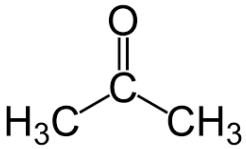
ACETONE 99.9% GC

□□□□□□□□□

□□ (EU) 2020/878□ □□ □□□ REACH □□ (EC) 1907/2006□ □□
SDS Reference Number: 0013A
□□ □□□□: 3/12/2019 □□ □□□□: 8/26/2026 □□ □□: 8/9/2021 □□: 1.1

□□ 1: □□□□□□ □□□ □□ □□

1.1. □□□□

□□ □□	:	□□
□□□	:	ACETONE 99.9% GC
IUPAC □□	:	Propan-2-one
EC □□ □□	:	606-001-00-8
EC □□	:	200-662-2
CAS □□	:	67-64-1
□□ □□	:	0013A
□□ □□	:	ketones
□□□	:	C3H6O
□□ □□	:	
□□□	:	Propanone, Dimethyl ketone, 2-Propanone, Dimethyl carbonyl

1.2. □□□□ □□ □□□□ □□ □□ □□ □□

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□□/□□□ □□ □□	:	Industrial For professional use only
□□□□/□□□□ □□	:	Laboratory chemicals □□□ □□ Pharmaceuticals □□

1.3. □□□□□□□□□ □□□ □□

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400005 Mumbai
INDIA
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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]□ □□ □□

□□□ □□, □□ 2	H225
□□ □ □□□/□ □□□, □□ 2	H319
□□□□□□ □□ - 1□ □□, □□ 3, □□ □□	H336

H-□□ □ EUH-□□ □□: □□ 16 □□

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2.2. □□□□□□□□ □□□ □□□□ □□

□□ (EC) No. 1272/2008□ □□ □□ □□[CLP]

□□ □□ □□□□(CLP) :

GHS02 GHS07

□□□ (CLP) : □□

□□·□□ □□ (CLP) : H225 - □□□□ □□ □ □□.
H319 - □□ □□ □□□ □□□.
H336 - □□ □□ □□□□ □□□ □ □□.

□□ □□ □□(CLP) : P210 - □·□□□ □□·□□□·□□·□□ □□□□□□□□ □□□□□. □□.
P261 - □□, □, □□, □□□, □□□□, □□ □ □□□ □□□□.
P305+P351+P338 - □□ □□□□: □ □□ □□ □□□□ □□□□. □□□□ □□□ □□□ □□□□□. □□ □ □□□.

EUH □□ : EUH066 - □□□ □□ □ □□ □□ □□ □□□□ □□□ □ □□□□.

2.3. □□ □□

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□□ 3: □□□□□□ □□ □ □□□

3.1. □□□□

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□□	□□□□	%
ACETONE	CAS □□: 67-64-1 EC □□: 200-662-2 EC □□ □□: 606-001-00-8	100

□□ 4: □□□□□□□

4.1. □□□□ □□

□□ □□ □□ : □□□□ □□□ □□□□(□□)□ □□□ □□□□.

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□□ □□□□ □ : □ □□ □□ □□□□ □□□□. □□□□ □□□□□□ □□□□□. □□ □□□□. □□ □□□ □□□□: □□□ □ □□/□□□ □□□□.

□□□ □ : Rinse mouth out with water. If you feel unwell, seek medical advice. □□□□ □□□ □□□□(□□)□ □□□ □□□□.

4.2. □□ □ □□□ □□ □□□ □□ □ □□

□□/□□ : □□ □□ □□□□ □□□ □ □□.

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

4.3. □□□□ □□ □ □□ □□ □□ □□ □□

Treat symptomatically.

□□ 5: □□·□□□ □□□□

5.1. □□□ □□□

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

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

5.2. □□□□□□□□ □□□ □□ □□□

□□ □□ : □□□□ □□ □ □□.

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

5.3. □□□□ □□□□ □ □□□□

□□ □□ □ □□ : 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.

