

**OP-Coat 900 Part B**

Print date 12.08.2025  
Revision date 04.08.2025  
Version 1.0 (en)

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

**1.1 Product identifier**

**Trade name/designation** OP-Coat 900 Part B  
**Art-Nr.** EP-C-B-900  
**Unique Formula Identifier** UFI: AS7T-RSHK-YS4U-DJJG

**Hazard components**

Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer, bis-[4-(2,3-epoxipropoxy)phenyl]propane

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

**Use of the substance/mixture**

Curing agent

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

**Supplier**

H2N TRADING GmbH  
Bgm.-Bombeck-Str. 1  
D-22851 Norderstedt  
Telephone +49 (0)40 308 598 51  
Telefax +49 (0)40 308 598 53  
E-mail info@h2n-trading.de  
Website www.h2n-trading.de

Department responsible for information:

Telephone +49 (0)40 308 598 51

**1.4 Emergency telephone number**

Giftinformationszentrale Göttingen GIZ-Nord +49(0)551/ 19 240  
24/7

H2N TRADING GmbH +49 (0)40 308 598 51

Only available during office hours: Monday to Friday from 9.00 am to 5.00 pm.

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

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

Skin Sens. 1, H317

**Hazard statements for health hazards**

H317 May cause an allergic skin reaction.

**Remark**

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

**2.2 Label elements**

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

**Hazard components**

Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer, bis-[4-(2,3-epoxipropoxy)phenyl]propane

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**Hazard pictograms**

GHS07

**Signal word**

Warning

**Hazard statements**

H317 May cause an allergic skin reaction.

**Precautionary statements**

P102 Keep out of reach of children.

P261 Avoid breathing vapours/spray.

P280 Wear protective gloves/protective clothing and eye protection/face protection.

P302 + P352 IF ON SKIN: Wash with plenty of water and soap.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container to a licensed disposal company.

**2.3 Other hazards****Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**SECTION 3: Composition / information on ingredients****3.1 Substances**

not applicable

**3.2 Mixtures****Hazardous ingredients**

CAS No	EC No	Index No	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
25085-99-8			Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer	45 < 70 weight-%	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317	
1675-54-3	216-823-5	603-073-00-2	bis-[4-(2,3-epoxypropoxy)phenyl]propane	1 < 3 weight-%	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 2; H411	Eye Irrit. 2;H319: C>=5% Skin Irrit. 2;H315: C>=5%  ATE(oral): > 5000 mg/kg ATE(dermal): 2000 mg/kg

REACH No.	Substance name
01-2119456619-26-XXXX	bis-[4-(2,3-epoxypropoxy)phenyl]propane

**SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Remove contaminated, saturated clothing immediately.

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**Following inhalation**

Provide fresh air.  
In case of irregular breathing or respiratory arrest initiate artificial respiration.  
In case of inhalation remove the casualty into fresh air and seek medical advice.

**Following skin contact**

After contact with skin, wash immediately with plenty of water and soap.  
In case of skin reactions, consult a physician.

**After eye contact**

Rinse immediately carefully and thoroughly with eye-bath or water.  
Remove contact lenses.  
In case of eye irritation consult an ophthalmologist.

**Following ingestion**

Do NOT induce vomiting.  
Rinse mouth immediately and drink plenty of water.

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

**Symptoms**

Allergic reactions

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

**Notes for the doctor**

The use of corticosteroid cream has proven effective in treatment.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

Water  
Dry extinguishing powder  
Carbon dioxide (CO<sub>2</sub>)  
Sand  
alcohol resistant foam  
Limestone powder

**5.2 Special hazards arising from the substance or mixture**

**Hazardous combustion products**

In the case of thermal decomposition formation of dangerous gases possible.  
Chlorine (Cl<sub>2</sub>)  
Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)

**5.3 Advice for firefighters**

**Special protective equipment for firefighters**

In case of fire: Wear self-contained breathing apparatus.  
Protective clothing.

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers.  
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel**

Ensure adequate ventilation / exhaustion at the workplace.  
Keep people away and stay on the upwind side.  
Avoid skin and eye contact.  
Use personal protection equipment.  
Do not breathe gas / fumes / vapor / spray.  
Use breathing apparatus if exposed to vapors / spray.

**6.2 Environmental precautions**

Do not seep away runed out product into ground or body of water.  
Do not allow to enter into surface water or drains.  
If the product contaminates soil, waterways or drains inform the corresponding authorities.

