N,N-METHYLENE BISACRYLAMIDE MOLECULAR BIOLOGY

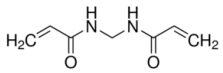
□□□□□□□□□

□□ (EU) 2020/878□ □□ □□□ REACH □□ (EC) 1907/2006□ □□
SDS Reference Number: 04641
□□ □□□□: 4/9/2014 □□ □□□□: 2/7/2025 □□ □□: 4/9/2015 □□: 1.0

□□ 1: □□□□□ □□□ □□ □□

1.1. □□□□

□□ □□	:	□□
□□□	:	N,N-METHYLENE BISACRYLAMIDE MOLECULAR BIOLOGY
EC □□	:	203-750-9
CAS □□	:	110-26-9
□□ □□	:	04641
□□ □□	:	Organic compound
□□□	:	C7H10N2O2
□□ □□	:	



□□□	:	N,N'-Methylenediacrylamide, Bis-Acrylamide

1.2. □□□□ □□ □□□□ □□ □□ □□ □□

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□□□□/□□□□ □□	:	Laboratory chemicals, Manufacture of substances

1.3. □□□□□□□□□ □□□ □□

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info@lobachemie.com, www.lobachemie.com

1.4. □□□□□□

□□ □□ □□	:	+ 91 22 6663 6663 (9:00am - 6:00 pm)

□□ 2: □□□·□□□

2.1. □□□·□□□ □□

Regulation (EC) No.1272/2008 [CLP]□ □□ □□

□□ □□ (□□), □□ 3	H301
□□ □□ (□□), □□ 4	H312
□□□□ □□□□, □□ 1B	H340
□□□, □□ 1B	H350
□□□□, □□ 2	H361fd
□□□□□□ □□ - □□ □□, □□ 1	H372

□□(H) □□ □ EUH □□ □□: 16□ □□.

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2.2. □□□□□□□□ □□□ □□□□ □□

□□ (EC) No. 1272/2008□ □□ □□ □□[CLP]

□□ □□ □□□□(CLP) :

GHS06 GHS08

□□□ (CLP) : □□

□□·□□ □□ (CLP) : H301 - □□□ □□□.
H312 - □□□ □□□□ □□□.
H340 - □□□□ □□□ □□□ □ □□.
H350 - □□ □□□ □ □□.
H361fd - □□□□□ □□□ □□□ □□□ □□□. □□□ □□□ □□□ □□□.
H372 - □□□ □□ □□ □□□□ □□□ □□□ □□□.

□□ □□ □□(CLP) : P202 - □□ □□ □□□□ □□□ □□ □□□□ □□□ □□□□ □□□.
P260 - □□·□·□□·□□□·□□·□□□□ □(□) □□□□ □□□.
P264 - □□ □□□ □, □□ □ □□ □(□) □□□ □□□□.
P280 - □□□□, □□□, □□□, □□□□□ □(□) □□□□□.
P301+P310 - □□□□ □□ □□ □□ □□ □□ □□ □(□) □□□□.
P302+P352 - □□□ □□□ □□□ □ □ □□□□.
P312 - □□□□ □□□ □□ □□ □□ □□ □□ □(□) □□□□.

2.3. □□ □□

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

□□ 3: □□□□□□ □□ □ □□□

3.1. □□□□

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□□	□□□□	%
N,N-METHYLENE BISACRYLAMIDE	CAS □□: 110-26-9 EC □□: 203-750-9	100

□□ 4: □□□□□□□

4.1. □□□□ □□

□□ □□ □□ : Call a physician immediately.

□□□□ □ : □□□ □□□ □□ □□□ □□□ □□□□ □□ □□□ □□□ □□□□. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice.

□□□ □□□□ □ : Wash skin with plenty of water. □□ □□□ □□□□: □□□□ □□/□□□ □□□□. □□□ □□□ □□□□ .

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First-aid measures for first aider : □□□□ □□□□ □□□ □□ □□ □□□ □□□□ □□□.

4.2. □□ □ □□□ □□ □□□ □□ □ □□

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□□ □□ □ □□/□□ : □□□ □□□□ □□□.

□ □□ □ □□/□□ : None under normal conditions. Dust from this product may cause eye irritation.

□□ □ □□/□□ : □□□ □□□. □□□ □□□.

4.3. □□□□ □□ □ □□ □□ □□ □□ □□

Treat symptomatically.

□□ 5: □□·□□□ □□□□

5.1. □□□ □□□

□□□ □□□ : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2). Water spray. Dry powder. Foam.

