CHLORAMINE T TRIHYDRATE AR/ACS

□□□□□□□□□

□□ (EU) 2020/878□ □□ □□□ REACH □□ (EC) 1907/2006□ □□
SDS Reference Number: 02700
□□ □□□□: 4/9/2014 □□ □□□□: 1/24/2025 □□ □□: 5/18/2016 □□: 1.0

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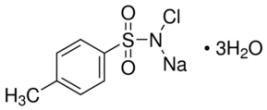
1.1. □□□□

□□ □□	:	□□
□□□	:	CHLORAMINE T TRIHYDRATE AR/ACS
EC □□ □□	:	616-010-00-9
EC □□	:	204-854-7
CAS □□	:	7080-50-4
□□ □□	:	02700
□□ □□	:	Organic compound
□□□	:	C7H7ClNO2SNa·3H2O
□□ □□	:	
□□□	:	Tosylchloramide Sodium Trihydrate, N-chlorotosylamide sodium salt Trihydrate, N-Chloro-para-toluenesulphonylamide Trihydrate, Sodium N-chloro-4-ethylbenzenesulphonomite Trihydrate

1.2. □□□□ □□ □□□□ □□ □□ □□ □□

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

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]□ □□ □□

□□ □□ (□□), □□ 4	H302
□□ □□□/□□ □□□, □□ 1, □□□□ 1B	H314
□□□ □□□, □□ 1	H334

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2.2. □□□□□□□□ □□□ □□□□ □□

□□ (EC) No. 1272/2008□ □□ □□ □□[CLP]

□□ □□ □□□□(CLP) :

GHS05 GHS07 GHS08

□□□ (CLP) : □□

□□·□□ □□ (CLP) : H302 - □□□ □□□.
H314 - □□□ □□ □□□ □ □□□ □□□.
H334 - □□ □ □□□□□ □□, □□ □□ □□ □□□ □□□ □ □□.

□□ □□ □□(CLP) : P260 - □□·□·□□·□□□·□□·□□□□ □(□) □□□□ □□□.
P280 - □□□□, □□□, □□□, □□□□□ □(□) □□□□□.
P301+P312 - □□ □□: □□□□ □□□ □□ □□ □□ □□ □□ □(□) □□□□.
P303+P361+P353 - □□(□□ □□□□)□ □□□ □□□ □□ □□□ □□ □□□□. □□□ □□ □□□□ .
P304+P340 - □□□□ □□□ □□□ □□ □□□ □□□ □□□□ □□ □□□ □□□ □□□□.
P305+P351+P338 - □□ □□□□: □ □□ □□ □□□□ □□□□. □□□□ □□□ □□□ □□□□□. □□ □ □□□.

2.3. □□ □□

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

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3.1. □□□□

□□ □□ : □□□□□□

□□	□□□□	%
CHLORAMINE T TRIHYDRATE	CAS □□: 7080-50-4 EC □□: 204-854-7 EC □□ □□: 616-010-00-9	100

□□ 4: □□□□□□□

4.1. □□□□ □□

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

□□□□ □ : □□□ □□□ □□ □□□ □□□ □□□□ □□ □□□ □□□ □□□□. □□□ □□□ □□ □□□ □□□ □□□ □ □□ □□□ □□□ □□□□. □□ □□□□/□□□ □□□ □□□□. If experiencing respiratory symptoms: Call a poison center or a doctor.

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

4.2. □□ □ □□□ □□ □□□ □□ □ □□

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□□ □□ □ □□/□□ : Burns.

□ □□ □ □□/□□ : Serious damage to eyes.

□□ □ □□/□□ : □□□ □□□. Burns.

4.3. □□□□ □□ □ □□ □□ □□ □□ □□

Treat symptomatically.

□□ 5: □□·□□□ □□□□

5.1. □□□ □□□

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

□□□□ □□□ : 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 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.

□□ □□ : Ventilate spillage area. Evacuate unnecessary personnel. □□ □ □□□ □□□ □□□□. □□/□/□□/□ □□/□□/□□□□ □(□) □□□□ □□□.

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

□□ □□ : Ventilate area. 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. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. 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.

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7.1. □□□□□□

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□□□□□□ : Ensure good ventilation of the work station. □□ □ □□□ □□□ □□□□. Do not breathe vapours. Provide good ventilation in process area to prevent formation of vapour. □□/□/□□/□□□/□□/□□□ □ □(□) □□□□ □□□. □□ □□□□ □□□□□.

