

	MATERIAL SAFETY DATA SHEET pursuant to Regulation of European Parliament and Council of the European Union (ES) no. 1907/2006 (REACH) amended by Regulation of Commission (EU) no. 2020/878	Page 1/10
	Product name:	Issued on: 10.6.2016
	TYRE BLACK	Revision number: 2
		Revised on: 25.11.2022

1. PRODUCT NAME AND COMPANY IDENTIFICATION

1.1 Identification of the substance or preparation

Commercial name: **TYRE BLACK**

1.2 Use of the substance or preparation

Protective and colouring liquid compound for tyres.

1.3 Identification of manufacturer, importer, first distributor or distributor

Manufacturer: Ferdus, s.r.o.
 Address: J. Fučíka 699
 768 11 Chropyně
 Czech Republic
 Phone/Fax: +420 577 103 566

E-mail of the competent person responsible for the Material Safety Data Sheet: info@ferdus.cz; www.ferdus.cz

1.4 Emergency phone number

Toxicology Information Centre in Prague
 Na Bojišti 1, 128 08 Praha 2
 Czech Republic
 Phone: +420 224 919 293

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Pursuant to Regulation (EC) No. 1272/2008 of the European Parliament and of the Council (CLP):

The product is not classified as dangerous.

2.2 Label elements

Pursuant to Regulation (EC) No. 1272/2008 of the European Parliament and of the Council (CLP):

Signal word:	Not required.
Symbol:	Not required.
Additional information on the label:	Not required.
Contains (information which must be listed on the label):	Not required.
H-phrases: (The hazard statements):	Not required.
P-phrases (Precautionary statements):	Not required.

2.3 Other hazards

The mixture is not classified as PBT or vPvB.

The product is not hazardous to health if the usual regulations for the handling of chemical substances are observed.

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3. COMPOSITION OR INGREDIENTS INFORMATION

3.1 Substances

Not filled in.

3.2 Mixtures

Water-based silicone emulsion.

The product does not contain hazardous substances for health and environment in such concentrations that would be a reason to classify the product as dangerous in terms of Regulation 1272/2008 and at the same time that would be a reason to include them in the safety data sheet in terms of Regulation No. 1907/ 2006.

4. FIRST AID MEASURES / FIRST AID INSTRUCTIONS

4.1 Description of first aid

4.1.1 General instructions

In case of health problems, or in case of doubt or accident, seek medical advice and give doctors information on the safety data sheet. In all cases keep the victim of mental rest and warm. If leakage occurs in a confined space is necessary to ensure thorough ventilation and turn off the electrical current. Take care of your own protection when providing first aid.

The affected person is not breathing: artificial respiration must be carried out immediately.

Cardiac arrest: it is necessary to start indirect cardiac massage immediately.

Unconsciousness: it is necessary to place and transport the victim in a stable side position.

4.1.2 When inhaled

Move victim to fresh air. In case of irritation, seek medical attention.

4.1.3 After skin contact

Remove contaminated clothing, wash affected skin with running water and soap.

4.1.4 After eye contact

Immediately flush the eyes with clean water for at least 5-10 minutes. If the eye irritation persists seek medical attention.

4.1.5 After ingestion

Rinse your mouth thoroughly with water. Drink 2-5 dl of cold water. In case of persistent problems, see a doctor.

4.1.6 Other information

a) Immediate medical attention after ingestion.

b) In the case of inhalation is recommended to move exposed person into the fresh air.

c) Remove contaminated clothing.

d) Recommendation protective equipment persons who provide first aid: Choose according to the circumstances of the emergency.

4.2 The most acute and delayed symptoms and effects

Not specified.

4.3 Instruction of immediate medical help and special treatment

Not specified.

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5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable: all common extinguishing media

Unsuitable: no fire extinguisher restrictions are known for this substance

5.2 Special hazards

Is not known

5.3 Instructions for firefighters

Is not a flammable substance

Special protective equipment: does not required

6. SUBSTANCE OR PREPARATION ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protections and emergency procedures

Must be prevented to direct contact with the product. Use personal protective equipment. Prevent further distribution of the product. Ventilate closed spaces.

6.2 Environmental precautions

Prevent leakage into ground, surface and waste water sources, soils and public sewerage.

6.3 Methods and material for containment and cleaning up

Use a spatula or other tool to transfer to a suitable replacement container. Dispose of in accordance with regulations and ordinances. Do not wash with water, if necessary, use salt water or detergents.

6.4 Links to other section

See section 8 a 13.

7. HANDLING AND STORAGE

7.1 Handling instructions

At work is not allowed to drink eat and smoke and it is necessary to maintain personal hygiene. Use personal protective equipment (see sec.8). Ensure good ventilation of the workplace. Avoid contact with skin and eyes. The workplace must be kept clean and exits must be unobstructed.

Advice on protection against fire and explosion

Comply all fire-fighting measures (no smoking, no work with naked flames and remove all possible sources of ignition). Storage areas must meet the requirements of fire safety and electrical equipment comply with the applicable regulations.