□□□□ □□□ : Do not use a heavy water stream.

5.2. □□□□□□□ □□□ □□ □□□

□□ □□ : No fire hazard.

□□ □□ : No direct explosion hazard.

□□ □ □□□ □□□ □□ : Toxic fumes may be released.

5.3. □□□□ □□□□ □ □□□□

□□ □□ : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

□□ □□ □ □□ : Do not attempt to take action without suitable protective equipment. □□□ □□□□□. Complete protective clothing.

□□ 6: □□□□□ □□□□

6.1. □□□ □□□□ □□ □□□ □□□□ □ □□□

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□□ □□ : Wear recommended personal protective equipment.

□□ □□ : Evacuate unnecessary personnel. □□□ □□ □□□ □□□ □□□ □□□ □□□ □ □□. □□/□/□□/□□ □/□□/□□□□ □(□) □□□□ □□□.

□□ □□ □□

□□ □□ : Do not attempt to take action without suitable protective equipment. □□□ □□ □□□□ □□□□□. □ □ □□□ □□□ □□ 8: "□□□□ □ □□□□□"□ □□□□□.

□□ □□ : Stop release. Evacuate unnecessary personnel.

6.2. □□□ □□□□ □□ □□□ □□□□

□□□□ □□□□ □□□. □□□ □□□ □□ □□□□□ □□□ □□ □□□ □□.

6.3. □□ □□ □□ □□

□□□ : Using a clean shovel, put the material in a dry container and cover without compressing it.

□□ □□ : Mechanically recover the product. □□□□ □□□□. On land, sweep or shovel into suitable containers. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. □ □□ □□□ □□ □□□□□ □□□ □□ □□□ □□.

□ □□ □□□□ : Dispose of materials or solid residues at an authorized site.

6.4. □□ □□ □□

For further information refer to section 13.

□□ 7: □□ □ □□□□

7.1. □□□□□□

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□□□□□□ : Ensure good ventilation of the work station. Avoid contact with skin, eyes and clothing. □□ □ □□ □□□□ □□□□□. □□ □□ □□□□ □□□ □□ □□□□ □□□ □□□□ □□□. □□□□ □□□ □□□□ □□ □□ □□ □□□□□ □□ □□ □□□ □□□ □□□ □□ □. □□□ □□□ □□ □□ □□ □□ □ □□□ □□ □□ □□. □□□ □□ □□ □□ □□ □□ □□. □□ □□□□ □□□□□. Floors, walls and other surfaces in the hazard area must be cleaned regularly. □□/□/□□/□□□/□□/□□□□ □(□) □□□□ □□□. □, □□, □□□ □□ □□□ □□□.

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7.2. □□□□ □□□ □□□ □□□ □□ □□

□□□ □□ : Keep in a cool, well-ventilated place away from heat.

□□ □□ : Store in original container. □□□ □□□ □□□□□. □□□ □□□ □□□□□. □□□□□ □□ □□□□□.

□□□ : Store always product in container of same material as original container.

7.3. □□ □□ □□

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□□ 8: □□□□ □ □□□□□

8.1. □□ □□ □□

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8.2. □□□□

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□□□ □□□ □□:

Ensure good ventilation of the work station.

□□ □□□

□□ □□□:

Wear recommended personal protective equipment.

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□ □ □□ □□□

□ □□:

Chemical goggles or safety glasses

Skin protection

□□ □□:

Wear a mask

□ □□:

Protective gloves

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□□□ □□:

Wear appropriate mask. [□□□ □ □□ □□ □□] □□□ □□□□ □□□□□.

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□□ 9: □□□□□ □□

9.1. □□□□ □□□□□ □□□ □□ □□

□□□ □□	:	□□
□□	:	White.
□□	:	Powder.
□□□	:	154.17 g/mol
□□	:	Odourless.
□□ □□	:	□□□□
□□□	:	185 °C
□□□	:	□□□□
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□□□□ □□	:	□□□□
□□ □□	:	□□□□
pH	:	> 5 at 20 °C
pH □□	:	25 g/l
□□(□□□)	:	□□□□
□□□	:	□: 34.1 g/l at 20 °C - completely soluble
Partition coefficient n-octanol/water (Log Kow)	:	□□□□
□□□	:	< 0.01 hPa - OECD Test Guideline 104
50°C□□□ □□□	:	□□□□
□□	:	1.216 g/cm³ at 20 °C
□□	:	□□□□
20°C□□□ □□ □□ □□	:	5.32 (Air = 1)
Particle size	:	□□□□

9.2. □ □□ □□□□

□□ □□

□□ 10: □□□ □ □□□

10.1. □□□

The product is non-reactive under normal conditions of use, storage and transport.

