

# ALLYL CHLORIDE FOR SYNTHESIS

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□□ (EU) 2020/878 □□ □□□□ REACH □□ (EC) 1907/2006 □□ □□

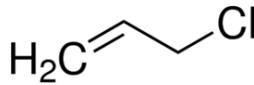
SDS Reference Number: 00877

□□ □□□□: 4/9/2014 □□ □□□□: 10/14/2025 □□ □□: 4/19/2016 □□: 1.0

## □□ 1: □□□□□ □□□ □□ □□

### 1.1. □□□□

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□□ □□	:	ALLYL CHLORIDE FOR SYNTHESIS
IUPAC □□	:	3-Chloro-1-propene
EC □□ □□	:	602-029-00-X
EC □□	:	203-457-6
CAS □□	:	107-05-1
□□ □□	:	00877
□□ □□	:	Organic compound
□□ □□	:	C3H5Cl
□□ □□	:	



□□ □□ : 3-Chloropropene, Chlorallylene, 3-Chloropropylene

### 1.2. □□□□ □□ □□□□ □□ □□ □□ □□

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

### 1.3. □□□□□□□□ □□□ □□

LOBA CHEMIE PVT.LTD.  
107 Wode House Road, Jehangir Villa, Colaba  
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[info@lobachemie.com](mailto:info@lobachemie.com), [www.lobachemie.com](http://www.lobachemie.com)

### 1.4. □□□□□□

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

## □□ 2: □□□·□□□

### 2.1. □□□·□□□ □□

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

□□□ □□, □□ 2	H225
□□ □□ (□□), □□ 4	H302
□□ □□ (□□), □□ 4	H312
□□ □□ (□□), □□ 4	H332
□□ □□□/□□ □□□, □□ 2	H315
□□ □ □□□/□ □□□, □□ 2	H319
□□□□ □□□□, □□ 2	H341
□□□, □□ 2	H351
□□□□□□ □□ - 1□ □□, □□ 3, □□□□ □□	H335
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# ALLYL CHLORIDE FOR SYNTHESIS

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□□ (EU) 2020/878 □□ □□ □□ REACH □□ (EC) 1907/2006 □□ □□

## 2.2. □□□□□□ □□ □□□□ □□

□□ (EC) No. 1272/2008 □□ □□ □□ [CLP]

□□ □□ □□□□ (CLP)



□□□ (CLP)

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: H225 - □□□□ □□ □□ □□.  
H302+H312+H332 - □□□□, □□□ □□□□ □□□□ □□□□.  
H315 - □□ □□ □□ □□□□.  
H319 - □□ □□ □□ □□□□.  
H335 - □□□ □□□ □□□ □□□.  
H341 - □□□□ □□□ □□□ □□□ □□□.  
H351 - □□ □□□ □□□ □□□.  
H373 - □□□ □□ □□ □□□□ □□□ □□□ □□□ □□□.  
H400 - □□□□□□ □□ □□□□.  
□□ □□ □□ (CLP) : P210 - □·□□□ □□·□□□·□□·□□ □□□□□□ □□□□□□. □□.  
P260 - □□·□·□□·□□□·□□·□□□□ □(□) □□□□ □□□□.  
P273 - □□□□ □□□□ □□□□.  
P280 - □□□□, □□□, □□□, □□□□□ □(□) □□□□□□.  
P301+P312 - □□ □□: □□□□ □□□ □□ □□ □□ □□ □□ □(□) □□□□□.  
P303+P361+P353 - □□(□□ □□□□) □□ □□ □□□ □□ □□ □□ □□ □□□□. □□□ □□ □□□□ □□.  
P304+P340 - □□□□ □□□ □□□ □□ □□□ □□□ □□ □□□□ □□ □□□□ □□□□□□.  
P305+P351+P338 - □□ □□□□: □ □□ □□ □□□□ □□□□□□. □□□□ □□□ □□□□□□□□. □□ □□.  
P308+P313 - □□□□□ □□□ □□□ □□: □□□ □□·□□□□ □□□□□□.

