

# SAFETY DATA SHEET according to regulation 1907/2006

**silco**<sup>®</sup>**Product name: 8044 Rubber Black WB****Creation date: 10.01.2022, Revision: 10.01.2022, version: 1.2**

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

### 1.1 Product identifier

**Product name**

8044 Rubber Black WB

<https://my.chemius.net/p/Ybnq28/en/pd/e1>

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

**Relevant identified uses**

No information.

**Uses advised against**

No information.

### 1.3 Details of the supplier of the safety data sheet

**Supplier**

SILCO d.o.o.  
Sentrupert 5a  
3303 Gomilsko, Slovenia  
+386 3 703 3180  
n.cvilak@silco.si

**Manufacturer**

SILCO d.o.o.  
Sentrupert 5a  
3303 Gomilsko, Slovenia  
00386 3 703 3180  
n.cvilak@silco.si

### 1.4 Emergency Telephone Number

**Emergency**

National Poisons Information Centre: (01) 809 2166 (available from 8am – 10pm every day)

**Supplier**

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## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

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

According to the regulation, the chemical is not classified as hazardous.

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008 [CLP]**

EUH210 Safety data sheet available on request.

### 2.3 Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

For mixtures see 3.2.

### 3.2 Mixtures

NAME	CAS EC INDEX REACH	%	CLASSIFICATION ACCORDING TO REGULATION (EC) NO 1272/2008 (CLP)	SPECIFIC CONC. LIMITS	NOTES FOR SUBSTANCES
formaldehyde	50-00-0 200-001-8 605-001-00-5	0,01	Acute Tox. 3; H301 Acute Tox. 3; H311 Skin Corr. 1B; H314.1B Skin Sens. 1; H317 Acute Tox. 3; H331 Muta. 2; H341 Carc. 1B; H350.1B	Skin Corr. 1B; H314.1B; C ≥ 25% Skin Irrit. 2; H315; 5% ≤ C < 25% Skin Sens. 1; H317; C ≥ 0.2% Eye Irrit. 2; H319; 5% ≤ C < 25% STOT SE 3; H335; C ≥ 5%	B, D

### Notes for substances

B	<p>Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations.</p> <p>In Part 3 entries with Note B have a general designation of the following type: "nitric acid ... %".</p> <p>In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.</p>
D	<p>Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3.</p> <p>However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words "non-stabilised".</p>

## SECTION 4: FIRST AID MEASURES

### 4.1 First aid measures

#### General notes

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

#### Following inhalation

Remove patient to fresh air - move out of dangerous area. If symptoms develop and persist, seek medical attention.

#### Following skin contact

Wash affected skin areas thoroughly with plenty of water and soap. If symptoms develop and persist, seek medical attention.

#### Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. If irritation persists, seek professional medical attention.

#### Following ingestion

Do not induce vomiting! Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. In case of doubt or if feeling unwell seek medical help. Show the physician the safety data sheet or label.

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

**Following inhalation**

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation.

**Following skin contact**

Contact with skin may cause irritation (redness, itching).

**Following eye contact**

Contact with eyes can cause irritation (redness, tearing, pain).

**Following ingestion**

May cause nausea/vomiting and diarrhea. May cause abdominal discomfort.

**4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media****Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**

Full water jet.

**5.2 Special hazards arising from the substance or mixture****Hazardous combustion products**

In case of a fire toxic gases can be generated; do not inhale gases/smoke.

**5.3 Advice for firefighters****Protective actions**

In case of fire or heating do not breathe fumes/vapours. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters**

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

**Additional information**

No information.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel****Protective equipment**

No information.

**Precautionary measures**

Ensure adequate ventilation.

**Emergency procedures**

No action shall be taken involving any personal risk or without suitable training. Do not breathe vapour or mist. Avoid contact with skin, eyes and clothing.

**For emergency responders**

Use personal protective equipment.

## 6.2 Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. In case of release into the environment, inform the relevant authorities.

## 6.3 Methods and material for containment and cleaning up

### For containment

Stem the spill if this does not pose risks.

### For cleaning up

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Ventilate the premises. Clean contaminated area with plenty of water.

### OTHER INFORMATION

No information.

## 6.4 Reference to other sections

See also sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### Protective measures

#### Measures to prevent fire

Ensure adequate ventilation.

#### Measures to prevent aerosol and dust generation

Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

#### Measures to protect the environment

Do not discharge into drains, surface water and soil. After use immediately close container tightly.

