



Safety Data Sheet according to (EC) No 1907/2006 as amended

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LOCTITE CAT 11 BR known as CATALYST 11 BRN 4 OZ INDIV

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V001.2

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

1.1. Product identifier

LOCTITE CAT 11 BR known as CATALYST 11 BRN 4 OZ INDIV

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

Intended use:

Hardener

1.3. Details of the supplier of the safety data sheet

Henkel AG & Co. KGaA

Henkelstr. 67

40589 Düsseldorf

Germany

Phone: +49 211 797 0

SDSinfo.Adhesive@henkel.com

For Safety Data Sheet updates please visit our website <https://mysds.henkel.com/index.html#/appSelection> or www.henkel-adhesives.com.

1.4. Emergency telephone number

The Henkel information service also provides an around-the-clock telephone service on phone no.+49-(0)211-797-3350 for exceptional cases.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):

Acute toxicity	Category 3
H301 Toxic if swallowed.	
Route of Exposure: Oral	
Acute toxicity	Category 3
H331 Toxic if inhaled.	
Route of Exposure: Inhalation	
Acute toxicity	Category 3
H311 Toxic in contact with skin.	
Route of Exposure: Dermal	
Skin irritation	Category 2
H315 Causes skin irritation.	
Serious eye irritation	Category 2
H319 Causes serious eye irritation.	
Skin sensitizer	Category 1
H317 May cause an allergic skin reaction.	
Germ cell mutagenicity	Category 2
H341 Suspected of causing genetic defects.	
Toxic to reproduction	Category 1B
H360D May damage the unborn child.	
Specific target organ toxicity - single exposure	Category 3
H335 May cause respiratory irritation.	
Target organ: respiratory tract irritation	
Acute hazards to the aquatic environment	Category 1
H400 Very toxic to aquatic life.	
Chronic hazards to the aquatic environment	Category 1
H410 Very toxic to aquatic life with long lasting effects.	

2.2. Label elements

Label elements (CLP):

Hazard pictogram:



Contains

m-phenylenediamine

N-methyl-2-pyrrolidone

Signal word:

Danger

Hazard statement:

H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled.
 H360D May damage the unborn child.
 H341 Suspected of causing genetic defects.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.
 H410 Very toxic to aquatic life with long lasting effects.

Supplemental information Restricted to professional users.

Precautionary statement: Prevention
 P201 Obtain special instructions before use.
 P261 Avoid breathing vapors.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing.

Precautionary statement: Response
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

None if used properly.
 Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

Following substances are present in a concentration $\geq 0,1\%$ and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):

This mixture does not contain any substances in concentration \geq the concentration limit that are assessed to be a PBT, vPvB or ED.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No. EC Number REACH-Reg No.	Concentration	Classification	Specific Conc. Limits, M-factors and ATEs	Add. Information
m-phenylenediamine 108-45-2 203-584-7	50- 100 %	Acute Tox. 3, Dermal, H311 Acute Tox. 3, Inhalation, H331 Muta. 2, H341 Aquatic Chronic 1, H410 Aquatic Acute 1, H400 Skin Sens. 1, H317 Eye Irrit. 2, H319 Acute Tox. 3, Oral, H301		
N-methyl-2-pyrrolidone 872-50-4 212-828-1 01-2119472430-46	25- 50 %	Repr. 1B, H360D STOT SE 3, H335 Skin Irrit. 2, H315 Eye Irrit. 2, H319	STOT SE 3; H335; C $\geq 10\%$	SVHC EU OEL

**For full text of the H - statements and other abbreviations see section 16 "Other information".
 Substances without classification may have community workplace exposure limits available.**

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:
 Should not be a problem as product is of low volatility. However, if feeling unwell remove patient to fresh air.

Skin contact:
Rinse with running water and soap.
Obtain medical attention if irritation persists.

Eye contact:
Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion:
Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

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

RESPIRATORY: Irritation, coughing, shortness of breath, chest tightness.

SKIN: Redness, inflammation.

EYE: Irritation, conjunctivitis.

SKIN: Rash, Urticaria.

INGESTION: Nausea, vomiting, diarrhea, abdominal pain.

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

See section: Description of first aid measures

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

water, carbon dioxide, foam, powder

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

5.2. Special hazards arising from the substance or mixture

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO₂) can be released.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Additional information:

In case of fire, keep containers cool with water spray.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.

Wear protective equipment.

Ensure adequate ventilation.

6.2. Environmental precautions

Do not empty into drains / surface water / ground water.

6.3. Methods and material for containment and cleaning up

For small spills wipe up with paper towel and place in container for disposal.

For large spills absorb onto inert absorbent material and place in sealed container for disposal.

Dispose of contaminated material as waste according to Section 13.

