

## SAFETY DATA SHEET

According to the Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 (CLP),  
DSTU GOST 30333:2009

### Polychrom 2020 Concentrated rubber and plastic conditioner with gloss effect "BLACK RUBBER"

Date: 21.08.2023

Version: 1.0

Supersedes the version: -

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## Section 1: Products and manufacturer identification

### 1.1 Products identification

Name: Polychrom 2020 Concentrated rubber and plastic conditioner with gloss effect  
"BLACK RUBBER"

Trade name: "BLACK RUBBER"

### 1.2 Types of use of chemical products and non-recommended or prohibited uses

A product for restoring the original colour of rubber and plastic products. It is used after dilution.

### 1.3 Manufacturer / supplier company identification

Limited liability company "Joint German-Ukrainian Enterprise "DrakenBerg"

Code: 42281913, Ukraine, 29016, Khmelnytskyi region, Khmelnytskyi, Yurii Kozlovsky Street, 7/1.

tel.: +380671111421 director Kushal Denys Viktorovych;

e-mail: [export.drakenberg@gmail.com](mailto:export.drakenberg@gmail.com); web: [drakenberg.com.ua](http://drakenberg.com.ua)

### 1.4 Emergency phone numbers

101 (Ukraine)

+380971445330 technologist Kravets Ihor Petrovych

## Section 2: Hazard identification

### 2.1 Mixture classification

The mixture is not classified as hazardous

### 2.2 Marking elements

#### Hazard pictograms:

Not applicable

#### Signal word:

Not applicable

#### Indication of hazards:

Not applicable

#### Precautionary statements:

P103 Read label before use

P264 Wash hands thoroughly after handling the product

P270 Do not eat, drink or smoke when using this product

P403 Store in a well-ventilated place

P501 Dispose of the content in accordance with national law

#### Additional Information:

EUH210 - Safety data sheet of chemical products can be obtained upon request.

EUH401 - Follow the instructions for safe use to avoid risks to human health and the environment.

### 2.3 Other dangers:

Compliance with PBT and vPvB criteria - does not meet PBT and vPvB criteria.

Does not contain destroyers of the endocrine system, in the amount of  $\geq 0,1$  %.

Does not contain substances in nanoforms in accordance with the Regulation (EC) No 2020/878

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## Section 3: Composition / information about components

**3.1 Substance:** Not applicable

**3.2 Mixture:** Hazardous components are listed below

Chemical name (IUPAC)	EC #	CAS #	Concentration, %	Classification (CLP/GHS)	Reach reg #
glycerin	200-289-5	56-81-5	98	No classifications	---

## Section 4: First aid measures

### 4.1 Description of first aid measures

If inhaled: provide the victim with access to fresh air and calmness. In case of difficulty breathing, provide oxygen. In all cases of doubt, if symptoms persist, consult a doctor.

In case of skin contact: carefully remove contaminated clothing. Wash the skin with plenty of soap and water. If irritation persists, consult a dermatologist.

In case of eye contact: rinse the eyes with plenty of water; remove contact lenses, if any, and continue rinsing for 10-15 minutes. Consult an ophthalmologist.

If swallowed: never put anything in the mouth of an unconscious person. Do NOT induce vomiting. If the person is conscious, rinse mouth, drink 2-4 glasses of milk or water. If necessary, seek medical attention and show the label of this container.

### 4.2 The most important acute and delayed symptoms and consequences

In case of inhalation: may cause respiratory tract irritation, dry cough, sore throat.

In case of skin contact: skin redness, irritation.

In case of eye contact: irritation, redness of the eyes, lacrimation, generally no damage

If swallowed: irritation of the gastrointestinal tract, nausea, headache.

### 4.3 Instructions on the need for first aid

There is no additional information about special first aid measures.

## Section 5: Fire safety measures

### 5.1 Fire extinguishing means

Combustible properties: Is not a flammable product.

Suitable extinguishing agents: Apply fire extinguishing measures according to the environmental conditions. Sprayed water, CO<sub>2</sub>, alcohol-resistant foam, dry fire extinguishing powder.

Unsuitable extinguishing agents: Do not use a direct water stream on burning materials.