□□□ □□ □□

□□ □□ : Ventilate spillage area. Avoid contact with skin, eyes and clothing. □□, □□□□ □□ □□. □□. □□, □, □□, □□□, □□□□, □□ □ □□□ □□□□.

□□ □□ □□

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

6.2. □□□ □□□□ □□ □□□ □□□□

□□□□ □□□□ □□□.

6.3. □□ □□ □□ □□

□□ □□ : Take up liquid spill into absorbent material. □□□□ □□□□. 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. □□□□□□

□□□□□□ : □□ □ □□□ □□□ □□□□. □□ □□ □ □□ □□□□ □□□□ □□□. □, □□□ □□, □□□, □□ □ □ □□ □□□□□□□ □□□□□. □□. □□□ □□□□□ □□□□□. □□□□ □□□□ □□ □□□ □□□□□. □□□ □□ □□□ □□□□. □□ □ □□□ □□□ □□□ □ □□. 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. □□□□ □□□ □□□ □□□ □□ □□

□□□ □□ : □□□ □□□□□ □□□□□.

□□ □□ : Heat sources. □□□□. Keep in fireproof place. □□□ □□□ □□□□□. □□□ □ □□ □□ □□□□□. □□□□ □□□□□. □□□□□ □□ □□□□□.

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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□ □ □□ □□□

□ □□:

Chemical goggles or safety glasses

Skin protection

□□ □□:

Wear a mask

□ □□:

Wear protective gloves

□□ □□ □□

□□□□ □□:

Wear protective clothing

□□□ □□

□□□ □□:

Wear appropriate mask

□□ □□ □□

□□ □□ □□:

□□□□ □□□□ □□□.

□□ 9: □□□□□ □□

9.1. □□□□ □□□□□ □□□ □□ □□

□□□ □□	:	□□
□□	:	Colourless.
□□	:	Clear liquid.
□□□	:	58.08 g/mol
□□	:	fragrant, mint-like.
□□ □□	:	62 ppm
□□□	:	□□□□
□□□	:	-94.9 °C
□□ □□□□ □□□ □□	:	56 °C

□□□	:	□□□□
□□ □□□	:	2 Vol-%
□□ □□□	:	13 Vol-%
□□□	:	-20 °C
□□□□ □□	:	465 °C
□□ □□	:	□□□□
pH	:	7
□□(□□□)	:	0.405 mm²/s
□□(□□□□)	:	0.32 mPa·s at 20 °C
□□□	:	□: Completely miscible □□□: Miscible with Ethanol □□□: Miscible with Ether
Partition coefficient n-octanol/water (Log Kow)	:	□□□□
□□□	:	24 kPa at 20 °C
50°C□□□ □□□	:	□□□□
□□	:	0.791 g/cm³ at 20 °C
□□	:	□□□□
20°C□□□ □□ □□ □□	:	2 (Air = 1)
□□ □□	:	□□□□

9.2. □ □□ □□□□

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□□ □□	:	235 °C

□□ □□ □□

□□□	:	1.358 – 1.36 (20°C; 589 nm)

□□ 10: □□□ □ □□□

10.1. □□□

□□□□ □□ □ □□.

10.2. □□□ □□□

□□□□ □□ □□ □□□ □ □□. Stable under normal conditions.

10.3. □□ □□□ □□□

No dangerous reactions known under normal conditions of use.

10.4. □□□ □ □□

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

10.5. □□□ □ □□

□□ □□

10.6. □□□ □□□□ □□□□

May release flammable gases.