6.4. Reference to other sections

See advice in section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid skin and eye contact.
See advice in section 8

Hygiene measures:

Good industrial hygiene practices should be observed.
Wash hands before work breaks and after finishing work.
Do not eat, drink or smoke while working.

7.2. Conditions for safe storage, including any incompatibilities

Ensure good ventilation/extraction.
Keep container tightly sealed.
Store at room temperature.
Refer to Technical Data Sheet

7.3. Specific end use(s)

Hardener

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Occupational Exposure Limits**

Valid for
Germany

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
1-Methyl-2-pyrrolidone 872-50-4 [N-METHYL-2-PYRROLIDONE]	20	80	Short Term Exposure Limit (STEL):	Indicative	ECLTV
1-Methyl-2-pyrrolidone 872-50-4 [N-METHYL-2-PYRROLIDONE]			Skin designation:	Can be absorbed through the skin.	ECLTV
1-Methyl-2-pyrrolidone 872-50-4 [N-METHYL-2-PYRROLIDONE]	10	40	Time Weighted Average (TWA):	Indicative	ECLTV
1-Methyl-2-pyrrolidone 872-50-4			Short Term Exposure Classification:	Category I: substances for which the localized effect has an assigned OEL or for substances with a sensitizing effect in respiratory passages.	TRGS 900
1-Methyl-2-pyrrolidone 872-50-4			Skin designation:	Can be absorbed through the skin.	TRGS 900
1-Methyl-2-pyrrolidone 872-50-4	20	82	Exposure limit(s):	2 If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7).	TRGS 900
1-Methyl-2-pyrrolidone 872-50-4 [1-Methyl-2-pyrrolidone]	20		Short Term Exposure Limit (STEL):		EU OELIII
1-Methyl-2-pyrrolidone 872-50-4 [1-Methyl-2-pyrrolidone]		80	Short Term Exposure Limit (STEL):		EU OELIII
1-Methyl-2-pyrrolidone 872-50-4 [1-Methyl-2-pyrrolidone]			Skin designation:	Can be absorbed through the skin.	EU OELIII
1-Methyl-2-pyrrolidone 872-50-4 [1-Methyl-2-pyrrolidone]	10	40	Time Weighted Average (TWA):		EU OELIII

Predicted No-Effect Concentration (PNEC):

Name on list	Environmental Compartment	Exposure period	Value				Remarks
			mg/l	ppm	mg/kg	others	
N-methyl-2-pyrrolidone 872-50-4	aqua (freshwater)		0,25 mg/l				
N-methyl-2-pyrrolidone 872-50-4	aqua (marine water)		0,025 mg/l				
N-methyl-2-pyrrolidone 872-50-4	aqua (intermittent releases)		5 mg/l				
N-methyl-2-pyrrolidone 872-50-4	sediment (freshwater)				1,09 mg/kg		
N-methyl-2-pyrrolidone 872-50-4	Soil				0,07 mg/kg		
N-methyl-2-pyrrolidone 872-50-4	sewage treatment plant (STP)		10 mg/l				
N-methyl-2-pyrrolidone 872-50-4	sediment (marine water)				0,109 mg/kg		

Derived No-Effect Level (DNEL):

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
N-methyl-2-pyrrolidone 872-50-4	Workers	inhalation	Long term exposure - systemic effects		14,4 mg/m ³	
N-methyl-2-pyrrolidone 872-50-4	Workers	inhalation	Long term exposure - local effects		40 mg/m ³	
N-methyl-2-pyrrolidone 872-50-4	Workers	dermal	Long term exposure - systemic effects		4,8 mg/kg	
N-methyl-2-pyrrolidone 872-50-4	General population	inhalation	Long term exposure - systemic effects		3,6 mg/m ³	
N-methyl-2-pyrrolidone 872-50-4	General population	inhalation	Long term exposure - local effects		4,5 mg/m ³	
N-methyl-2-pyrrolidone 872-50-4	General population	dermal	Long term exposure - systemic effects		2,4 mg/kg	
N-methyl-2-pyrrolidone 872-50-4	General population	oral	Long term exposure - systemic effects		0,85 mg/kg	

Biological Exposure Indices:

Ingredient [Regulated substance]	Parameters	Biological specimen	Sampling time	Conc.	Basis of biol. exposure index	Remark	Additional Information
1-Methyl-2-pyrrolidone 872-50-4	5-Hydroxy-N-methyl-2-pyrrolidone	Urine	Sampling time: End of shift.	150 mg/l	DE BGW		

8.2. Exposure controls:

Engineering controls:
Ensure good ventilation/extraction.

Respiratory protection:
Ensure adequate ventilation.
An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area
Filter type: A (EN 14387)

Hand protection:

Chemical-resistant protective gloves (EN 374).

Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):

nitrile rubber (NBR; ≥ 0.4 mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):

nitrile rubber (NBR; ≥ 0.4 mm thickness)

This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:

Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing.