### 5.2 Special hazards that may be caused by the mixture

Irritating and highly toxic gases can be produced during combustion. The vapours can be heavier than air and can spread over the ground and collect in confined or low places. Containers can explode when heated.

Hazardous combustion products: carbon oxides, toxic gases.

Special protective equipment for firefighters: Wear the full set of protective clothing and breathing apparatus required for the specific fire area. Do not enter confined spaces without proper protective equipment.

### 5.3 Recommendations for firefighters

Wear standard firefighting equipment such as self-contained breathing apparatus and full protective equipment. Use filters for organic vapours.

Extinguish the fire from a sufficient distance using standard precautions.

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## Section 6: Measures to eliminate emergency release

### 6.1 Personal safety measures, protective equipment and procedure for emergency situations

#### 6.1.1 For general staff

Use personal protective equipment for eyes and skin. Avoid contact with eyes and skin. Avoid inhalation of vapours. Cover with non-combustible material - absorbent, collect, place in a container, hand over for disposal. Rinse the spillage area with water. Ensure adequate ventilation. In case of inadequate ventilation, use suitable breathing equipment. Stop or contain the leak at the source, if safe to do so. Evacuate personnel to a safe area. Restrict access to the spill area until clean-up is complete. Repair the leak if it can be done without risk. Eliminate all sources of ignition.

#### 6.1.2 For emergency response personnel

Use personal protective equipment. Stop or contain the leak at the source if it is safe to do so. Evacuate personnel to a safe area. Restrict access to the spill area until clean-up is complete. Eliminate all sources of ignition. Ensure that only qualified personnel carry out the extinguishing operations.

Small spills: cover with an absorbent (vermiculite, diatomaceous earth, sand, soil), collect in a container for further disposal. After that, ventilate the room and rinse the spill site.

Large spills: fence off spills with an earthen berm. Pump out the spilled substance with a pump. Cover the remaining product with non-combustible material - absorbent, pump out the liquid, collect, place in a container, and hand over for disposal. Do not touch, stand or walk on spilled product. Avoid low areas. Move away from the leak with your back to the wind. Ensure that any equipment used is earthed. Eliminate all possible sources of ignition. Dispose of the product in accordance with the rules specified in section 13.

### 6.2 Environmental protection measures

Do not allow the product to enter sewers, rivers, waterways, and other bodies of water or soil. Stop further leakage or spillage if safe to do so. Save the rinsing water and dispose of it.

### 6.3 Methods and materials for cleaning and neutralisation

Covering of sewage. Absorbent non-combustible material, water. Place in containers for disposal. Ventilate the affected area.

### 6.4 References to other sections

See Section 8 for information on personal safety precautions.

See Section 13 for information on waste disposal.

## Section 7: Handling and storage

### 7.1 Precautions for safe handling

Use only for the intended purpose.

No special measures are required.

Fire prevention: Keep away from heat sources, sparks and open flames, out of sunlight.

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

Store at temperatures between +5°C and +30°C and relative humidity up to 80% out of sunlight, at a distance of at least 1m away from heating devices. Store only in the manufacturer's container, separately from food and drinking water, animal feed. Keep the container tightly closed. The guaranteed shelf life is 24 months from the date of manufacture, subject to storage conditions.

Material incompatibility: oxidants, acids.

Hazardous decomposition products: during thermal decomposition - carbon oxides, toxic gases.

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#### 7.3 Specific end uses

Materials recommended for packaging: polyethylene, rubberised steel (corrosion-resistant) containers, stainless steel.

## Section 8: Hazardous exposure controls and personal protective equipment

### 8.1 Control parameters

Minimum safe exposure levels:

DNEL glycerol (CAS No 56-81-5) = 56 mg/m<sup>3</sup> (local)

### 8.2 Impact control

#### 8.2.1 Appropriate technical control

Ventilation of workspaces, local exhaust systems.

#### 8.2.2 Personal protective equipment

Respiratory protection: Protection is not required in case of adequate ventilation and short-term use. In case of inadequate ventilation or prolonged use, use an organic protective vapour respirator.

Eye protection: when transfusing the product, it is recommended to wear protective goggles (in accordance with the European standard EN 166).

