

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

ICOPAL WATER RENOVATOR Bitumen-rubber dispersive mass Dysperbit Dn

Version number: GHS 3.0
Replaces version of: 2019-05-31 (GHS 2)

revision: 2021-02-23

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

1.1 Product identifier

Trade name

ICOPAL WATER RENOVATOR
Bitumen-rubber dispersive mass Dysperbit Dn

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

Relevant identified uses

Renovation and preservation of bituminous roof coverings. Impregnation of concrete basis. Application of waterproof and damp-proof insulation coatings.

Uses advised against

not determined

1.3 Details of the supplier of the safety data sheet

BMI Icopal Sp. z o.o.
ul. Łaska 169/197
98-220 Zduńska Wola
Poland

Telephone: +48 / 043 823 41 11
e-mail: kch.pl@bmigroup.com
Website: www.icopal.pl

1.4 Emergency telephone number

Emergency information service

National Poisons Information Service: In England and Wales: NHS 111 - dial 111 (www.npis.org)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

Supplemental hazard information

Code	Supplemental hazard information
EUH208	contains mieszaninę 5-chloro-2-metylo-2H-izotiazol-3-onu [nr WE 247-500-7] i 2-metylo-2H-izotiazol-3-onu [nr WE 220-239-6] (3:1). May produce an allergic reaction

2.2 Label elements

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

Signal word not required

Pictograms not required

Additional labelling requirements

EUH208 Contains mieszaninę 5-chloro-2-metylo-2H-izotiazol-3-onu [nr WE 247-500-7] i 2-metylo-2H-izotiazol-3-onu [nr WE 220-239-6] (3:1). May produce an allergic reaction.

2.3 Other hazards

There is no additional information.

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Name of substance	Identifier	wt%	Classification acc. to 1272/2008/EC	Notes
Asphalt	CAS No 8052-42-4 EC No 232-490-9 REACH Reg. No 01-2119480172-44-xxxx	1 - < 30	not classified	IOELV OEL
Asphalt, oxidized	CAS No 64742-93-4 EC No 265-196-4 REACH Reg. No 01-2119498270-36-xxxx	1 - < 30	not classified	OEL
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1)	CAS No 55965-84-9 EC No 911-418-6 Index No 613-167-00-5	0 - < 0.0015	Acute Tox. 3 / H301 Acute Tox. 2 / H310 Acute Tox. 2 / H330 Skin Corr. 1C / H314 Eye Dam. 1 / H318 Skin Sens. 1A / H317 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410 EUH071	B(a)

Notes

B(a): The classification refers to an aqueous solution
IOELV: Substance with a community indicative occupational exposure limit value
OEL: Substance with a national occupational exposure limit value

Name of substance	Identifier	Specific Conc. Limits	M-Factors	ATE	Exposure route
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1)	CAS No 55965-84-9 EC No 911-418-6	Skin Corr. 1C; H314: C ≥ 0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 % Eye Dam. 1; H318: C ≥ 0.6 % Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 % Skin Sens. 1A; H317: C ≥ 0.0015 %	M-factor (acute) = 100.0 M-factor (chronic) = 10.0	100 mg/kg 50 mg/kg	oral dermal

For full text of abbreviations: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

Provide fresh air.

Following skin contact

Take off contaminated clothing. Wash skin with water and soap or mild detergent.

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Following eye contact

Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

Following ingestion

Rinse mouth with water (only if the person is conscious). Give nothing to eat or drink. Do NOT induce vomiting. Seek medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

Description of known symptoms following exposure, if relevant - see section 11.

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

water spray, water mist, foam, fire extinguishing powder, carbon dioxide (CO₂), sand, product itself is non-combustible; adapt fire extinguishing measures to surrounding areas

Unsuitable extinguishing media

water jet

5.2 Special hazards arising from the substance or mixture

Not considered flammable under normal conditions but will burn at high temperatures. Cool closed containers exposed to fire with water spray.

Hazardous combustion products

carbon monoxide (CO), carbon dioxide (CO₂), fumes

5.3 Advice for firefighters

Fire fighting crew should be adequately trained and equipped with self-contained breathing apparatus and full protective clothing. Fight fire with normal precautions from a reasonable distance. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Do not breathe vapours. Wear suitable protective clothing and gloves.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Collect contaminated soil and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Bunding. Covering of drains.

Advice on how to clean up a spill

Cover with non-combustible absorbent material. (kieselgur (diatomite), sand, wermikulit, universal binder). Collect to labelled, closed waste container and remove for disposal. When the spillage is removed wash contaminated surfaces with plenty of water.