10.2. □□□ □□□

Stable under normal conditions.

10.3. □□ □□□ □□□

No dangerous reactions known under normal conditions of use.

10.4. □□□ □ □□

□□□□. Overheating. Open flame. □. Sparks.

10.5. □□□ □ □□

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10.6. □□□ □□□□ □□□□

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

□□ 11: □□□ □□ □□

11.1. □□ (EC) No 1272/2008□ □□□, □□□ □□□ □□ □□

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□□ □□ (□□)	:	□□□□ □□
□□ □□□ □□ □□□	:	□□□□ □□ pH: > 5 at 20 °C
□□ □ □□ □□ □□□	:	□□□□ □□ pH: > 5 at 20 °C
□□□ □□ □□ □□□	:	□□□□ □□
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□□ □□□□ □□ (□□ □□)	:	□□□ □□ □□ □□□□ □□□ □□□ □□□.
□□ □□□	:	□□□□ □□

N,N-METHYLENE BISACRYLAMIDE MOLECULAR BIOLOGY (110-26-9)	
□□(□□□)	□□□□

11.2. □□ □□ □□

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□□ 12: □□□ □□□ □□

12.1. □□

□□□ - □□	:	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
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□□ □□□□ □□□	:	□□□□ □□

12.2. □□□ □ □□□

N,N-METHYLENE BISACRYLAMIDE MOLECULAR BIOLOGY (110-26-9)	
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12.3. □□ □□□

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12.4. □□ □□□

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12.5. PBT □ vPvB □□ □□

□□ □□

12.6. □□□ □□ □□

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12.7. □□ □□ □□

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□□ 13: □□□ □□□□

13.1. □□□ □□□

□□ □□(□□□)	:	Disposal must be done according to official regulations.
□□□ □□□	:	Dispose of contents/container in accordance with licensed collector's sorting instructions.
□□ □□ □□ □□	:	Disposal must be done according to official regulations.
□□/□□ □□ □□□□	:	□□, □□, □□ □/□□ □□ □□□ □□ □□□□ □□ □□ □□□ □□ □□ □ □□□□ □□□ □□□□□. Disposal must be done according to official regulations.
□□ □□	:	Do not re-use empty containers.

□□ 14: □□□ □□□ □□

ADR / IMDG / IATA / ADN / RID□ □□

14.1. UN □□ □□ ID □□

UN-□□(ADR)	:	UN 2811
UN-□□ (IMDG)	:	UN 2811
UN-□□(IATA)	:	UN 2811
UN-□□(ADN)	:	UN 2811
UN-□□(RID)	:	UN 2811

14.2. UN □□ □□□

□□ □□□ (ADR)	:	□□ □□, □□□, □□ □□□ □□□ □□ □
□□ □□□ (IMDG)	:	TOXIC SOLID, ORGANIC, N.O.S.
□□ □□□ (IATA)	:	Toxic solid, organic, n.o.s.
□□ □□□ (ADN)	:	□□ □□, □□□, □□ □□□ □□□ □□ □
□□ □□□ (RID)	:	□□ □□, □□□, □□ □□□ □□□ □□ □
□□ □□ □□ (ADR) (ADR)	:	UN 2811 □□ □□, □□□, □□ □□□ □□□ □□ □ (N,N-METHYLENE BISACRYLAMIDE), 6.1, III, (E)
□□ □□ □□ (IMDG)	:	UN 2811 TOXIC SOLID, ORGANIC, N.O.S., 6.1, III
□□ □□ □□ (IATA)	:	UN 2811 Toxic solid, organic, n.o.s. (N,N-METHYLENE BISACRYLAMIDE), 6.1, III
□□ □□ □□ (ADN)	:	UN 2811 □□ □□, □□□, □□ □□□ □□□ □□ □, 6.1, III
□□ □□ □□ (RID)	:	UN 2811 □□ □□, □□□, □□ □□□ □□□ □□ □, 6.1, III

14.3. □□□□□ □□□ □□

ADR

□□□□□ □□□ □□ (ADR)	:	6.1
□□ □□ (ADR)	:	6.1
	:	

IMDG

□□□□□ □□□ □□ (IMDG)	:	6.1
□□ □□ (IMDG)	:	6.1
	:	