**6.3 Methods and material for containment and cleaning up**

**For containment**

Ensure adequate ventilation.  
Stam and take up with absorbent material (e.g. sand, soil, vermiculite).  
Send in suitable containers for recovery or disposal.  
After taking up the material dispose according to regulation.

**6.4 Reference to other sections**

Safe handling: see section 7  
Disposal: see section 13  
Personal protection equipment: see section 8  
Emergency telephone number: see section 1

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

**Protective measures**

Keep container tightly closed.  
If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.  
Do not inhale polishing dust.  
Protect from heat and direct sunlight.  
Keep in a cool, well-ventilated place.  
Avoid:  
Eye contact  
Skin contact  
Do not inhale gases/vapours/aerosols.

**Advices on general occupational hygiene**

Thorough skin-cleansing after handling the product.  
Apply skin care products after work.  
When using do not eat, drink, smoke, sniff.  
Remove contaminated, saturated clothing immediately.  
Work in rooms with good ventilation.  
Wash hands before breaks and after work.  
Use protective skin cream before handling the product.

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

**Requirements for storage rooms and vessels**

Keep/Store only in original container.  
Keep container tightly closed.

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**Materials to avoid**

Oxidising agent

**Further information on storage conditions**

Store and transport separate of food.

**7.3 Specific end use(s)**

No data available

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****DNEL worker**

CAS No	Substance name	DNEL value	DNEL type	Remark
1675-54-3	bis-[4-(2,3-epoxipropoxy)phenyl]propane	0.75 mg/kg bw/day	long-term dermal (systemic)	
1675-54-3	bis-[4-(2,3-epoxipropoxy)phenyl]propane	4.93 mg/m <sup>3</sup>	long-term inhalative (systemic)	

**DNEL Consumer**

CAS No	Substance name	DNEL value	DNEL type	Remark
1675-54-3	bis-[4-(2,3-epoxipropoxy)phenyl]propane	0.5 µg/kg bw/day	acute – oral, systemic effects	
1675-54-3	bis-[4-(2,3-epoxipropoxy)phenyl]propane	0.0893 mg/kg bw/day	long-term dermal (systemic)	
1675-54-3	bis-[4-(2,3-epoxipropoxy)phenyl]propane	0.87 mg/m <sup>3</sup>	long-term inhalative (systemic)	

**PNEC**

CAS No	Substance name	PNEC Value	PNEC type	Remark
1675-54-3	bis-[4-(2,3-epoxipropoxy)phenyl]propane	0.006 mg/L	aquatic, freshwater	
1675-54-3	bis-[4-(2,3-epoxipropoxy)phenyl]propane	0.01 mg/L	aquatic, marine water	
1675-54-3	bis-[4-(2,3-epoxipropoxy)phenyl]propane	11 mg/kg food	Secondary Poisoning	
1675-54-3	bis-[4-(2,3-epoxipropoxy)phenyl]propane	0.341 mg/kg	sediment, freshwater	
1675-54-3	bis-[4-(2,3-epoxipropoxy)phenyl]propane	0.034 mg/kg	sediment, marine water	
1675-54-3	bis-[4-(2,3-epoxipropoxy)phenyl]propane	10 mg/L	sewage treatment plant (STP)	
1675-54-3	bis-[4-(2,3-epoxipropoxy)phenyl]propane	0.065 mg/kg soil dw	soil	

**8.2 Exposure controls****Appropriate engineering controls****Technical measures to prevent exposure**

Ensure good ventilation, where necessary use fume hood.

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**Personal protection equipment**

**Eye/face protection**

safety goggles

**Hand protection**

The selection of the suitable gloves does not only depend on different material, but also on further marks of quality and varies from manufacturer to manufacturer.

Suitable material:

PVC (Polyvinyl chloride)

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

**Body protection:**

Solvent-resistant protective clothing

**Respiratory protection**

Not necessary if the ventilation is sufficient.

Respiratory protection necessary at:

insufficient exhaust

prolonged exposure

Breathing apparatus if sanding dust occurs.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Physical state**

liquid

**Colour**

colourless

**Odour**

characteristic

**Safety relevant basis data**

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	not determined		
Boiling point or initial boiling point and boiling range	100 °C		
flammability	not determined		
Lower and upper explosion limit	not determined		
Flash point	> 249 °C		
Auto-ignition temperature	not determined		
Decomposition temperature			No decomposition if used as directed.
pH	7		
Viscosity	not determined		
Solubility(ies)	Water solubility		practically insoluble

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	Value	Method	Source, Remark
Solubility(ies)	organic solvents		
Partition coefficient n-octanol/water (log value)	2.64- 3.78 (25°C)	OECD 117	CAS No25085-99-8 Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer
Vapour pressure	25.669 hPa		
Density and/or relative density	1.11 g/cm <sup>3</sup> (21°C)		
Relative vapour density	not determined		
particle characteristics	not determined		

**9.2 Other information****Other safety characteristics**

	Value	Method	Source, Remark
Explosive properties			The product is not explosive.
Oxidising properties			Not oxidising.
<b>Other information</b> see technical data sheet			

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No data available

**10.2 Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3 Possibility of hazardous reactions**

Reactions with oxidising agents.

