

**OP-Coat 100 N Part A**

Print date 26.08.2025  
Revision date 19.08.2025  
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 100 N Part A  
**Art-Nr.** EP-C-A-100-N  
**Unique Formula Identifier** UFI: 6K5U-4XEK-F806-MREQ

**Hazard components**

[[[2-ethylhexyl)oxy]methyl]oxirane

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

**Use of the substance/mixture**

resin

**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
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Skin Irrit. 2, H315

Skin Sens. 1A, H317

**Hazard statements for health hazards**

H315 Causes skin irritation.

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**

[[[2-ethylhexyl)oxy]methyl]oxirane

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**Hazard pictograms**



GHS07

**Signal word**

Warning

**Hazard statements**

H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.

**Precautionary statements**

P102 Keep out of reach of children.  
 P280 Wear protective gloves/protective clothing and eye protection/face protection.  
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P315 Get immediate 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
2461-15-6	219-553-6		[[[2-ethylhexyl)oxy]methyl]oxirane	> 10 < 20 weight-%	Skin Irrit. 2; H315 Skin Sens. 1A; H317	ATE(oral): 5000 mg/kg ATE(dermal): 2000 mg/kg

REACH No.	Substance name
01-2119962196-31-XXXX	[[[2-ethylhexyl)oxy]methyl]oxirane

**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.

**Following inhalation**

Provide fresh air.

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**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.  
In the event of symptoms seek medical treatment.

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

No data available

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

No data available

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

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

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

**Hazardous combustion products**

In the case of thermal decomposition formation of dangerous gases possible.

**5.3 Advice for firefighters**

**Special protective equipment for firefighters**

In case of fire: Wear self-contained breathing apparatus.  
Chemical protection suit

**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.

**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.

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**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.

**Further information on storage conditions**

Store and transport separate of food.  
Protect from frost.  
Protect from heat and direct solar radiation.

**7.3 Specific end use(s)**

No data available

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

CAS No	Substance name	DNEL value	DNEL type	Remark
2461-15-6	[[[2-ethylhexyl)oxy]methyl]oxirane	4.17 mg/kg bw/day	long-term dermal (systemic)	

**DNEL Consumer**

CAS No	Substance name	DNEL value	DNEL type	Remark
2461-15-6	[[[2-ethylhexyl)oxy]methyl]oxirane	0.5 mg/kg bw/day	acute dermal, short-term (systemic)	
2461-15-6	[[[2-ethylhexyl)oxy]methyl]oxirane	2.5 mg/kg bw/day	long-term dermal (systemic)	

**PNEC**

CAS No	Substance name	PNEC Value	PNEC type	Remark
2461-15-6	[[[2-ethylhexyl)oxy]methyl]oxirane	0.0072 mg/L	aquatic, freshwater	
2461-15-6	[[[2-ethylhexyl)oxy]methyl]oxirane	0.072 mg/L	aquatic, intermittent release	
2461-15-6	[[[2-ethylhexyl)oxy]methyl]oxirane	0.00072 mg/L	aquatic, marine water	
2461-15-6	[[[2-ethylhexyl)oxy]methyl]oxirane	286.66 mg/kg	sediment, freshwater	
2461-15-6	[[[2-ethylhexyl)oxy]methyl]oxirane	28.66 mg/kg	sediment, marine water	
2461-15-6	[[[2-ethylhexyl)oxy]methyl]oxirane	10 mg/L	sewage treatment plant (STP)	
2461-15-6	[[[2-ethylhexyl)oxy]methyl]oxirane	57.16 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.

**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.

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

Since the product is a preparation of several substances, the resistance of glove materials is only conditionally predictable and must therefore be checked before use.

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:**

Impermeable protective clothing

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**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**

Various, according to product designation

**Odour**

mild

**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	not determined		
flammability	not determined		
Lower and upper explosion limit	not determined		
Flash point	> 98 °C		
Auto-ignition temperature	not determined		
Decomposition temperature			No decomposition if used as directed.
pH	not determined		
Viscosity	dynamic 2800 mPa*s (25°C)		
Solubility(ies)	not determined		
Partition coefficient n-octanol/water (log value)	not determined		
Vapour pressure	not determined		
Density and/or relative density	1.65 g/cm <sup>3</sup> (25°C)		
Relative vapour density	not determined		
particle characteristics	not determined		

**9.2 Other information**

**Other information**

see technical data sheet

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**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**

May cause violent reactions with bases and numerous organic substances such as alcohols and amines.

**10.4 Conditions to avoid**

Protect from frost, heat and direct sunlight.

**10.5 Incompatible materials**

No data available

**10.6 Hazardous decomposition products**

Concerning possible decomposition products see section 5.

**Additional information**

As a general rule we recommend avoiding the contact with strong chemical reagents, such as acids, bases, reductors and oxidizers.

**SECTION 11: Toxicological information**

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

**Acute toxicity**

**Animal data**

	Effective dose	Method,Evaluation	Source, Remark
Acute oral toxicity	CAS No2461-15-6 [(2-ethylhexyl)oxy]methyl]oxirane LD50: 5000 mg/kg Species Rat		
Acute dermal toxicity	CAS No2461-15-6 [(2-ethylhexyl)oxy]methyl]oxirane LD50: 2000 mg/kg Species Rat		
Acute inhalation toxicity	not determined		

**Assessment/classification**

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

**Skin corrosion/irritation**

**Assessment/classification**

Irritating to skin.

**Serious eye damage/irritation**

**Assessment/classification**

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

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**Sensitisation to the respiratory tract**

**Assessment/classification**

No known sensitization.

**Skin sensitisation**

**Assessment/classification**

May cause an allergic skin reaction.

**Germ cell mutagenicity**

not determined

**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.

**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.

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**SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity**

	Effective dose	Method,Evaluation	Source, Remark
Acute (short-term) fish toxicity	CAS No2461-15-6 [(2-ethylhexyl)oxy]methyl]oxirane LC50: 5000 mg/L Species Carassius auratus (goldfish) Test duration 96 h		
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	CAS No2461-15-6 [(2-ethylhexyl)oxy]methyl]oxirane EC50 7.2 mg/L Species Daphnia magna (Big water flea) Test duration 48 h		
Chronic (long-term) toxicity to aquatic invertebrate	not determined		
Acute (short-term) toxicity to algae and cyanobacteria	not determined		
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

**12.2 Persistence and degradability**

No data available

**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.

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**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
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>	-	-	-

**14.6 Special precautions for user**

No data available

**14.7 Maritime transport in bulk according to IMO instruments**

No data available

**All transport carriers**

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

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**SECTION 16: Other information**

**Indication of changes**

\* Data changed compared with the previous version

**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

Skin Sens. 1A: Skin sensitizer, Sub-category 1A

**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).

**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.