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

□□□ □□	:	Comply with applicable regulations.
□□ □□	:	□□□ □ □□ □□ □□□□□. □□□ □□□ □□□□□. □□□□□ □□ □□□□□.
□□□	:	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

Skin protection

□□ □□:

Wear a mask

□ □□:

Protective gloves

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□□□ □□:

Wear appropriate mask

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□□ 9: □□□□□ □□

9.1. □□□□ □□□□□ □□□ □□ □□

□□□ □□	:	□□
□□	:	White.
□□	:	Crystalline powder.
□□□	:	281.69 g/mol
□□	:	chlorine like.
□□ □□	:	□□□□
□□□	:	167 – 170 °C
□□□	:	□□□□

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□□□	:	192 °C
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□□ □□	:	□□□□
pH	:	8 – 11 at 25 °C
pH □□□ □□	:	5 %
□□(□□□)	:	□□□□
□□□	:	□: Soluble in water
Partition coefficient n-octanol/water (Log Kow)	:	□□□□
□□□	:	□□□□
50°C□□□ □□□	:	□□□□
□□	:	1.43 g/cm³
□□	:	□□□□
20°C□□□ □□ □□ □□	:	□□□□
Particle size	:	□□□□

9.2. □ □□ □□□□

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□□ 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. □□□ □ □□

Air contact. □□□□. Moisture.

10.5. □□□ □ □□

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10.6. □□□ □□□□ □□□□

Thermal decomposition generates : Corrosive vapours.

□□ 11: □□□ □□ □□

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

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□□ □□ (□□)	:	□□□□ □□
□□ □□□ □□ □□□	:	Causes severe skin burns. pH: 8 – 11 at 25 °C
□□ □ □□ □□ □□□	:	Assumed to cause serious eye damage pH: 8 – 11 at 25 °C
□□□ □□ □□ □□□	:	□□ □ □□□□□ □□, □□ □□ □□ □□□ □□□ □ □□.
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CHLORAMINE T TRIHYDRATE AR/ACS (7080-50-4)	
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11.2. □□ □□ □□

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□□ 12: □□□ □□□ □□

12.1. □□

□□□ - □□ : Before neutralisation, the product may represent a danger to aquatic organisms.

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12.2. □□□ □ □□□

CHLORAMINE T TRIHYDRATE AR/ACS (7080-50-4)	
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12.3. □□ □□□

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12.4. □□ □□□

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12.5. PBT □ vPvB □□ □□

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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 3263

UN-□□ (IMDG)	:	UN 3263
UN-□□(IATA)	:	UN 3263
UN-□□(ADN)	:	UN 3263
UN-□□(RID)	:	UN 3263

14.2. UN □□ □□□

□□ □□□ (ADR)	:	□□□ □□, □□□, □□□, □□ □□□ □□□ □□ □
□□ □□□ (IMDG)	:	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.
□□ □□□ (IATA)	:	Corrosive solid, basic, organic, n.o.s.
□□ □□□ (ADN)	:	□□□ □□, □□□, □□□, □□ □□□ □□□ □□ □
□□ □□□ (RID)	:	□□□ □□, □□□, □□□, □□ □□□ □□□ □□ □
□□ □□ □□ (ADR) (ADR)	:	UN 3263 □□□ □□, □□□, □□□, □□ □□□ □□□ □□ □ (CHLORAMINE T TRIHYDRATE), 8, III, (E)
□□ □□ □□ (IMDG)	:	UN 3263 CORROSIVE SOLID, BASIC, ORGANIC, N.O.S., 8, III
□□ □□ □□ (IATA)	:	UN 3263 Corrosive solid, basic, organic, n.o.s. (CHLORAMINE T TRIHYDRATE), 8, III
□□ □□ □□ (ADN)	:	UN 3263 □□□ □□, □□□, □□□, □□ □□□ □□□ □□ □, 8, III
□□ □□ □□ (RID)	:	UN 3263 □□□ □□, □□□, □□□, □□ □□□ □□□ □□ □, 8, III

14.3. □□□□□ □□□ □□

ADR

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□□ □□ (ADR)	:	8
	:	

IMDG

□□□□□ □□□ □□ (IMDG)	:	8
□□ □□ (IMDG)	:	8
	:	

IATA

□□□□□ □□□ □□ (IATA)	:	8
□□ □□ (IATA)	:	8
	:	