**10.4 Conditions to avoid**

Protect from frost, heat and direct sunlight.

**10.5 Incompatible materials**

Oxidising agent

**10.6 Hazardous decomposition products**

Concerning possible decomposition products see section 5.

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

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**Animal data**

	Effective dose	Method,Evaluation	Source, Remark
Acute oral toxicity	CAS No1675-54-3 bis-[4-(2,3-epoxipropoxi)phenyl]propane LD50: > 5000 mg/kg Species Rat		
Acute dermal toxicity	CAS No1675-54-3 bis-[4-(2,3-epoxipropoxi)phenyl]propane LD50: 2000 mg/kg Species Rat		
Acute inhalation toxicity	not determined		

**Skin corrosion/irritation**

**Animal data**

Result / Evaluation	Method	Source, Remark
CAS No25085-99-8 Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer Causes skin irritation. Species Rabbit		
non-irritant Species Rabbit		Manufacturer data
CAS No1675-54-3 bis-[4-(2,3-epoxipropoxi)phenyl]propane Causes skin irritation.	OECD 404	

**Assessment/classification**

Based on available data, the classification criteria are not met.

**Serious eye damage/irritation**

**Animal data**

Result / Evaluation	Method	Source, Remark
CAS No1675-54-3 bis-[4-(2,3-epoxipropoxi)phenyl]propane Causes serious eye irritation.		
CAS No25085-99-8 Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer Causes serious eye irritation. Species Rabbit	OECD 405	
non-irritant		Manufacturer data

**Assessment/classification**

Based on available data, the classification criteria are not met.

**Sensitisation to the respiratory tract**

**Assessment/classification**

No known sensitization.

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**Skin sensitisation**

**Animal data**

Result / Evaluation	Dose / Concentration	Method	Source, Remark
sensitising.	CAS No1675-54-3 bis-[4-(2,3-epoxipropoxy)phenyl]propane	OECD 429	
sensitising.	Species Mouse CAS No25085-99-8 Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer		

**Assessment/classification**

May cause an allergic skin reaction.

**Germ cell mutagenicity**

	Value	Method	Result / Evaluation	Remark
In vitro mutagenicity/genotoxicity	CAS No1675-54-3 bis-[4-(2,3-epoxipropoxy)phenyl]propane	OECD 471	Negativ	

**Carcinogenicity**

not determined

**Reproductive toxicity**

not determined

**STOT-single exposure**

**STOT SE 1 and 2**

**Other information**

No effects known.

**STOT SE 3**

**Irritation to respiratory tract**

**Other information**

No effect known.

**Narcotic effects**

**Assessment/classification**

Not classified

**STOT-repeated exposure**

**Other information**

No effects known.

**Aspiration hazard**

**Remark**

No classification in terms of aspiration.

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**11.2 Information on other hazards****Information on other hazards**

	Effective dose	Method,Evaluation	Source, Remark
Endocrine disrupting properties		Based on available data, the classification criteria are not met.	

**Other information**

The product should be handled with the care usual when dealing with chemicals.  
 Further hazardous properties can not be excluded.

**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity**

	Effective dose	Method,Evaluation	Source, Remark
Acute (short-term) fish toxicity	CAS No1675-54-3 bis-[4-(2,3-epoxipropoxy)phenyl]propane LC50: 1.5- 1.75 mg/L Species Oncorhynchus mykiss (Rainbow trout) Test duration 96 h	OECD 203	
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	CAS No1675-54-3 bis-[4-(2,3-epoxipropoxy)phenyl]propane EL50 1.1- 2.8 mg/L Species Daphnia magna (Big water flea) Test duration 48 h	OECD 202	
	CAS No25085-99-8 Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer EL50 > 1000 mg/L Species Daphnia magna (Big water flea) Test duration 48 h	OECD 202	
Chronic (long-term) toxicity to aquatic invertebrate	CAS No1675-54-3 bis-[4-(2,3-epoxipropoxy)phenyl]propane NOEC 0.3 mg/L Species Daphnia magna (Big water flea) Test duration 21 d	OECD 211	