#### Other measures

No information.

#### Advice on general occupational hygiene

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Do not breathe vapours/mist. Avoid contact with skin, eyes and clothes.

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

#### Technical measures and storage conditions

Keep in a cool, dry and well ventilated place. Keep away from food, drink and animal feeding stuffs.

#### Packaging materials

No information.

#### Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking. Do not store in unlabelled containers.

#### Storage class

No information.

#### Further information on storage conditions

No information.

### 7.3 Specific end use(s)

#### Recommendations

No information.

#### Industrial sector specific solutions

No information.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Occupational Exposure limit values

No information.

#### Information on monitoring procedures

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

#### DNEL/DMEL values

##### For product

No information.

##### For components

NAME	TYPE	EXPOSURE ROUTE	EXP. FREQUENCY	REMARK	VALUE
formaldehyde	Worker	inhalation	long term systemic effects	/	0.5 mg/m <sup>3</sup>
formaldehyde	Worker	inhalation	long term systemic effects	/	0.5 mg/m <sup>3</sup>
formaldehyde	Worker	inhalation	short term systemic effects	/	1 mg/m <sup>3</sup>
formaldehyde	Worker	inhalation	short term systemic effects	/	1 mg/m <sup>3</sup>
formaldehyde	Worker	dermal	long term systemic effects	/	240 mg/kg
formaldehyde	Consumer	oral	long term systemic effects	/	4.1 mg/kg
formaldehyde	Consumer	dermal	long term systemic effects	/	102 mg/kg
formaldehyde	Consumer	dermal	long term systemic effects	/	0.0102 mg/kg
formaldehyde	Consumer	inhalation	long term systemic effects	/	3.2 mg/m <sup>3</sup>
formaldehyde	Consumer	inhalation	long term systemic effects	/	0.1 mg/m <sup>3</sup>

#### PNEC values

##### For product

No information.

##### For components

NAME	EXPOSURE ROUTE	REMARK	VALUE
formaldehyde	fresh water	/	0.47 mg/L
formaldehyde	marine water	/	0.47 mg/L
formaldehyde	water, intermittent release	/	4.7 mg/L
formaldehyde	water treatment plant	/	0.19 mg/L
formaldehyde	fresh water sediment	/	2.44 mg/kg
formaldehyde	marine water sediment	/	2.44 mg/kg
formaldehyde	soil	/	0.19 mg/kg

### 8.2 Exposure controls

#### Appropriate engineering control

##### Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material. Avoid contact with skin, eyes and clothes. Do not eat, drink or smoke while working. Do not breathe vapours/aerosols.

##### Structural measures to prevent exposure

No information.

**Organisational measures to prevent exposure**

No information.

**Technical measures to prevent exposure**

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

**Personal protective equipment****Eye and face protection**

No requirements under normal use conditions. If there is risk of splashing into eyes, wear safety glasses with side shields (EN 166).

**Hand protection**

No requirements under normal use conditions. In case of prolonged exposure, wear protective gloves (EN 374).

**Appropriate materials****Skin protection**

No requirements under normal use conditions. With excessive exposure wear protective working clothing (overalls and boots). Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345).

**Respiratory protection**

Not needed under normal use and adequate ventilation.

**Thermal hazards**

No information.

**Environmental exposure controls****Substance/mixture related measures to prevent exposure**

No information.

**Instruction measures to prevent exposure**

No information.

**Organisational measures to prevent exposure**

No information.

**Technical measures to prevent exposure**

Do not allow product to reach drains, sewage systems or ground water.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties****Physical state**

liquid

**Colour**

colourless

**Odour**

No information.

**Important health, safety and environmental information**

Odour threshold	No information.
pH	7 at 20 °C
Melting point/Freezing point	No information.
Initial boiling point/boiling range	No information.
Flash point	No information.
Evaporation rate	No information.
Flammability (solid, gas)	No information.
Explosion limits (vol%)	No information.
Vapour pressure	No information.
Vapour density	No information.
Density / weight	No information.
Solubility	No information.
Partition coefficient	No information.

Auto-ignition temperature	No information.
Decomposition temperature	No information.
Viscosity	No information.
Explosive properties	No information.
Oxidising properties	No information.

## 9.2 OTHER INFORMATION

No information.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No information.

### 10.2 Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

### 10.3 Possibility of hazardous reactions

No information.

### 10.4 Conditions to avoid

No information.

