts Service of the American Chemical Society
CLP	EU Directive No. 1272/2008 on Classification, Labeling and Packaging of chemical substances and mixtures, which is implemented into the European legislature by the means of GHS (United Nations' Globally harmonized System) for classifying and labeling chemical substances
CMR	Carcinogenic, mutagenic or toxic for reproduction
ČSN EN (ISO)	European standard incorporated into the Czech technical standards
CSR	Chemical Safety Report
DMEL	Derived minimal effect level - an exposure level that corresponds to a low and possibly theoretical risk, which should be considered as an acceptable risk (for thresholdless effects, i.e. there is no exposure level without effect)
DNEL	Derived no-effect level - level of exposure derived from toxicological data that does not produce any adverse effects on human health




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DW	Data waiving
EC <sub>50</sub>	Effective concentration EC <sub>50</sub> is the concentration of substance that causes immobilization of 50% of individuals
ErC <sub>50</sub>	Effective concentration EC <sub>50</sub> is the concentration of substance that causes 50 % decrease of Algea growth
ECHA	European Chemicals Agency
ES	Official number of the chemical substance in the European Union: EINECS from the European Inventory of Existing Commercial Substances, or ELINCS from the European List of Notified Chemical Substances, or NLP from the No Longer Polymer list
HSDB	Hazardous Substances Data Bank
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
IC <sub>50</sub>	Inhibition concentration IC <sub>50</sub> that causes inhibition of 50% of individuals
ICAO	International Civil Aviation Organization
ICE	"Intervention in Chemical Transport Emergencies" system providing both professional and practical assistance in dealing with emergency situations related to the transport and storage of hazardous chemicals
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organisation
ISO	International Organization for Standardization
LC <sub>50</sub> /LD <sub>50</sub>	Lethal concentration/level is the concentration/level of substance that causes mortality of 50 % individuals
LOEC/LOEL	Lowest Observed Effect Concentration/Level
log Kow	Logarithm of distribution coefficient n-octanol/water
nf	Not feasible
NOAEC/NOAEL	No Observed Adverse Effect Concentration/No Observed Adverse Effect Level
NOEC/NOEL	No Observed Effect Concentration/No Observed Effect Level
NPK-P	The highest permitted concentration of the chemical substance in the air (the concentration of the substance that a worker may be exposed to for a maximum of 15 minutes but which must never be exceeded)
OECD	Organization for Economic Co-operation and Development
OOP	Recommended personal protective aids
OSN	United Nations
(Q)SAR	Quantitative Structure-Activity Relationship
PBT, vPvB	Persistent, bioaccumulative and toxic; high persistent and high bioaccumulative
PCN	Poison Centres Notification – international system for the notification of dangerous mixtures
PEL	Permitted exposure limit of the chemical substance in the air (the exposure value that an employee may be exposed to during the entire working shift (8 hours), without endangering his health during lifetime occupational exposure)
PNEC	Predicted No Effect Concentration
REACH	EU Directive No. 1907/2006 on Registration, Evaluation and Authorization of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STOT	Specific Target Organ Toxicity
STP	Sewage treatment plant
su	Scientifically Unjustified
TRINS	Transport Information and Accident System of the Czech Republic, providing professional and practical assistance in dealing with emergency situations related to transport and storage of hazardous chemical substances, included in ICE
UACRON	Chemical database (The University of Akron).
UFI code	Unique identifier of the composition of the product containing the dangerous mixture (s).
UN	The four-digit identification number of the substance or object identifying hazardous material in international transport

	<b>INFORMATION DATASHEET</b> <b>CARBON BLACK</b>	Valid Issue: version: 2.2 15.11. 2023
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UVCB	Substances of Unknown or Variable composition, Complex reaction products or Biological materials
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#### Data sources used for preparing the material safety sheet

Annexes I, IV, VI and VII to Regulation (EC) No. 1272/2008 CLP, as amended.  
Principles for providing first aid upon being exposed to chemical substances.  
Research data sources (PubChem; CLP notification, ECHA, Gestis sanitary limits).  
Substance registration documentation pursuant to Regulation (EC) No. 1907/2006 REACH;  
Decision of ECHA on registration in accordance with EC Regulation No 1907/2006 REACH;  
Protocols – own tests;

#### Full text of H-/ EUH-sentences and abbreviations of hazard classes stated in Section 2 and/or 3

There are no H-sentences or EUH-sentences included in the text.