Skin protection: protective gloves (in accordance with European standard EN 420). The choice of protective gloves is determined not only by the material, but also by other quality features, and there is a big difference between different manufacturers. If the product is a mixture of different substances, it is not possible to calculate the resistance of the glove material, which necessitates a test for suitability before use. The exact breakage time should be checked with the supplier of the protective gloves and observed.

## Section 9: Physico-chemical properties

### 9.1 Information on basic physicochemical properties

State:	homogeneous transparent colourless or colour of the used dye liquid
Smell:	specific of the used raw material or flavoring
Threshold of smell:	not defined
pH of a 1 % aqueous solution:	5 (at 20°C)
Melting/freezing point:	18°C
Boiling point	
or range of boiling points:	290°C start of boiling
Flash point:	no data available
Evaporation intensity:	depends on temperature
Flammability indicators:	no data available
Upper and/or lower ignition limits	
or explosiveness:	no data available
Vapour pressure:	no data available
Vapour density:	no data available
Density:	1,2-1,3 g/cm <sup>3</sup> , at a temperature of (20±1)°C
Solubility in water:	completely miscible with water; insoluble in chloroform
The n-octanol/water partition coefficient	
log Kow:	1,76 (pH 7,4, 25°C)
Auto-ignition temperature:	no data available

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Decomposition temperature: partially decomposes when boiling  
Dynamic viscosity: from 1300 to 1500 MPa · s (t 20°C)  
Explosive properties: non-explosive product  
Oxidizing properties: non-oxidising

#### 9.2 Other information

Currently, there is no additional data from available sources.

### Section 10: Stability and reactivity

#### 10.1 Reactivity

No data available

#### 10.2 Chemical stability

The product is stable under the conditions of storage and transportation.

#### 10.3 The possibility of dangerous reactions

Does not polymerise. Reacts with acids. No hazardous reactions occur when used properly.

#### 10.4 Conditions to avoid

Heat, direct sunlight, open flames, and sparks.

#### 10.5 Incompatible materials

Acids, oxidising agents

#### 10.6 Hazardous decomposition products:

during thermal decomposition - carbon oxides, toxic vapours, and gases.

### Section 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Mixture:

The mixture is not classified as toxicologically hazardous.

Mutagenicity: no genotoxic properties detected

Carcinogenicity: no carcinogenic effects were detected

Reproductive toxicity: not detected

Chronic toxicity: not detected

Teratogenicity: no teratogenic effects were detected

Cumulativity: poor

Specific action on target organs: not detected

##### glycerin (CAS No 56-81-5):

Acute oral toxicity:

LD<sub>50</sub> (rats) = 12600 mg/kg; LD<sub>50</sub> (mice) = 4090 mg/kg; LD<sub>50</sub> (rabbits) = 27 g/kg.

Acute dermal toxicity: LD<sub>50</sub> (rabbits) > 10000 mg/kg

### Section 12: Information on environmental impact

#### 12.1 Toxicity to the environment

##### Toxicity to aquatic organisms:

The mixture is not classified as hazardous to aquatic organisms.

General instructions: Do not allow the product to enter the groundwater or sewage system in large quantities.

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#### glycerin (CAS No 56-81-5):

Acute toxicity to fish:  $CL_{50}$  = 68100 mg/l (96 hours)

#### Toxicity to terrestrial organisms:

There is no information about the product.

#### **12.2 Stability and ability to decompose**

The product is easily biodegradable.

#### **12.3 Biocumulative potential**

Accumulation in the body is unlikely.

The n-octanol/water partition coefficient log Kow: 1,76 (pH 7,4, 25°C)

#### **12.4 Mobility in the soil**

No product information is available.

#### **12.5 PBT and vPvB assessment results**

The product does not meet PBT and vPvB criteria.

#### **12.6 Other adverse effects**

Data on other environmental impacts are not specifically provided

## Section 13: Waste disposal information

### **13.1 Waste management methods**

Dispose of in accordance with local regulations. Non-hazardous waste in accordance with the Waste Catalogue Ordinance (AVV). Dispose of in accordance with the relevant national and state regulations.

**Product:** Any product residues that cannot be used for their intended purpose should be placed in a container for the collection of halogen-free organic solvents and halogen-free organic solutions. Collection containers must be clearly labelled with a systematic description of their contents. Store containers in a well-ventilated area. Hand them over to the appropriate authorities for disposal.