IATA

□□□□□ □□□ □□ (IATA)	:	6.1
□□ □□ (IATA)	:	6.1

:

ADN

□□□□□ □□□ □□ (ADN) : 6.1

□□ □□ (ADN) : 6.1

:

RID

□□□□□ □□□ □□ (RID) : 6.1

□□ □□ (RID) : 6.1

:

14.4. □□□□

□□ □□ (ADR)	: III
□□ □□(IMDG)	: III
□□ □□ (IATA)	: III
□□ □□(ADN)	: III
□□ □□(RID)	: III

14.5. □□ □□□

□□□ □□	: □□□
□□□□□□	: □□□
EmS-No. (□□)	: F-A
EmS-No. (□□)	: S-A
□ □□ □□□□	: □□ □□ □□ □□

14.6. □□□□ □□ □□ □□□□

□□ □□

□□ □□(ADR)	: T2
□□ □□(ADR)	: 274, 614
□□□(ADR)	: 5kg
□□□(ADR)	: E1
□□ □□(ADR)	: P002, IBC08, LP02, R001
□□ □□ (ADR)	: B3
□□ □□ □□ □□ □□(ADR)	: MP10
□□□ □□ □ □□ □□□□ □□ (ADR)	: T1
□□□ □□ □ □□ □□□□ □□ □□ (ADR)	: TP33
□□ □□(ADR)	: SGAH, L4BH
□□ □□ □□(ADR)	: TU15, TE19
□□ □□□ □□	: AT
□□ □□(ADR)	: 2
□□ □□ □□ □□ - □□ □□(ADR)	: VC1, VC2, AP7
□□ □□ □□ □□ -□□, □□ □ □□(ADR)	: CV13, CV28
□□ □□ □□ □□ - □□(ADR)	: S9
□□ □□ □□(Kemler □□)	: 60
Orange plates (□□□□□□)	:
□□ □□ □□ (ADR)	: E

EAC □□	:	2X

□□ □□

□□ □□ (IMDG)	:	223, 274
□□ □□(IMDG)	:	5 kg
□□□(IMDG)	:	E1
□□ □□ (IMDG)	:	P002
IBC □□ □□(IMDG)	:	IBC08
IBC □□ □□ (IMDG)	:	B3
□□ □□ (IMDG)	:	T1
□□ □□ □□ (IMDG)	:	TP33
□□ □□ (IMDG)	:	A
□□□ □□□□ (IMDG)	:	Toxic if swallowed, by skin contact or by inhalation.

□□ □□

PCA □□ □□(IATA)	:	E1
PCA □□ □□(IATA)	:	Y645
PCA □□ □□ □□ □□□(IATA)	:	10kg
PCA □□ □□(IATA)	:	670
PCA □□ □□□(IATA)	:	100kg
CAO □□ □□(IATA)	:	677
CAO □□ □□□(IATA)	:	200kg
□□ □□(IATA)	:	A3, A5
ERG □□(IATA)	:	6L

□□ □□ □□

□□ □□(ADN)	:	T2
□□ □□(ADN)	:	274, 614, 802
□□□(ADN)	:	5 kg
□□□(ADN)	:	E1
□□□□(ADN)	:	T
□□ □□(ADN)	:	PP, EP
□□ □□/□□□ □□(ADN)	:	0

□□ □□

□□ □□(RID)	:	T2
□□ □□(RID)	:	274, 614
□□ □□(RID)	:	5kg
□□□(RID)	:	E1
□□ □□ (RID)	:	P002, IBC08, LP02, R001
□□ □□ (RID)	:	B3
□□ □□ □□ □□ □□(RID)	:	MP10
□□□ □□ □ □□ □□□□ □□ (RID)	:	T1
□□□ □□ □ □□ □□□□ □□ □□ (RID)	:	TP33
RID □□□ □□ □□(RID)	:	SGAH, L4BH
RID □□□ □□ □□(RID)	:	TU15
□□ □□(RID)	:	2
□□ □□ □□ □□ - □□ □□(RID)	:	VC1, VC2, AP7
□□ □□ □□ □□ -□□, □□ □ □□(RID)	:	CW13, CW28, CW31
□□ □□□	:	CE11
□□□ □□ □□ (RID)	:	60

14.7. □□□□□□□(IMO)□ □□ □□ □□ □□

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□□ 15: □□ □□□□

15.1. □□, □□ □ □□□ □□□□ □□□□ □□ □□□□ □□ □□ □□/□□

EU □□

REACH □□□ XVII (□□ □□)