7.2 Conditions for safe storage, including incompatible substances and mixtures

Requirements for storage areas and containers

Do not store with food and feed; store in the original packaging at temperatures of 5-25°C in a dry, well-ventilated place, protected from direct sunlight.

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Instructions on common storage

See previous paragraph.

Technical precautions/storage conditions

See previous paragraph.

7.3 Specific end use

The substance should not be used for any other purpose than for which it is intended (see point 1.2.).

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters

Are not established

8.2 Exposure limitation

Technical and hygienic precautions

Where there is any possibility of employees being exposed, it is advisable to provide an eyewash fountain or safety shower in the work area for first aid.

Personal protective equipment

Observe basic hygiene rules: Do not eat, drink or smoke while working. After work, wash your hands with warm water and soap and treat with a suitable repair cream. Follow the safety instructions for working with chemicals.

Respiratory protection

Not required

Hand protection

Protective gloves (e.g. PVC, neoprene, nitrile rubber 0.35 mm).
Protective hand cream.

Eye and face protection

Tight fitting safety glasses.

Skin protection

Protective clothing and shoes. Skin protection depends on how the product is handled and expected exposure. Avoid prolonged or repeated skin contact.

Environmental exposure controls

Waste must be treated at the sewage treatment plant (see section 13).

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information about main physical and chemical properties

a) Substance state

Viscous liquid

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b) Colour	black
c) Odour	mild
d) Melting point / freezing point	Not available
e) Boiling point or initial boiling point and boiling point range	100 °C
f) Flammability	Not flammable
g) Lower and upper explosive or flammable limits	Non-explosive
h) Flash point (°C)	Not applicable
i) Autoignition temperature	437 °C
j) Thermal decomposition	Not applicable
k) pH	4-7
l) Kinematic viscosity	Not applicable
m) Solubility	Miscible with water
n) Partition coefficient n-octanol / water (logarithmic value)	Not applicable
o) Vapour pressure	Not available
p) Density and / or relative density	0,98 – 1,00 g/cm ³ ; (at 20 °C)
q) Relative vapour density	Not applicable
r) Particle characteristics (solids)	Not stated

9.2 Other information

Evaporation rate	Not applicable
Explosive properties	Not applicable
Oxidising properties	Not applicable

9.2.1 Information on physical hazard classes

Not stated

9.2.2 Other safety characteristics

Not stated

10. INFORMATION ON STABILITY AND REACTIVITY

10.1 Reactivity

No hazardous reactions are expected when used appropriately.

10.2 Chemical stability

The product is stable in normal conditions of use and storage. Long-term storage, especially at high temperatures, may cause separation of the emulsion components.

10.3 Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4 Conditions to avoid

Information not available.

10.5 Incompatible materials

Information not available.

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

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11. TOXICOLOGICAL INFORMATION

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

a) acute toxicity

LD50 (oral, rat): data not available

LD50 (dermal, rat or rabbit): data not available

b) skin corrosion / irritation

Non-irritating

c) serious eye damage / eye irritation

Slightly irritating to eyes

d) respiratory sensitization / skin sensitization

It does not meet the criteria for classification.

e) germ cell mutagenicity

It does not meet the criteria for classification.

f) carcinogenicity

It does not meet the criteria for classification.

g) reproductive toxicity

It does not meet the criteria for classification.

h) toxicity of specific target organ – single exposure

It does not meet the criteria for classification.

i) toxicity of specific target organ – repeated exposure

It does not meet the criteria for classification.

j) aspiration hazards

It does not meet the criteria for classification.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Information not available.

11.2.2 Additional information

Information not available.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity – acute toxicity for aquatic organisms and other environments

The product is not classified as dangerous for the environment.

12.2 Mobility

Information not available.

12.3 Persistence and degradability

Information not available.

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12.4 Bioaccumulative potential

Information not available.

12.5 Results of PBT and vPvB

Information not available.

12.6 Endocrine disrupting properties

Information not available.

12.7 Other adverse effects

Avoid release to surface water, ground water and waste water and soil.

13. DISPOSAL INSTRUCTIONS

13.1 Methods of handling waste

Suitable methods of removal of the substance or mixture.

Collect waste in carefully labeled sealed containers. Transmit liquidation to authorized organization. Suitable methods of liquidation: the burning of hazardous waste in an incinerator. During liquidation residual product and its packages is necessary to proceed in accordance with the Waste Act, as amended by the implementing regulations (Decree establishing a catalog of waste; Decree on details of waste management). Suitable cleaning agents: Water. Dilute the rinse water before discharge to the sub-limit concentration of the substance determined for surface water.

Classification of contaminated packaging of the product (remaining contents), acc. to Waste catalogue

080499 Waste from the production, processing, distribution and use of paints (paints, varnishes and enamels), adhesives, sealing materials and printing inks.

13.2 Contaminated packaging disposal methods

Product packaging is not returnable.
Clean the packaging by washing it and sort it into a container for plastic waste.