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feed-stuffs.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in the original container in a cool, well-ventilated place. Keep container tightly closed.

- Protect against external exposure, such as

high temperatures, frost, direct light irradiation

7.3 Specific end use(s)

Data are not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m ³]	STEL [ppm]	STEL [mg/m ³]	Ceiling-C [ppm]	Ceiling-C [mg/m ³]	Notation	Source
GB	asphalt (petroleum)	8052-42-4	WEL		5		10			fume	EH40/2005

Notation

Ceiling-C
fume Ceiling value is a limit value above which exposure should not occur
As fume
STEL Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

Relevant DNELs/DMELs/PNECs and other threshold levels

- relevant DNELs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Asphalt, oxidized	64742-93-4	DNEL	2.9 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
Asphalt	8052-42-4	DNEL	2.9 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

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Eye/face protection

If there is a risk of splash wear eye/face protection.

Skin protection

- **hand protection**

Wear suitable gloves. Protective gloves should be replaced immediately if damaged or in case of signs of wear.

- **type of material**

IIR: isobutene-isoprene (butyl) rubber, Nitrile, Viton, Neoprene

- **other protection measures**

Use protective clothing. Wash hands thoroughly after handling. Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended.

Respiratory protection

Not required in normal conditions. In case of inadequate ventilation wear respiratory protection. Full face mask/half mask/quarter mask (EN 136/140). Type: A-P2 (combined filters against particles and organic gases and vapours, colour code: Brown/White).

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid (viscous)
Colour	black
Odour	mild, characteristic for organics

Other physical and chemical parameters

pH (value)	>7 (1:1 volume mixture with water)
Melting point/freezing point	not determined
Initial boiling point and boiling range	not determined
Flash point	not determined
Evaporation rate	not determined
Flammability (solid, gas)	not relevant
Explosive limits	not determined
Vapour pressure	not determined
Density	not determined
Relative density	ca. 0.99 at 20 °C (water = 1)
Solubility(ies)	Soluble in petroleum solvents
Water solubility	min. 200% (v/v)
Partition coefficient	
n-octanol/water (log KOW)	This information is not available.
Auto-ignition temperature	not determined
Viscosity	not determined
Explosive properties	none (not one)
Oxidising properties	none (not one)

9.2 Other information

There is no additional information.

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SECTION 10: Stability and reactivity

10.1 Reactivity

This material is not reactive under normal ambient conditions.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

10.5 Incompatible materials

strong oxidisers, strong acids, strong bases

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

Acute toxicity

Shall not be classified as acutely toxic.

• Acute toxicity of components of the mixture

Name of substance	CAS No	Exposure route	Endpoint	Value	Species
Asphalt, oxidized	64742-93-4	oral	LD50	>5,000 mg/kg	rat
Asphalt, oxidized	64742-93-4	dermal	LD50	>2,000 mg/kg	rabbit
Asphalt, oxidized	64742-93-4	inhalation: vapour	LC50	>94.4 mg/m ³ /4h	rat
Asphalt	8052-42-4	oral	LD50	>5,000 mg/kg	rat
Asphalt	8052-42-4	dermal	LD50	>2,000 mg/kg	rabbit
Asphalt	8052-42-4	inhalation: vapour	LC50	>94.4 mg/m ³ /4h	rat

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

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Respiratory or skin sensitisation

Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1).
May produce an allergic reaction.

Summary of evaluation of the CMR properties

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

Specific target organ toxicity (STOT)

Shall not be classified as a specific target organ toxicant.

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

Symptoms related to the physical, chemical and toxicological characteristics

• If swallowed

abdominal pain, nausea

• If in eyes

irritation, conjunctival suffusion

• If inhaled

no information available

• If on skin

irritation, allergic reactions

SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

Aquatic toxicity (acute)

Test data are not available for the complete mixture.