□□ 11: □□□ □□ □□

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

□□ □□ (□□)	:	□□□□ □□
□□ □□ (□□)	:	□□□□ □□
□□ □□ (□□)	:	□□□□ □□
□□ □□□ □□ □□□	:	□□□□ □□ pH: 7
□□ □□	:	□□ □□ □ □□ □□ □□ □□□□ □□□ □ □□

□□ □ □□ □□ □□□	: □□ □□ □□□ □□□. pH: 7
□□□ □□ □□ □□□	: □□□□ □□
□□□□ □□□□	: □□□□ □□
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□□□□	: □□□□ □□
□□ □□□□ □□ (1□ □□)	: □□ □□ □□□□ □□□ □ □□.
□□ □□□□ □□ (□□ □□)	: □□□□ □□
□□ □□□	: □□□□ □□

ACETONE 99.9% GC (67-64-1)	
□□(□□□)	0.405 mm²/s

11.2. □□ □□ □□

□□ □□

□□ 12: □□□ □□□ □□

12.1. □□

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

12.2. □□□ □ □□□

ACETONE 99.9% GC (67-64-1)	
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12.3. □□ □□□

□□ □□

12.4. □□ □□□

□□ □□

12.5. PBT □ vPvB □□ □□

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12.6. □□□ □□ □□

□□ □□

12.7. □□ □□ □□

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□□ 13: □□□ □□□□

13.1. □□□ □□□

□□□ □□□	: Dispose of contents/container in accordance with licensed collector’s sorting instructions.
□□/□□ □□ □□□□	: □□ □□ □□□ □□□□ □□ □□□. (□□□ □ □□□ □□□□, □ □□□ □□□ □□□□ □□ □□) □ □□ □□ □□□ □□□□□.
□□ □□	: Handle empty containers with care because residual vapours are flammable. □□ □ □□□ □□□ □□ □ □ □□.

□□ 14: □□□ □□□ □□

ADR / IMDG / IATA / ADN / RID□ □□

14.1. UN □□ □□ ID □□

UN-□□ (ADR)	:	UN 1090
UN-□□ (IMDG)	:	UN 1090
UN-□□ (IATA)	:	UN 1090
UN-□□ (ADN)	:	UN 1090
UN-□□ (RID)	:	UN 1090

14.2. UN □□ □□□

□□ □□□ (ADR)	:	□□□
□□ □□□ (IMDG)	:	ACETONE
□□ □□□ (IATA)	:	Acetone
□□ □□□ (ADN)	:	□□□
□□ □□□ (RID)	:	□□□
□□ □□ □□ (ADR) (ADR)	:	UN 1090 □□□, 3, II, (D/E)
Transport document description (IMDG)	:	UN 1090 ACETONE, 3, II (-20°C c.c.)
Transport document description (IATA)	:	UN 1090 Acetone, 3, II
Transport document description (ADN)	:	UN 1090 □□□, 3, II
Transport document description (RID)	:	UN 1090 □□□, 3, II

14.3. □□□□□ □□□ □□

ADR

□□□□□ □□□ □□ (ADR)	:	3
□□ □□ (ADR)	:	3
	:	

IMDG

□□□□□ □□□ □□ (IMDG)	:	3
□□ □□ (IMDG)	:	3
	:	

IATA

□□□□□ □□□ □□ (IATA)	:	3
□□ □□ (IATA)	:	3
	:	

ADN

□□□□□ □□□ □□ (ADN)	:	3
□□ □□ (ADN)	:	3
	:	

RID

□□□□□ □□□ □□ (RID)	:	3

□□ □□ (RID) : 3

:

14.4. □□□□

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

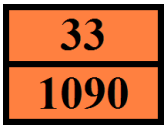
14.5. □□ □□□

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

14.6. □□□□ □□ □□ □□□□

□□ □□

□□ □□ (ADR) : F1
□□□(ADR) : 11
□□□(ADR) : E2
□□ □□(ADR) : P001, IBC02, R001
□□ □□ □□ □□ □□(ADR) : MP19
□□□ □□ □ □□ □□□□ □□ (ADR) : T4
□□□ □□ □ □□ □□□□ □□ □□ (ADR) : TP1
□□ □□(ADR) : LGBF
□□ □□□ □□ : FL
□□ □□(ADR) : 2
□□ □□ □□ □□ - □□(ADR) : S2, S20
□□ □□ □□(Kemler □□) : 33
Orange plates (□□□□□□) :