Protective eye equipment should conform to EN166.

Skin protection:

Wear suitable protective clothing.

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions.

Personal protective equipment should conform to the relevant EN standard.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	liquid
Delivery form	liquid
Colour	brown
Odor	Amine
Melting point	Not determined
Initial boiling point	> 200 °C (> 392 °F)
Flammability	Currently under determination
Explosive limits	Currently under determination
Flash point	95 °C (203 °F)
Auto-ignition temperature	Currently under determination
Decomposition temperature	Currently under determination
pH	9,2 (1% solution)
()	
Viscosity (kinematic)	Currently under determination
Solubility (qualitative)	Soluble
Partition coefficient: n-octanol/water	Currently under determination
Vapour pressure (25 °C (77 °F))	< 0,345 mbar
Density	1,1 g/cm ³ no method
()	
Relative vapour density:	3,4 (Air = 1)
Particle characteristics	Not applicable Product is a liquid

9.2. Other information

Other information not applicable for this product

SECTION 10: Stability and reactivity

10.1. Reactivity

Oxidizers.
Acids.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

No decomposition if stored and applied as directed.

10.5. Incompatible materials

See section reactivity.

10.6. Hazardous decomposition products

Hydrocarbons
carbon oxides.
nitrogen oxides

SECTION 11: Toxicological information

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

Acute oral toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
N-methyl-2-pyrrolidone 872-50-4	LD50	4.150 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)

Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
N-methyl-2-pyrrolidone 872-50-4	LD50	> 5.000 mg/kg	rat	OECD Guideline 402 (Acute Dermal Toxicity)

Acute inhalative toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Test atmosphere	Exposure time	Species	Method
N-methyl-2-pyrrolidone 872-50-4	LC50	> 5,1 mg/l	dust/mist	4 h	rat	OECD Guideline 403 (Acute Inhalation Toxicity)

Skin corrosion/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
N-methyl-2-pyrrolidone 872-50-4	irritating	24 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
N-methyl-2-pyrrolidone 872-50-4	moderately irritating		human	not specified

Serious eye damage/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
N-methyl-2-pyrrolidone 872-50-4	irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Test type	Species	Method
N-methyl-2-pyrrolidone 872-50-4	not sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

Germ cell mutagenicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
N-methyl-2-pyrrolidone 872-50-4	negative	DNA damage and repair assay, unscheduled DNA synthesis in mammalian cells in vitro	without		OECD Guideline 482 (Genetic Toxicology: DNA Damage and Repair, Unscheduled DNA Synthesis in Mammalian Cells In Vitro)
N-methyl-2-pyrrolidone 872-50-4	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
N-methyl-2-pyrrolidone 872-50-4	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
N-methyl-2-pyrrolidone 872-50-4	negative	oral: gavage		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
N-methyl-2-pyrrolidone 872-50-4	negative	oral: gavage		hamster, Chinese	OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)

Carcinogenicity

No data available.

Reproductive toxicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Test type	Route of application	Species	Method
N-methyl-2-pyrrolidone 872-50-4	NOAEL P 160 mg/kg NOAEL F1 160 mg/kg NOAEL F2 160 mg/kg	Two generation study	oral: feed	rat	OECD Guideline 416 (Two- Generation Reproduction Toxicity Study)

STOT-single exposure:

No data available.

STOT-repeated exposure::

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Route of application	Exposure time / Frequency of treatment	Species	Method
N-methyl-2-pyrrolidone 872-50-4	NOAEL 0,5 mg/l	inhalation	90 days 6 hrs/day, 5 days/wk	rat	OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)

Aspiration hazard:

No data available.

11.2 Information on other hazards

not applicable

SECTION 12: Ecological information**General ecological information:**

Do not empty into drains / surface water / ground water.

12.1. Toxicity**Toxicity (Fish):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
m-phenylenediamine 108-45-2	LC50	512 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
N-methyl-2-pyrrolidone 872-50-4	LC50	4.000 mg/l	96 h	Leuciscus idus	DIN 38412-15

Toxicity (Daphnia):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
m-phenylenediamine 108-45-2	EC50	5,9 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
N-methyl-2-pyrrolidone 872-50-4	EC50	4.897 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Chronic toxicity to aquatic invertebrates

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
m-phenylenediamine 108-45-2	NOEC	0,316 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)
N-methyl-2-pyrrolidone 872-50-4	NOEC	12,5 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)

Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
m-phenylenediamine 108-45-2	EC50	2,4 mg/l	96 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
N-methyl-2-pyrrolidone 872-50-4	EC50	> 500 mg/l	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	DIN 38412-09

Toxicity to microorganisms

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
m-phenylenediamine 108-45-2	EC 50	> 10.000 mg/l	3 h		ISO 8192 (Test for Inhibition of Oxygen Consumption by Activated Sludge)