## 2.3. □□ □□

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## □□ 3: □□□□□ □□ □□□□

### 3.1. □□□□

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ALLYL CHLORIDE	CAS □□: 107-05-1 EC □□: 203-457-6 EC □□ □□: 602-029-00-X	100

## □□ 4: □□□□□□

### 4.1. □□□□ □□

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# ALLYL CHLORIDE FOR SYNTHESIS

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□□ (EU) 2020/878 □□ □□□ REACH □□ (EC) 1907/2006 □□ □□

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Self protection of the first-aider : □□□□ □□□□ □□ □□ □□ □□□□ □□□□.

## 4.2. □□ □□□□ □□ □□□□ □□ □□□□

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□ □□ □□ □□/□□ : □□ □□ □□□ □□□□. Eye irritation.

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## 4.3. □□□□ □□ □□ □□ □□ □□ □□ □□

Treat symptomatically.

## □□ 5: □□□□ □□□□ □□□□

### 5.1. □□□□ □□□□

□□□□ □□□□ : Carbon dioxide. Dry powder. Foam. Water spray.

□□□□ □□□□ : Do not use extinguishing media containing water.

### 5.2. □□□□□□□□ □□□□ □□ □□□□

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□□ □□ : May form flammable/explosive vapour-air mixture.

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### 5.3. □□□□ □□□□ □□ □□□□

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

□□ □□ □□□□ : 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. □□□□ □□□□ □□ □□□□ □□□□ □□ □□□□

□□ □□ : □□□□ □□□□□□. Use special care to avoid static electric charges. No open flames. No smoking. □□ □□□□ □□□□ □□ □□□□ □□□□ □□□□ □□ □□□□ □□□□ □□□□ □□□□ □□□□□□.

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□□ □□ : Wear recommended personal protective equipment.

□□ □□ : Ventilate spillage area. Evacuate unnecessary personnel. □□, □□□□ □□ □□. □□. □□/□□/□□/□□ □□/□□/□□□□ □□(□) □□□□ □□□□. Avoid contact with skin, eyes and clothing.

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

□□ □□ : Ventilate area. Evacuate unnecessary personnel. □□□□ □□□□ □□ □□□□ □□□□ □□□□.

### 6.2. □□□□ □□□□ □□ □□□□ □□□□

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### 6.3. □□ □□ □□ □□ □□

□□□□ : □□□□ □□□□□□. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.

# ALLYL CHLORIDE FOR SYNTHESIS

□□□□□□□□

□□ (EU) 2020/878 □□ □□□ REACH □□ (EC) 1907/2006 □□ □□

- □□ : Take up liquid spill into absorbent material. On land, sweep or shovel into suitable containers. □□□ □□□□. □□□ □□□ □□ □□□□ □□□ □□ □□□ □□.
- □□□□□ : Dispose of materials or solid residues at an authorized site.

## 6.4. □□ □□ □□

For further information refer to section 13.

## □□ 7: □□ □ □□□□

### 7.1. □□□□□□

- □ □□□□□ □□ □□ : Handle empty containers with care because residual vapours are flammable.
- □□ □□ □□□□□. □□ □ □□ □□□ □□□□□. □□□ □□ □□□□ □□□□□. □□□□ □□□□ □□ □□ □□□□□. □, □□□ □□, □□□, □□ □ □ □□ □□□□□□ □□□□□. □□. □□□ □□□□□ □□□□□. □□□ □□ □□□ □□□□□. □□ □ □□□ □□□ □□□ □□□. Use explosion-proof equipment. □□ □□□□ □□□□□□. □□ □□ □□□□ □□□ □□ □□□□ □□□ □□□ □□□ □□□. □□/□/ □□/□□□/□□/□□□□ □(□) □□□□ □□□. □, □□, □□□ □□ □□□ □□□.
- □□ : □ □□□ □□□ □□□, □□□□ □□□□ □□□. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. □□ □□ □ □□□ □□□ □□□□□. Always wash hands after handling the product.