□□ □□ □□ (ADR) : D/E
EAC □□ : •2YE

□□ □□

□□ □□(IMDG) : 1 L
□□□(IMDG) : E2
□□ □□ (IMDG) : P001
IBC □□ □□(IMDG) : IBC02
□□ □□ (IMDG) : T4
□□ □□ □□ (IMDG) : TP1
□□ □□ (IMDG) : E
□□□ (IMDG) : -20°C to -18°C c.c.
MFAG-□□ : 127

□□ □□

PCA □□ □□(IATA) : E2
PCA □□ □□(IATA) : Y341
PCA □□ □□ □□ □□□(IATA) : 1L
PCA □□ □□(IATA) : 353
PCA □□ □□□(IATA) : 5L
CAO □□ □□(IATA) : 364
CAO □□ □□□(IATA) : 60L

ERG □□(IATA)	:	3H

□□ □□ □□

□□ □□(ADN)	:	F1
□□□(ADN)	:	1 L
□□□(ADN)	:	E2
□□□□(ADN)	:	T
□□ □□(ADN)	:	PP, EX, A
□□(ADN)	:	VE01
□□ □□/□□□ □□(ADN)	:	1

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□□ □□(RID)	:	F1
□□ □□(RID)	:	1L
□□□(RID)	:	E2
□□ □□ (RID)	:	P001, IBC02, R001
□□ □□ □□ □□ □□(RID)	:	MP19
□□□ □□ □ □□ □□□□ □□ (RID)	:	T4
□□□ □□ □ □□ □□□□ □□ □□ (RID)	:	TP1
RID □□□ □□ □□(RID)	:	LGBF
□□ □□(RID)	:	2
□□ □□□	:	CE7
□□□ □□ □□ (RID)	:	33

14.7. □□□□□□□(IMO)□ □□ □□ □□ □□

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

EU □□

REACH □□□ XVII (□□ □□)

EU restriction □□ (REACH Annex XVII)	
□□ □□	□□ □□
3(a)	ACETONE 99.9% GC
3(b)	ACETONE 99.9% GC
40.	ACETONE 99.9% GC

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)

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□□□ **II** □□ □□ □□ □□□□

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□□	CAS □□	□□□□□ □□(CN)	□□ □□□□□ □□(CN)□ □□ □□□ □□□□ □□ □□□□□ □□ □□□ □ □□ □□□□□ □□
Acetone	67-64-1	2914 11 00	ex 3824 99 92

□□ □□□□ □□ **(273/2004)**

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□□	CN □□	CAS □□	CN □□	□□, Subcategory	□□□	□□□
Acetone		67-64-1	2914 11 00	□□ 3		□□□ I

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Listed or contains substance(s) on the Denmark - Indicative list of organic solvents present in Annex 3.4.1 of the WEA Guidance C.0.1-1: Acetone (67-64-1)

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RG 84	

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WGK : WGK 1, □□ □□ □□ □□ (Classification according to AwSV; ID □□ 6).

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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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□□□ □□ □□ : 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)
Regulation of the Minister of Health of 25 August 2015 on the method of marking places, pipelines, and containers and tanks used for storing or containing hazardous substances or hazardous mixtures (J.o.L. 2015, item 1368 as amended)

15.2. □□ □□ □□□ □□

No chemical safety assessment has been carried out

□□ 16: □ □□ □□□□

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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)
COD	□□□ □□ □□□
DMEL	Derived Minimal Effect level
DNEL	□□ □□□ □□
EC □□	□□ □□□ □□
EC50	Median effective concentration
EN	□□ □□
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration

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LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	□□□ □□ □□
PBT	Persistent Bioaccumulative Toxic
PNEC	□□ □□□ □□
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	□□□□□□□□
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
COV	Volatile Organic Compounds
CAS □□	□□□□ □□ □□ □□(CAS)
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	□□□ □□□□

H-□□ □ EUH-□□ □□:	
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H225	□□□□ □□ □ □□.
H319	□□ □□ □□□ □□□.
H336	□□ □□ □□□□ □□□ □ □□.
EUH066	□□□ □□ □ □□ □□ □□ □□□□ □□□ □ □□□□.

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