13.3 The legislation of the waste

Act No. 541/2020 Coll., on the Waste
Decree No. 8/2021 Coll. (Waste Catalogue)
Decree No. 273/2021 Coll. on the Details of Waste Management

14. TRANSPORT INFORMATION

14.1 UN number or ID number

It is not subject to regulations for the transport of dangerous goods.

14.2 Relevant OSN name for shipment

It is not subject to regulations for the transport of dangerous goods.

14.3 Class of transport hazard

It is not subject to regulations for the transport of dangerous goods.

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14.4 Packing group

It is not subject to regulations for the transport of dangerous goods.

14.5 Hazardous to environment

It is not subject to regulations for the transport of dangerous goods.

14.6 Special precautions for user

It is not subject to regulations for the transport of dangerous goods.

14.7 Sea mass transport according to IMO standards

It is not subject to regulations for the transport of dangerous goods.

15. REGULATIONS INFORMATION

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

National regulations:

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

Act No. 541/2020 Coll., on Waste

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

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

Act No. 350/2011 Coll. of 27 October 2011 on Chemical Substances and Chemical Mixtures and on the Amendment of Certain Acts (Chemical Act), as amended

Government Regulation No. 361/2007 Coll., as amended, which sets out the conditions for Health at work, including PEL and NPK limits (see Article 8).

Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals and establishing a European Chemicals Agency, as amended (REACH)

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on Classification, Labelling and Packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).

EU regulations:

Regulation No. 2004/42/EC (VOC): <70%

Regulation (EC) No. 2037/2000 on substance that deplete the ozone layer: none

Regulation (EC) No. 850/2004 on persistent organic pollutants: none

Regulation (EC) No. 649/2012 concerning the export and import of hazardous chemicals

Regulation (EC) No. 1907/2006, REACH, Annex XIV Substances subject to authorisation, as amended: none

Observe the restrictions on the employment of young people under the "Directive on the protection of young people at work" (94/33/EC).

Observe the employment restrictions under the "Maternity Protection Directive" (92/85/EEC) for pregnant workers and workers who have recently given birth or are breastfeeding.

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out for the product.

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16. OTHER INFORMATION

Details about changes and revisions

Revision nr.	Date	The changes
1	10.6.2016	The new Material safety data sheet.
2	25.11.2022	Complete revision of the safety data sheet - Modification of the SDS according to EU Commission Regulation 2020/878. Update of legal regulations. The changes affected all sections of BL. Changes are marked in the BL with a GRAY BASE (does not apply to section headings).

Key or legend to abbreviations and acronyms used in the Material safety data sheet

MSDS	Material safety data sheet
Exp. lim.	Exposure limit
ES (EINECS)	Existing Commercial Chemical Substances
CAS	Chemical Abstracts Service (division of the American Chemical Society)
PEL	Permissible exposure limit
NPK-P	Maximum permissible concentrations
AGW	Limit value in the workplace (<i>Arbeitsplatzgrenzwerte</i>)
PBT	Persistent, bioaccumulative and toxic substances
vPvB	Very persistent and very bioaccumulative substances
PPE	Personal protective equipment
DNEL	Derived level at which there are no adverse effects
PNEC	Estimation of the concentration at which no adverse effects occur
VOC	Volatile organic compounds
ČSN	Czech technical standards
LC50	The concentration with the observed death in 50% of animals tested
LD50	The dose with the observed death in 50% of animals tested

Sources of key data used to compile the data sheet

In addition to literature data the documents as follows were used to compile this Material Safety Data Sheet:

The information provided here is based on the best of our knowledge and current legislation. The safety data sheet was prepared based on the original safety data sheets provided by the supplier.

In the case of mixtures, which kind of the methods of evaluating information referred was used for classification purposes (in Article 9 of Regulation (ES) no. 1272/2008):

Use the procedure under Regulation (ES) no. 1272/2008, Art. 9, para. 4 - extrapolation based on defined properties of dominant component.

A list of the relevant phrases, standardised phrases about dangerous, safety phrases and/or instructions for safe handling given in the Material Safety Data Sheet. Full text of all phrases and instructions which are not in full version in section 2 to 15:

Hazard category:

None

Full text of H-phrases referred to the sections 2 and 3:

None

Instructions about all training appropriate for workers to ensure protection of human health and the environment

Include product handling instructions in workplace safety training. Before using the product the user must be familiar with the principles relating to BHP working with chemicals.

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Other information:

Recommended use restrictions

The substance / mixture should not be used for any purpose other than that for which it is intended (see point 1.2). As the specific conditions of use of the substance/mixture are beyond the supplier's control, it is the user's responsibility to adapt the prescribed warnings to local laws and regulations. The safety information describes the product in terms of safety and cannot be considered as technical information about the product.

The provided information represents the current state of our knowledge; they describe the product with regard to safety and cannot be considered as guaranteed values.

The recipient must comply with existing laws and regulations at their own risk.

The safety data sheet has been processed:

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End of Safety Data Sheet.