#### Occupational exposure limit values for countries (see point 8.1.)














data for Carbon Black (number CAS 1333-86-4)

	8-hour limit [mg.m <sup>-3</sup> ]	Short-term limit [mg.m <sup>-3</sup> ]
European Union (Regulation No. 2000/39/ES as amended)	-	-
Italy	-	-
Germany	-	-
Poland	4 (3)	-
Austria	-	-
Spain	3,5	-
France	3,5	-
Japan (JSOH)	1 (1) 4 (2)	-
United Kingdom	3,5	7

8-hour limit: Measured or calculated in relation to the 8-hour reference period as a timely weighted average  
Short-term limit: Exposure limit value, which shall not be exceeded and which corresponds to a 15-minute period

- (1) Respirable dust  
(2) Total dust: Total dust comprises particles with a flow speed of 50 to 80 cm/sec at the entry of a particle sampler.  
(3) Inhalable fraction

#### Emergency telephone number for EU countries (see subsection 1.4)

National Centers	TELEPHONE	LANGUAGE	Institution / website / email
Belgium 	+070245245	German	<a href="http://www.poissoncentre.be">http://www.poissoncentre.be</a> Centre Antipoisons, c/o Hôpital Militaire Reine Astrid Rue Bruyn 1, 1120 Bruxelles
Czech Republic 	+420/224-919293; 915402	Czech	<a href="http://www.tis-cz.cz">http://www.tis-cz.cz</a> Toxikologické informační středisko (TIS) Na bojišti 1, 120 00 Praha 2 e-mail: tis@vfn.cz
France – Orfila (INRS) 	+33/0145425959	French	"Centres Antipoison et de Toxicovigilance (CapTv) Hôpital Fernand Widal" 200 rue du Faubourg Saint Denis 75010 PARIS viviane.damboise@lrb.aphp.fr
France - Angers 	+33/241482121	French	<a href="http://www.centres-antipoison.net/angers/index.html">http://www.centres-antipoison.net/angers/index.html</a>
France - Bordeaux 	+33/556964080	French	<a href="http://www.centres-antipoison.net/bordeaux/index.html">http://www.centres-antipoison.net/bordeaux/index.html</a>
France - Lille 	+33/0800595959	French	<a href="http://www.centres-antipoison.net/lille/index.html">http://www.centres-antipoison.net/lille/index.html</a>
France - Lyon 	+33/472116911	French	<a href="http://www.centres-antipoison.net/lyon/index.html">http://www.centres-antipoison.net/lyon/index.html</a>
France - Marseille 	+33/491752525	French	<a href="http://www.centres-antipoison.net/marseille/index.html">http://www.centres-antipoison.net/marseille/index.html</a>
France - Nancy 	+33/383225050	French	<a href="http://www.centres-antipoison.net/nancy/index.html">http://www.centres-antipoison.net/nancy/index.html</a>
France - Paris 	+33/140054848	French	<a href="http://www.centres-antipoison.net/paris/index.html">http://www.centres-antipoison.net/paris/index.html</a>
France - Strasbourg 	+33/388373737	French	<a href="http://www.centres-antipoison.net/strasbourg/index.html">http://www.centres-antipoison.net/strasbourg/index.html</a>
France - Toulouse 	+33/561777447	French	<a href="http://www.centres-antipoison.net/toulouse/index.html">http://www.centres-antipoison.net/toulouse/index.html</a>
Ireland 	+353/18092166	English	<a href="http://www.poisons.ie/Public">http://www.poisons.ie/Public</a>