12.2. Persistence and degradability

Hazardous substances CAS-No.	Result	Test type	Degradability	Exposure time	Method
m-phenylenediamine 108-45-2	not inherently biodegradable	aerobic	14 %	28 d	EU Method C.9 (Biodegradation: Zahn-Wellens Test)
m-phenylenediamine 108-45-2	not readily biodegradable.	aerobic	2 %	28 d	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))
N-methyl-2-pyrrolidone 872-50-4	inherently biodegradable	aerobic	> 90 %	8 d	OECD Guideline 302 B (Inherent biodegradability: Zahn- Wellens/EMPA Test)
N-methyl-2-pyrrolidone 872-50-4	readily biodegradable	aerobic	92 %	14 d	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))

12.3. Bioaccumulative potential

Hazardous substances CAS-No.	Bioconcentratio n factor (BCF)	Exposure time	Temperature	Species	Method
m-phenylenediamine 108-45-2	1,3 - 4,6	42 d		Cyprinus carpio	not specified

12.4. Mobility in soil

Cured adhesives are immobile.

Hazardous substances CAS-No.	LogPow	Temperature	Method
m-phenylenediamine 108-45-2	-0,33		not specified
N-methyl-2-pyrrolidone 872-50-4	-0,46	25 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

12.5. Results of PBT and vPvB assessment

Hazardous substances CAS-No.	PBT / vPvB
N-methyl-2-pyrrolidone 872-50-4	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

12.6. Endocrine disrupting properties

not applicable

12.7. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:

Do not empty into drains / surface water / ground water.

Dispose of in accordance with local and national regulations.

Disposal of uncleaned packages:

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

Waste code

08 04 09* waste adhesives and sealants containing organic solvents and other dangerous substances

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

SECTION 14: Transport information

14.1. UN number or ID number

ADR	2810
RID	2810
ADN	2810
IMDG	2810
IATA	2810

14.2. UN proper shipping name

ADR	TOXIC LIQUID, ORGANIC, N.O.S. (Phenylene diamine)
RID	TOXIC LIQUID, ORGANIC, N.O.S. (Phenylene diamine)
ADN	TOXIC LIQUID, ORGANIC, N.O.S. (Phenylene diamine)
IMDG	TOXIC LIQUID, ORGANIC, N.O.S. (Phenylene diamine)
IATA	Toxic liquid, organic, n.o.s. (Phenylene diamine)

14.3. Transport hazard class(es)

ADR	6.1
RID	6.1
ADN	6.1
IMDG	6.1
IATA	6.1

14.4. Packing group

ADR	III
RID	III
ADN	III
IMDG	III
IATA	III

14.5. Environmental hazards

ADR	Environmentally Hazardous
RID	Environmentally Hazardous
ADN	Environmentally Hazardous
IMDG	Marine pollutant
IATA	not applicable

14.6. Special precautions for user

ADR	not applicable
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	Tunnelcode: (E)
RID	not applicable
ADN	not applicable
IMDG	not applicable
IATA	not applicable

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Ozone Depleting Substance (ODS) (Regulation (EC) No 1005/2009):	Not applicable
Prior Informed Consent (PIC) (Regulation (EU) No 649/2012):	Not applicable
Persistent organic pollutants (Regulation (EU) 2019/1021):	Not applicable
VOC content (2010/75/EC)	28,5 %

Annex XVII of Regulation (EC) No 1907/2006:

Contains: N-methyl-2-pyrrolidone (CAS No. 872-50-4)

This substance is restricted under Entry 71. Refer to Annex XVII of the REACH Regulation for details of the restriction.

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

National regulations/information (Germany):

WGK:	WGK 3: highly hazardous to water (Ordinance on facilities for handling substances that are hazardous to water (AwSV)) Classification according to AwSV, Annex 1 (5.2)
Storage class according to TRGS 510:	6.1D
General remarks (DE):	This product is in scope of the German regulation "ChemikalienVerbotsVerordnung"

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H301 Toxic if swallowed.
H311 Toxic in contact with skin.
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.
H360D May damage the unborn child.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

ED:	Substance identified as having endocrine disrupting properties
EU OEL:	Substance with a Union workplace exposure limit
EU EXPLD 1:	Substance listed in Annex I, Reg (EC) No. 2019/1148
EU EXPLD 2	Substance listed in Annex II, Reg (EC) No. 2019/1148
SVHC:	Substance of very high concern (REACH Candidate List)
PBT:	Substance fulfilling persistent, bioaccumulative and toxic criteria
PBT/vPvB:	Substance fulfilling persistent, bioaccumulative and toxic plus very persistent and very bioaccumulative criteria
vPvB:	Substance fulfilling very persistent and very bioaccumulative criteria

Further information:

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