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Asphalt, oxidized	64742-93-4	LL50	>1,000 mg/l	rainbow trout	96 h
Asphalt, oxidized	64742-93-4	EL50	>1,000 mg/l	algae	72 h
Asphalt	8052-42-4	LL50	>1,000 mg/l	rainbow trout (Oncorhynchus mykiss)	96 h
Asphalt	8052-42-4	EL50	>1,000 mg/l	algae	72 h

Aquatic toxicity (chronic)

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Asphalt, oxidized	64742-93-4	NOAEL	>1,000 mg/l	daphnia magna	21 d
Asphalt, oxidized	64742-93-4	NOAEL	>1,000 mg/l	rainbow trout	28 d
Asphalt	8052-42-4	NOAEL	>1,000 mg/l	daphnia magna	21 d
Asphalt	8052-42-4	NOEC	>1,000 mg/l	rainbow trout (Oncorhynchus mykiss)	28 d

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Biodegradation

Asphalt: no data available - UVCB substance

12.2 Persistence and degradability

Degradability of components of the mixture

Name of substance	CAS No	Notes
Asphalt, oxidized	64742-93-4	hydrolysis - not relevant, photolysis - not relevant
Asphalt	8052-42-4	hydrolysis - not relevant, photolysis - not relevant

12.3 Bioaccumulative potential

The substances contained in this mixture have no potential for bioaccumulation.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects

Data are not available.

Endocrine disrupting potential

None of the ingredients are listed.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Dispose of contents/container to an authorized waste treatment facility.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1	UN number	not subject to transport regulations
14.2	UN proper shipping name	not relevant
14.3	Transport hazard class(es) Class	-
14.4	Packing group	not assigned to a packing group
14.5	Environmental hazards	none (not one) (non-environmentally hazardous acc. to the dangerous goods regulations)
14.6	Special precautions for user There is no additional information.	
14.7	Transport in bulk according to Annex II of MARPOL and the IBC Code The cargo is not intended to be carried in bulk.	

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Information for each of the UN Model Regulations

- **Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)**

Not subject to ADR, RID and ADN.

- **International Maritime Dangerous Goods Code (IMDG)**

Not subject to IMDG.

- **International Civil Aviation Organization (ICAO-IATA/DGR)**

Not subject to ICAO-IATA.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Relevant provisions of the European Union (EU)

- **Restrictions according to REACH, Annex XVII:**

None of the ingredients are listed.

- **List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list**

None of the ingredients are listed.

- **Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)**

none of the ingredients are listed

- **Water Framework Directive (WFD)**

Name of substance	CAS No	Listed in	Remarks
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)		A)	

Legend

A) Indicative list of the main pollutants

15.2 Chemical Safety Assessment

The Chemical Safety Assessment is not required for the mixture. Chemical safety assessment has been carried out for some of the substances in the mixture.

SECTION 16: Other information

16.1 Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)
1.3	Details of the supplier of the safety data sheet: Icopal Sp. z o.o. ul. Łaska 169/197 98-220 Zduńska Wola Poland Telephone: +48 / 043 823 41 11 e-mail: kch.pl@bmigroup.com Website: www.icopal.pl	Details of the supplier of the safety data sheet: BMI Icopal Sp. z o.o. ul. Łaska 169/197 98-220 Zduńska Wola Poland Telephone: +48 / 043 823 41 11 e-mail: kch.pl@bmigroup.com Website: www.icopal.pl
3.2		Mixtures: change in the listing (table)
3.2		Mixtures: change in the listing (table)
15.2	Chemical Safety Assessment: The Chemical Safety Assessment is not required for the mixture.	Chemical Safety Assessment: The Chemical Safety Assessment is not required for the mixture. Chemical safety assessment has been carried out for some of the substances in the mixture.

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Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
Acute Tox.	Acute toxicity
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
Aquatic Acute	Hazardous to the aquatic environment - acute hazard
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
CMR	Carcinogenic, Mutagenic or toxic for Reproduction
DGR	Dangerous Goods Regulations (see IATA/DGR)
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EH40/2005	EH40/2005 Workplace exposure limits (http://www.nationalarchives.gov.uk/doc/open-government-licence/)
EINECS	European Inventory of Existing Commercial Chemical Substances
EL50	Effective Loading 50 %: the EL50 corresponds to the loading rate required to produce a response in 50% of the test organisms
ELINCS	European List of Notified Chemical Substances
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
index No	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
LL50	Lethal Loading 50 %: the LL50 corresponds to the loading rate causing 50 % lethality
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
M-factor	Means a multiplying factor. It is applied to the concentration of a substance classified as hazardous to the aquatic environment acute category 1 or chronic category 1, and is used to derive by the summation method the classification of a mixture in which the substance is present
NLP	No-Longer Polymer

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Abbr.	Descriptions of used abbreviations
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitisation
STEL	Short-term exposure limit
SVHC	Substance of Very High Concern
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative
WEL	Workplace exposure limit

Key literature references and sources for data

- Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU
- Regulation (EC) No. 1272/2008 (CLP, EU GHS)

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards/environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H301	Toxic if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.