### 10.5 Incompatible materials

No information.

### 10.6 Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### (a) Acute toxicity

For components

NAME	EXPOSURE ROUTE	TYPE	SPECIES	TIME	VALUE	METHOD	REMARK
formaldehyde	inhalation	LC <sub>50</sub>	rat	4 h	0.31 - 0.59 mg/l	/	dust/aerosol
formaldehyde	dermal	LD <sub>50</sub>	rabbit	/	270 mg/kg	/	/
formaldehyde	oral	LD <sub>50</sub>	rat	/	200 mg/kg	/	/

#### Additional information

The product is not classified for acute toxicity.

#### (b) Skin corrosion/irritation

For components

NAME	SPECIES	TIME	RESULT	METHOD	REMARK
formaldehyde	/	/	Corrosive	/	/

**Additional information**

The product is not classified as irritating to skin and eyes.

**(c) Serious eye damage/irritation****For product**

SPECIES	TIME	RESULT	METHOD	REMARK
/	/	Not irritant	/	/

**For components**

NAME	EXPOSURE ROUTE	SPECIES	TIME	RESULT	METHOD	REMARK
formaldehyde	/	/	/	Strong eye irritant.	/	/

**(d) Respiratory or skin sensitisation****For product**

EXPOSURE ROUTE	SPECIES	TIME	RESULT	METHOD	REMARK
inhalation	human	/	Not classified.	/	/

**For components**

NAME	EXPOSURE ROUTE	SPECIES	TIME	RESULT	METHOD	REMARK
formaldehyde	dermal	/	/	May cause sensitisation by skin contact.	/	/

**Additional information**

The product is not classified as sensitising.

**(e) (Germ cell) mutagenicity****For components**

NAME	TYPE	SPECIES	TIME	RESULT	METHOD	REMARK
formaldehyde	/	/	/	Suspected of causing genetic defects.	/	/

**(f) Carcinogenicity****For components**

NAME	EXPOSURE ROUTE	TYPE	SPECIES	TIME	VALUE	RESULT	METHOD	REMARK
formaldehyde	/	/	/	/	/	Can cause cancer.	/	/

**(g) Reproductive toxicity**

No information.

**Summary of evaluation of the CMR properties**

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

**(h) STOT-single exposure****For components**

NAME	EXPOSURE ROUTE	TYPE	SPECIES	TIME	EXPOSURE	ORGAN	VALUE	RESULT	METHOD	REMARK
formaldehyde	inhalation	/	/	/	/	/	/	Inhalation of low concentrations irritate the respiratory tract. Symptoms may include: coughing, tearing, a strong nasal and throat irritation.	/	/

formaldehyde	inhalation	/	/	/	/	/	/	Exposure to higher concentrations (10ppm) cause respiration difficulties and exposure to concentrations above 50ppm can cause severe lung dysfunction.	/	/
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**Additional information**

STOT SE (single exposure): Not classified.

**(i) STOT-repeated exposure**

No information.

**Additional information**

STOT RE (repeated exposure): Not classified.

**(j) Aspiration hazard**

No information.

**Additional information**

Aspiration hazard: Not classified.

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity****Acute (short-term) toxicity****For components**

NAME	TYPE	VALUE	EXPOSURE TIME	SPECIES	ORGANISM	METHOD	REMARK
formaldehyde	LD <sub>50</sub>	41 mg/L	96 h	fish	<i>Brachydanio rerio</i>	/	/
formaldehyde	EC <sub>50</sub>	42 mg/L	24 h	invertebrates	<i>Daphnia magna</i>	DIN 38412-11	/
formaldehyde	EC <sub>20</sub>	1.995 mg/L	5 h	/	/	DIN EN ISO 8192	/

**Chronic (long-term) toxicity**

No information.

**12.2 Persistence and degradability****Abiotic degradation, physical- and photo-chemical elimination**

No information.

**Biodegradation****For components**

NAME	TYPE	RATE	TIME	EVALUATION	METHOD	REMARK
formaldehyde	aerobic	%	/	readily biodegradable	OECD 301 D	/

**12.3 Bioaccumulative potential****Partition coefficient**

No information.

**Bioconcentration factor (BCF)**

No information.

**12.4 Mobility in soil**

Known or predicted distribution to environmental compartments

No information.

Surface tension

No information.

Adsorption/Desorption

No information.

**12.5 Results of PBT and vPvB assessment**

No evaluation.