REACH □□□ XVII□ □□□□ □□

REACH □□□ XIV (□□ □□)

REACH □□□ XIV (□□ □□)□ □□□□ □□

REACH □□ □□ □□ (SVHC)

REACH □□ □□ □□□ □□□ □□□ □□□□ □□

PIC □□ (□□□□□□)

PIC □□□ □□□□ □□ (□□ EU 649/2012)

POP □□ (□□□ □□ □□□□)

POP □□□ □□□□ □□ (□□ EU 2019/1021)

Ozone Regulation (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

□□□□ □□(428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

□□ □□□□ □□ (2019/1148)

□□□ □□□□ □□(□□ □□□□□ □□ □ □□□ □□ □□ EU 2019/1148)□ □□□ □□ □□□□ □□

□□ □□□□ □□ (273/2004)

□□ □□□□ □□□ □□□ □□□ □□□□ □□(□□ □ □□□□ □□□ □□ □□□ □□□□ □□ □□□ □□ □ □□□ □□ □□ EC 273/2004)

□□ □□

□□

VOC ordinance (ChemVOCFarbV)	:	
WGK	:	WGK 3, □□ □□ □□□ (Classification according to AwSV).
□□□□ □□ □□ (ChemVerbotsV)	:	This product is subject to ChemVerbotsV Annex 2 Entry 1. The following requirements must be observed: authorization requirement (according to § 6 paragraph 1 sentence 1), basic requirements for carrying out the delivery (according to § 8 paragraph 1, 3 and 4), identification and documentation (according to § 9 paragraph 1 to 3) and exclusion of the shipping route (according to § 10).
□□ □□ □□(12. BImSchV)	:	□□ □□ □□(12. BImSchV)□ □□ □□ □□

□□□□

SZW-lijst van kankerverwekkende stoffen	:	□□□ □□□□ □□□□□.
SZW-lijst van mutagene stoffen	:	□□□ □□□□ □□□□□.
SZW-lijst van reprotoxische stoffen – Borstvoeding	:	□□□ □□□□ □□□□□.
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	:	□□□ □□□□ □□□□□.
SZW-lijst van reprotoxische stoffen – Ontwikkeling	:	□□□ □□□□ □□□□□.

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15.2. □□ □□ □□□ □□

No chemical safety assessment has been carried out

□□ 16: □ □□ □□□□

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ACGIH	American Conference of Government Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	□□ □□ □
BOD	Biochemical oxygen demand (BOD)
CAS □□	□□□□ □□ □□ □□(CAS)
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
COD	□□□ □□ □□□
CSA	□□ □□ □□□ □□
DMEL	Derived Minimal Effect level
DNEL	□□ □□□ □□
EC □□	□□ □□□ □□
EC50	Median effective concentration
ED	□□□ □□□□
EN	□□ □□
EWC	European waste catalogue
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
Log Kow	Partition coefficient n-octanol/water (Log Kow)
Log Pow	Partition coefficient n-octanol/water (Log Pow)
MAK	maximum workplace concentration
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
N.O.S.	Not Otherwise Specified
OECD	Organisation for Economic Co-operation and Development
OEL	□□□ □□ □□
OSHA	Occupational Safety & Health Administration
PBT	Persistent Bioaccumulative Toxic
PNEC	□□ □□□ □□
PPE	□□ □□□

□□ □ □□□□:	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	□□□□□□□□
STP	Sewage treatment plant
TF	□□□ □□
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
TWA	Time Weighted Average
COV	Volatile Organic Compounds
vPvB	Very Persistent and Very Bioaccumulative
UFI	□□ □□ □□□

□H□ □ EUH□ □□:	
□□ □□ 3 (□□)	□□ □□ (□□), □□ 3
□□ □□ 4 (□□)	□□ □□ (□□), □□ 4
□□□ 1B	□□□, □□ 1B
□□□□ 2	□□□□, □□ 2
□□□□ □□□□ 1B	□□□□ □□□□, □□ 1B
□□ □□□□ □□ (□□ □□) 1	□□□□□□ □□ - □□ □□, □□ 1
H301	□□□ □□□.
H312	□□□ □□□□ □□□.
H340	□□□□ □□□ □□□ □ □□.
H350	□□ □□□ □ □□.
H361fd	□□□□□ □□□ □□□ □□□ □□□. □□□ □□□ □□□ □□□.
H372	□□□ □□ □□ □□□□ □□□ □□□ □□□.

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