### 7.2. □□□□ □□□ □□□ □□□ □□ □□

- □□ : Proper grounding procedures to avoid static electricity should be followed. □□□ □□□□□ □□□□ □.
- □□ : Keep in fireproof place. □□□ □□□ □□□□□. □□□ □ □□ □□ □□□□□. □□□□ □□□□□. □□ □□□ □□□□□□.
- □ □□ : Heat sources.
- : 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.

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Wear recommended personal protective equipment.

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□ □ □:

Chemical goggles or safety glasses

# ALLYL CHLORIDE FOR SYNTHESIS

□□□□□□□□

□□ (EU) 2020/878 □□ □□□ REACH □□ (EC) 1907/2006 □□ □□

## Skin protection

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Wear a mask

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Protective gloves

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Wear appropriate mask

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## □□ 9: □□□□ □□

### 9.1. □□□□ □□□□ □□ □□ □□

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□□	: Colourless to Light yellow.
□□	: Clear liquid.
□□ □□	: 76.53 g/mol
□□	: Pungent.
□□ □□	: □□□□
□□ □□	: □□□□
□□ □□	: -135 °C
□□ □□□□ □□ □□	: 45 °C
□□ □□	: Flammable
	□□□□ □□ □□ □□
□□ □□ □□	: 3.3 vol %
□□ □□ □□	: 11.2 vol %
□□ □□	: -32 °C
□□□□ □□	: 390 °C
□□ □□	: □□□□
pH	: □□□□
□□(□□□)	: 0.362 mm <sup>2</sup> /s
□□(□□□□)	: 0.34 mPa·s at 20 °C
□□ □□	: □: 0.36 g/100ml (20 °C)
	□□□: Miscible with Ethanol
	□□□: Miscible with Ether
Partition coefficient n-octanol/water (Log Kow)	: □□□□
□□ □□	: 368 mm Hg at 25 °C
50°C □□ □□ □□	: □□□□
□□	: 0.94 g/cm <sup>3</sup>
□□	: 0.935 – 0.938
20°C □□ □□ □□ □□	: 2.64 (Air= 1)
□□ □□	: □□□□

### 9.2. □ □□ □□□□

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□□ □□ : 1.4157 at 20 °C/D

## □□ 10: □□□ □□□□

### 10.1. □□□

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# ALLYL CHLORIDE FOR SYNTHESIS

□□□□□□□□

□□ (EU) 2020/878 □□ □□□ REACH □□ (EC) 1907/2006 □□ □□

## 10.2. □□□ □□□

Stable under normal conditions.

## 10.3. □□ □□□ □□□

No dangerous reactions known under normal conditions of use.

## 10.4. □□□ □ □□

Open flame. □. Sparks. □□□ □□□ □□□ □□□□. □□, □□□, □□□□ □□ □□□□□□.

## 10.5. □□□ □ □□

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## 10.6. □□□ □□□□ □□□□

May release flammable gases.

## □□ 11: □□□ □□ □□

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

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## ALLYL CHLORIDE FOR SYNTHESIS (107-05-1)

□□(□□□)	0.362 mm <sup>2</sup> /s
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## 11.2. □□ □□ □□

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## □□ 12: □□□ □□□ □□

### 12.1. □□

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## 12.2. □□□ □ □□□

## ALLYL CHLORIDE FOR SYNTHESIS (107-05-1)

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## 12.3. □□ □□□

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# ALLYL CHLORIDE FOR SYNTHESIS

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□□ (EU) 2020/878 □□ □□ REACH □□ (EC) 1907/2006 □□ □□

## IMDG

□□□□□□□□□□ (IMDG)  
□□ □□ (IMDG)