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	Effective dose	Method,Evaluation	Source, Remark
	CAS No1675-54-3 bis-[4-(2,3-epoxipropoxy)phenyl]propane LOEC: 1 mg/L Species Daphnia magna (Big water flea) Test duration 21 d	OECD 211	
Acute (short-term) toxicity to algae and cyanobacteria	EC50 9.4 mg/L Species Scenedesmus capricornutum Test duration 72 h		
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	NOEC: 2.4 mg/L Species Scenedesmus capricornutum Test duration 72 h		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

**12.2 Persistence and degradability**

	Value	Method	Source, Remark
Biodegradation			Not biodegradable.

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6 Endocrine disrupting properties**

	Effective dose	Method,Evaluation	Source, Remark
Endocrine disrupting properties		Based on available data, the classification criteria are not met.	

**12.7 Other adverse effects**

**Additional ecotoxicological information**

**Additional information**

Ecological data for the mixture are not available.  
 Discharge into the environment must be avoided.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Waste codes/waste designations according to EWC/AVV**

Waste code product	Waste name
200127 *	paint, inks, adhesives and resins containing hazardous substances
Waste code packaging	Waste name
150102	plastic packaging

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Waste code packaging	Waste name
150104	metallic packaging

**Appropriate disposal / Product**

The waste code number mentioned is only intended as a recommendation.  
 The used product may have different properties than the unused one. This safety data sheet cannot provide any information on the used product.  
 Dispose of waste according to applicable legislation.  
 Dispose of waste according to "Kreislaufwirtschaftsgesetz (KrWG)".  
 This means that a distinction must be made between "wastes for recycling" and "wastes for disposal". Particular aspects - in the main concerning delivery - are also governed by the German federal states.

**Appropriate disposal / Package**

Disposal in accordance with local regulations.

**Remark**

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

**SECTION 14: Transport information**

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1 UN number or ID number</b>	-	-	-
<b>14.2 UN proper shipping name</b>	-	-	-
<b>14.3 Transport hazard class(es)</b>	-	-	-
<b>14.4 Packing group</b>	-	-	-
<b>14.5 Environmental hazards</b>	-	-	-
<b>14.6 Special precautions for user</b>	No data available		
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	No data available		
<b>All transport carriers</b>	No dangerous good in sense of these transport regulations.		

**SECTION 15: Regulatory information**

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

No data available

**15.2 Chemical Safety Assessment**

No data available

**SECTION 16: Other information**

**Indication of changes**

\* Data changed compared with the previous version

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### Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

CAS: Chemical Abstracts Service  
CLP: Classification, Labelling and Packaging  
ECHA: European Chemicals Agency  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
REACH: Registration, Evaluation and Authorization of Chemicals  
PNEC: Predicted No Effect Concentration  
SCL: Specific concentration limit  
STOT: Specific Target Organ Toxicity  
DNEL: derived no-effect level  
EC50: Effective Concentration 50%  
IC50: Inhibition Concentration 50 %  
LC50: Lethal (fatal) Concentration 50%  
LD50: Lethal (fatal) Dose 50%  
SVHC: Substance of Very High Concern  
PBT: persistent and bioaccumulative and toxic  
vPvB: very persistent, very bioaccumulative  
WGK: water hazard class  
See overview table at [www.euphrac.eu](http://www.euphrac.eu)  
Skin Irrit. 2: Skin irritation, Category 2  
Eye Irrit. 2: Eye irritation, Category 2  
Skin Sens. 1: Skin sensitizer, Category 1  
Aquatic Chronic 2: Long-term (chronic) aquatic hazard, Category 2

### Key literature references and sources for data

Data sheets of the sub-supplier.  
European Chemicals Agency (ECHA)  
Full text of Hazard Statements in Section 3 (NOT classification of the mixture).  
IFA, GESTIS International Limit Values Database

### Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The classification of the mixture was carried out following the calculation method according to the CLP Regulation (1272/2008).  
The mixture was (also) classified on the basis of test results.

### Training advice

See technical data sheet for more information.

### Additional information

National and local regulations concerning chemicals shall be observed.  
The national special regulations must be implemented by each user on his own responsibility!  
The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.  
Please observe the following disclaimer! Our safety data sheets have been compiled according to effective EU directives, WITHOUT taking into account the special national directives concerning the handling of hazardous substances.

### Relevant H- and EUH-phrases (Number and full text)

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H411 Toxic to aquatic life with long lasting effects.