Do not discharge the product into drains or water sources. Small spills during use can be washed off with water and poured down the drain. State act of Ukraine - the Law of Ukraine "On Waste Management".

**Contaminated packaging:** Dispose of empty product containers as household waste. Containers that are not contaminated with the substance can be recycled. To clean the container: water, if necessary, cleaning agents. Containers and drug residues are destroyed in accordance with the requirements of the current state legislation.

#### **Waste disposal code:**

Observe the safety precautions in Section 8 during disposal work.

## Section 14: Transportation information

The product is transported by road, rail and inland waterway. The product is not included in the resolution on the transport of dangerous goods (ADR/RID/ADN)

Transport is carried out in accordance with the rules for the carriage of goods applicable to certain types of transport. The product is not included in the resolution on the transport of dangerous goods.

**14.1 UN number:** no classifications

**14.2 Proper shipping name:** no classifications

**14.3 Transport hazard class:** no classifications

**14.4 Packaging group:** not applicable

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#### **14.5 Environmental hazards**

The mixture is not classified as hazardous to the aquatic environment.

See Section 12 for more information.

#### **14.6 Special precautions for the user**

General measures for safe transport must be observed

#### **14.7 Transportation in bulk in accordance with Annex II to MARPOL 73/78 and the MSC Code**

Not applicable

### **Section 15: Regulatory information**

#### **15.1 Normative and legal acts on ensuring protection of human health and the environment**

Health, safety and environmental regulations/laws applicable to the mixture or substances.

EC Regulation (EC) No. 1907/2006 (REACH) Annex XIV - List of substances subject to authorization.

Substances of Very High Concern - none of the components are listed.

Annex XVII - Restrictions on the production, placing on the market and use of certain hazardous substances, mixtures and products: not available.

Regulations/laws on labor protection, safety, environmental protection, and industrial safety that apply to this product. The Law of Ukraine «On Waste Management», «On Environmental Protection», the Law of Ukraine «On Withdrawal from Circulation, Processing, Recycling, Destruction or Further Use of Substandard and Hazardous Products», the Water Code of Ukraine. It is necessary to take into account employment restrictions for adolescents. The Law of Ukraine «On Waste Management».

#### **15.2 Chemical safety assessment:**

Chemical safety assessment is not required

### **Section 16: Other information**

#### **Corresponding P-, EUH-phrases:**

P103 Read label before use

P264 Wash hands thoroughly after handling the product

P270 Do not eat, drink or smoke when using this product

P403 Store in a well-ventilated place

P501 Dispose of the content in accordance with national law

#### **Additional Information:**

EUH210 - Safety data sheet of chemical products can be obtained upon request.

EUH401 - Follow the instructions for safe use to avoid risks to human health and the environment.

#### **Abbreviations and acronyms:**

ADR The European agreement on the international carriage of dangerous goods by road

RID The European Regulation on the International Carriage of Dangerous Goods by Rail

AND European Agreement Concerning the International Road Carriage of Dangerous Goods by Water

PBT Persistent bioaccumulative toxic substance

vPvB (very) Persistent, (very) Bioaccumulative and/or Toxic substance

CAS Chemical Abstracts Service

IUPAC international Union of Pure and Applied Chemistry

EC European Community

CLP Classification, Labelling and Packaging

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REACH      Registration, Evaluation and Authorisation of Chemicals  
LD<sub>50</sub>      Average lethal dose  
CL<sub>50</sub>,      The concentration that causes the death of 50% of the subjects  
DNEL      Minimum safe exposure level

#### **Training instructions:**

During the production of the product, the staff is regularly instructed on the protection and handling of hazardous substances. When using the product at car washes, the personnel is regularly instructed on the rules of work.

#### **Additional Information:**

Packaging: from 1 l to 20 l; filling on request.

The data contained in the safety data sheet is based on the amount of information and experience available to the manufacturer at the time. The consumer of the product is responsible for the consequences of its use for specific purposes. The information relates to this particular mixture. It may be invalid if this mixture is used in conjunction with any other materials or any other process.

#### **Basic literature references and data sources:**

Internal research reports

The Hazardous Substances Data Bank (HSDB)

ECHA database of registered substances

TU U 20.4-44243293-001:2021 Car care products. Technical specifications