: 3 (6.1)  
: 3, 6.1  
:



## IATA

□□□□□□□□□□ (IATA)  
□□ □□ (IATA)

: 3 (6.1)  
: 3, 6.1  
:



## ADN

□□□□□□□□□□ (ADN)  
□□ □□ (ADN)

: 3 (6.1)  
: 3, 6.1  
:



## RID

□□□□□□□□□□ (RID)  
□□ □□ (RID)

: 3 (6.1)  
: 3, 6.1  
:



## 14.4. □□□□

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

## 14.5. □□ □□□

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EmS-No. (□□) : F-E  
EmS-No. (□□) : S-D  
□□ □□□□□ : □□ □□ □□ □□

## 14.6. □□□□ □□ □□ □□□□

□□ □□ : FT1  
□□ □□ (ADR) : 0  
□□□ (ADR) : E0  
□□ □□ (ADR) : P001  
□□ □□ □□ □□ □□ (ADR) : MP7, MP17  
□□□ □□ □ □□ □□□□ □□ (ADR) : T14  
□□□ □□ □ □□ □□□□ □□ □□ (ADR) : TP2  
□□ □□ (ADR) : L10CH  
□□ □□ □□ (ADR) : TU14, TU15, TE21  
□□ □□□□ □□ : FL  
□□ □□ (ADR) : 1

# ALLYL CHLORIDE FOR SYNTHESIS

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□□ (EU) 2020/878 □□ □□□ REACH □□ (EC) 1907/2006 □□ □□

□□ □□ □□ □□ -□□, □□ □□ □□(ADR) : CV13, CV28  
□□ □□ □□ □□ - □□(ADR) : S2, S22  
□□ □□ □□(Kemler □□) : 336  
Orange plates (□□□□□□) :



□□ □□ □□ (ADR) : C/E  
EAC □□ : 3YE

□□ □□

□□ □□(IMDG) : 0  
□□□(IMDG) : E0  
□□ □□ (IMDG) : P001  
□□ □□ (IMDG) : T14  
□□ □□ □□ (IMDG) : TP2, TP13  
□□ □□ (IMDG) : E  
□□ □□ □□(IMDG) : SW2  
□□(IMDG) : SGG10  
□□□ (IMDG) : -29°C c.c.  
□□□ □□□□ (IMDG) : Colourless liquid with an unpleasant pungent odour. Flashpoint: -29°C c.c. Explosive limits: 3.3% to 11.1%. Boiling point: 44°C. Immiscible with water. Toxic if swallowed, by skin contact or by inhalation.

MFAG-□□ : 131

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PCA □□ □□(IATA) : E0  
PCA □□ □□(IATA) : Forbidden  
PCA □□ □□ □□ □□□(IATA) : Forbidden  
PCA □□ □□(IATA) : Forbidden  
PCA □□ □□□(IATA) : Forbidden  
CAO □□ □□(IATA) : 361  
CAO □□ □□□(IATA) : 30L  
ERG □□(IATA) : 3P

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□□ □□(ADN) : FT1  
□□ □□(ADN) : 802  
□□□(ADN) : 0  
□□□(ADN) : E0  
□□□□(ADN) : T  
□□ □□(ADN) : PP, EP, EX, TOX, A  
□□(ADN) : VE01, VE02  
□□ □□/□□□□ □□(ADN) : 2

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□□ □□(RID) : FT1  
□□ □□(RID) : 0  
□□□(RID) : E0  
□□ □□ (RID) : P001  
□□ □□ □□ □□ □□(RID) : MP7, MP17  
□□□ □□ □□ □□□□ □□ (RID) : T14  
□□□ □□ □□ □□□□ □□ □□ (RID) : TP2  
RID □□□ □□ □□(RID) : L10CH  
RID □□□ □□ □□(RID) : TU14, TU15, TU38, TE21, TE22  
□□ □□(RID) : 1  
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□□□ □□ □□ (RID) : 336