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National Centers		TELEFONE	LANGUAGE	Institution / website / email
Italy - Bergamo		+39/800883300	Italian	Istituto Superiore di sanità – Preparati Pericolosi
Italy - Firenze		+39/0557947819	Italian	
Italy - Milano		+39/02-66101029	Italian	
Italy - Pavia		+39/0382-24444	Italian	
Italy - Napoli		+39/081-5453333	Italian	
Italy - Foggia		+39/800183459	Italian	
Italy - Verona		+39/800011858	Italian	
Italy - Roma		+39/06-49978000, +39/06-3054343	Italian	
Germany		+49/112, +49/116117	German	
Germany - Berlin		+49/3019240	German	<a href="https://giftnotruf.charite.de">https://giftnotruf.charite.de</a>
Germany - Bonn		+49/22819240	German	<a href="http://www.gizbonn.de/index.php?id=272">http://www.gizbonn.de/index.php?id=272</a>
Germany - Erfurt		+49/361730730	German	<a href="https://www.ggiz-erfurt.de/home.html">https://www.ggiz-erfurt.de/home.html</a>
Germany - Freiburg		+49/076119240	German	<a href="https://www.uniklinik-freiburg.de/giftberatung.html">https://www.uniklinik-freiburg.de/giftberatung.html</a>
Germany - Göttingen		+49/55119240	German	<a href="https://www.giz-nord.de/cms/index.php">https://www.giz-nord.de/cms/index.php</a>
Germany – Homburg/Saar		+49/684119240	German	<a href="http://www.uniklinikum-saarland.de/de/einrichtungen/kliniken_institute/kinder_und_jugendmedizin/informations_und_behandlungszentrum_fuer_vergiftungen_des_saarlandes">http://www.uniklinikum-saarland.de/de/einrichtungen/kliniken_institute/kinder_und_jugendmedizin/informations_und_behandlungszentrum_fuer_vergiftungen_des_saarlandes</a>
Germany – Mainz		+49/613119240	German	<a href="http://www.giftinfo.uni-mainz.de/index.php?id=24807">http://www.giftinfo.uni-mainz.de/index.php?id=24807</a>
Germany - München		+49/8919240	German	<a href="http://www.toxinfo.med.tum.de">http://www.toxinfo.med.tum.de</a>
Netherlands		+31/302748888	Dutch	<a href="http://www.productnotification.nl/">http://www.productnotification.nl/</a>
Poland - Kraków		+48/124119999	Polish	<a href="http://www.oit.cm.uj.edu.pl">http://www.oit.cm.uj.edu.pl</a>
Poland – Gdansk		+48/586820404	Polish	<a href="http://www.pctox.pl/news.php">http://www.pctox.pl/news.php</a>
Poland – Poznań		+48/618476946	Polish	<a href="http://www.raszeja.poznan.pl/oddzialy/oddzialtoksykologiczny">http://www.raszeja.poznan.pl/oddzialy/oddzialtoksykologiczny</a>
Poland - Warszawa		+48/607218174	Polish	<a href="mailto:okzit@burdpi.pol.pl">okzit@burdpi.pol.pl</a>
Austria		+43/14064343	German	Austrian Poison Information Centre (Vergiftungsinformationszentrale-VIZ)
Slovakia		+421/254652307	Slovak	<a href="http://www.ntic.sk">http://www.ntic.sk</a>
Spain		+34/915620420	Spanish	Servicio de Información Toxicológica (SIT) Instituto Nacional de Toxicología y Ciencias Forenses (INTCF) C/José Echegaray nº4, 28232 Las Rozas de Madrid Madrid <a href="mailto:sit@mju.es">sit@mju.es</a> / <a href="mailto:intcf@justicia.es">intcf@justicia.es</a>

**Important note**

This document has been prepared based on the explicit request by the customer despite the fact that the supplied product does not meet the criteria for being classified as hazardous according to Regulation (EC) No. 1272/2008 (CLP), or any other condition specified in Article 31 of Regulation (EC) No. 1907/2006 (REACH), which would establish the obligation to provide a safety data sheet. The created document has been prepared for informative purposes only and cannot thus be perceived in any other manner.

**Declaration:** The document includes data that are necessary for ensuring occupational health and safety and protection of the environment. These data do not replace the quality specification and cannot be considered a guarantee of suitability and usability of this product for a particular application. The stated data correspond to the current knowledge and experience and they comply with our valid legal regulations. The consumer is responsible for compliance with the applicable, regional valid legal regulations.