ADN

□□□□□ □□□ □□ (ADN)	:	8
□□ □□ (ADN)	:	8
	:	

RID

□□□□□ □□□ □□ (RID)	:	8
□□ □□ (RID)	:	8
	:	

14.4. □□□□

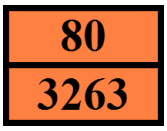
□□ □□ (ADR)	:	III
□□ □□(IMDG)	:	III
□□ □□ (IATA)	:	III
□□ □□(ADN)	:	III
□□ □□(RID)	:	III

14.5. □□ □□□

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

14.6. □□□□ □□ □□ □□□□

□□ □□

□□ □□(ADR)	:	C8
□□ □□(ADR)	:	274
□□□(ADR)	:	5kg
□□□(ADR)	:	E1
□□ □□(ADR)	:	P002, IBC08, LP02, R001
□□ □□ (ADR)	:	B3
□□ □□ □□ □□ □□(ADR)	:	MP10
□□□ □□ □ □□ □□□□ □□ (ADR)	:	T1
□□□ □□ □ □□ □□□□ □□ □□ (ADR)	:	TP33
□□ □□(ADR)	:	SGAV, L4BN
□□ □□□ □□	:	AT
□□ □□(ADR)	:	3
□□ □□ □□ □□ - □□ □□(ADR)	:	VC1, VC2, AP7
□□ □□ □□(Kemler □□)	:	80
Orange plates (□□□□□□)	:	
□□ □□ □□ (ADR)	:	E
EAC □□	:	2X

□□ □□

□□ □□ (IMDG)	:	223, 274
□□ □□(IMDG)	:	5 kg
□□□(IMDG)	:	E1
□□ □□ (IMDG)	:	P002, LP02
IBC □□ □□(IMDG)	:	IBC08
IBC □□ □□ (IMDG)	:	B3
□□ □□ (IMDG)	:	T1
□□ □□ □□ (IMDG)	:	TP33
□□ □□ (IMDG)	:	A
□□(IMDG)	:	SGG18, SG35
□□□ □□□□ (IMDG)	:	Reacts violently with acids. Causes burns to skin, eyes and mucous membranes.
MFAG-□□	:	154

□□ □□

PCA □□ □□(IATA)	:	E1
PCA □□ □□(IATA)	:	Y845
PCA □□ □□ □□ □□□(IATA)	:	5kg
PCA □□ □□(IATA)	:	860
PCA □□ □□□(IATA)	:	25kg
CAO □□ □□(IATA)	:	864
CAO □□ □□□(IATA)	:	100kg
□□ □□(IATA)	:	A3, A803
ERG □□(IATA)	:	8L

□□ □□ □□

□□ □□(ADN)	:	C8
□□ □□(ADN)	:	274
□□□(ADN)	:	5 kg
□□□(ADN)	:	E1
□□ □□(ADN)	:	PP, EP
□□ □□/□□□ □□(ADN)	:	0

□□ □□

□□ □□(RID)	:	C8
□□ □□(RID)	:	274
□□ □□(RID)	:	5kg
□□□(RID)	:	E1
□□ □□ (RID)	:	P002, IBC08, LP02, R001
□□ □□ (RID)	:	B3
□□ □□ □□ □□ □□(RID)	:	MP10
□□□ □□ □ □□ □□□□ □□ (RID)	:	T1
□□□ □□ □ □□ □□□□ □□ □□ (RID)	:	TP33
RID □□□ □□ □□(RID)	:	SGAV, L4BN
□□ □□(RID)	:	3
□□ □□ □□ □□ - □□ □□(RID)	:	VC1, VC2, AP7
□□ □□□	:	CE11
□□□ □□ □□ (RID)	:	80

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)

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□□	□□
RG 66	

□□

VOC ordinance (ChemVOCFarbV) :

WGK : WGK 3, □□ □□ □□□ (Classification according to AwSV).

□□ □□ □□(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□ □□:	
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□□ □□□ 1B	□□ □□□/□□ □□□, □□ 1, □□□□ 1B
□□□ □□□ 1	□□□ □□□, □□ 1
H302	□□□ □□□.
H314	□□□ □□ □□□ □ □□□ □□□.
H334	□□ □ □□□□□ □□, □□ □□ □□ □□□ □□□ □ □□.

□□□□□□□□(SDS), EU

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