## 14.7. □□□□□□(IMO) □□ □□ □□ □□

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# ALLYL CHLORIDE FOR SYNTHESIS

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□□ (EU) 2020/878 □□ □□□ REACH □□ (EC) 1907/2006 □□ □□

## □□ 15: □□ □□□□

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

EU □□

REACH □□□ XVII (□□ □□)

EU restriction □□ (REACH Annex XVII)	
□□ □□	□□ □□
3(a)	ALLYL CHLORIDE FOR SYNTHESIS
3(b)	ALLYL CHLORIDE FOR SYNTHESIS
3(c)	ALLYL CHLORIDE FOR SYNTHESIS
40.	ALLYL CHLORIDE FOR SYNTHESIS

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)

Not listed on the COUNCIL REGULATION (EC) of dual-use items.

□□ □□□□ □□ (2019/1148)

Not listed on the Explosives Precursors list (EU)

□□ □□□□ □□ (273/2004)

Not listed on the Drug Precursors list (EU)

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RG 12	

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WGK : WGK 2, □□□ □□□ □□ (Classification according to AwSV; ID □□ 15).

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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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# ALLYL CHLORIDE FOR SYNTHESIS

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□□ (EU) 2020/878 □□ □□□ REACH □□ (EC) 1907/2006 □□ □□

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: Act of 25 February 2011 on chemical substances and their mixtures (J. o L. No. 63, item 322 as amended; consolidated text J. o L. 2019, item 1225).  
Act of 14 December 2012 on waste (J. o L. 2013, item 322 as amended; consolidated text J. o L. 2020, item 797).  
The announcement of Marshal of the Sejm of the Republic of Poland dated 19 October 2016 concerning the consolidated text announcement of the decree on the management of packaging and packaging waste (J. o L. 2016, item 1863 as amended).  
Decree of the Minister of Environment of 14 December 2014 on the catalogue of waste (J. o L. 2014, item 1923).  
Act of 19 August 2011 on the Carriage of Dangerous Goods (J. o L. 2011 No. 227, item 1367 as amended; consolidated text J. o L. 2020, item 154).  
Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the highest permissible concentration and intensity of noxious agents for health at work environment (J. o L. item 1286 as amended).  
The announcement of Minister of Health dated 9 September 2016 concerning the consolidated text announcement of the decree of the Minister of Health of 30 December 2004 on health and safety at work related to exposure to chemical agents at work (J. o L. of 16 September 2016, item 1488)  
Regulation of the Minister of Health of 2 February 2011 on tests and measurements of the noxious agents for health at work environment (J. o L. No. 33, item 166 as amended).  
Regulation of the Minister of Environment of 9 December 2003 on particularly hazardous substances to the environment (J. o L. No. 217, item 2141).  
ADR Agreement: Government Statement of 13 March 2023 on the entry into force of amendments to Annexes A and B to the Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), signed in Geneva on 30 September 1957 (J. o. L. 2023, item 891)

## 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	□□□ □□□□

# ALLYL CHLORIDE FOR SYNTHESIS

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□□ (EU) 2020/878 □□ □□□ REACH □□ (EC) 1907/2006 □□ □□

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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-□□ □□:	
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# ALLYL CHLORIDE FOR SYNTHESIS

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H225	□□□□ □□ □ □□.
H302	□□□ □□□.
H312	□□□ □□□□ □□□.
H315	□□□ □□□ □□□.
H319	□□ □□ □□□ □□□.
H332	□□□□ □□□.
H335	□□□ □□□ □□□ □ □□.
H341	□□□□ □□□ □□□ □□□ □□□.
H351	□□ □□□ □□□ □□□.
H373	□□□ □□ □□ □□□□ □□□ □□□ □□□ □ □□.
H400	□□□□□□ □□ □□□.

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