**12.6 Other adverse effects**

No information.

**12.7 Additional information**

For product

Product is not classified as dangerous for environment. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Product / Packaging disposal

Waste chemical

Dispose the product to an authorised collector/remover of waste/company performing waste recovery.

Waste codes / waste designations according to LoW

No information.

Packaging

Deliver completely emptied containers to approved waste disposal authorities.

Waste codes / waste designations according to LoW

No information.

Waste treatment-relevant information

No information.

Sewage disposal-relevant information

No information.

Other disposal recommendations

No information.

**SECTION 14: TRANSPORT INFORMATION**

ADR/RID	IMDG	IATA	ADN
<b>14.1 UN number</b>			
Not dangerous according to transport regulations.			
<b>14.2 UN proper shipping name</b>			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable

14.3 Transport hazard class(es)			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
14.4 Packing group			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
14.5 Environmental hazards			
NO	NO	NO	NO
14.6 Special precautions for user			
Limited quantities Not given/not applicable	Limited quantities Not given/not applicable		Limited quantities Not given/not applicable
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable

## SECTION 15: REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2015/830)
- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)  
not applicable

Regulation EC 648/2004 on detergents  
No information.

Special instructions  
No information.

### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16: OTHER INFORMATION

Indication of changes  
No information.

Key literature references and sources for data  
No information.

### Abbreviations and acronyms

- ATE - Acute Toxicity Estimate
- ADR - Agreement concerning the International Carriage of Dangerous Goods by Road
- ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- CEN - European Committee for Standardisation
- C&L - Classification and Labelling
- CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
- CAS# - Chemical Abstracts Service number
- CMR - Carcinogen, Mutagen, or Reproductive Toxicant

CSA - Chemical Safety Assessment  
CSR - Chemical Safety Report  
DMEL - Derived Minimal Effect Level  
DNEL - Derived No Effect Level  
DPD - Dangerous Preparations Directive 1999/45/EC  
DSD - Dangerous Substances Directive 67/548/EEC  
DU - Downstream User  
EC - European Community  
ECHA - European Chemicals Agency  
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)  
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)  
EEC - European Economic Community  
EINECS - European Inventory of Existing Commercial Substances  
ELINCS - European List of notified Chemical Substances  
EN - European Standard  
EQS - Environmental Quality Standard  
EU - European Union  
Euphrac - European Phrase Catalogue  
EWC - European Waste Catalogue (replaced by LoW – see below)  
GES - Generic Exposure Scenario  
GHS - Globally Harmonized System  
IATA - International Air Transport Association  
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air  
IMDG - International Maritime Dangerous Goods  
IMSBC - International Maritime Solid Bulk Cargoes  
IT - Information Technology  
IUCLID - International Uniform Chemical Information Database  
IUPAC - International Union for Pure Applied Chemistry  
JRC - Joint Research Centre  
Kow - octanol-water partition coefficient  
LC50 - Lethal Concentration to 50 % of a test population  
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)  
LE - Legal Entity  
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)  
LR - Lead Registrant  
M/I - Manufacturer / Importer  
MS - Member States  
MSDS - Material Safety Data Sheet  
OC - Operational Conditions  
OECD - Organization for Economic Co-operation and Development  
OEL - Occupational Exposure Limit  
OJ - Official Journal  
OR - Only Representative  
OSHA - European Agency for Safety and Health at work  
PBT - Persistent, Bioaccumulative and Toxic substance  
PEC - Predicted Effect Concentration  
PNEC(s) - Predicted No Effect Concentration(s)  
PPE - Personal Protection Equipment  
(Q)SAR - Qualitative Structure Activity Relationship  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
RIP - REACH Implementation Project  
RMM - Risk Management Measure  
SCBA - Self-Contained Breathing Apparatus  
SDS - Safety data sheet  
SIEF - Substance Information Exchange Forum  
SME - Small and Medium sized Enterprises  
STOT - Specific Target Organ Toxicity  
(STOT) RE - Repeated Exposure  
(STOT) SE - Single Exposure  
SVHC - Substances of Very High Concern  
UN - United Nations  
vPvB - Very Persistent and Very Bioaccumulative

List of relevant H phrases

H301 Toxic if swallowed.  
H311 Toxic in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H331 Toxic if inhaled.  
H335 May cause respiratory irritation.  
H341 Suspected of causing genetic defects.  
H350 May cause cancer.