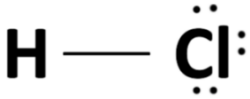
HYDROCHLORIC ACID 35% EXTRA PURE

□□□□□□□□□

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
SDS Reference Number: 00171
□□ □□□□: 4/12/2016 □□ □□□□: 1/17/2025 □□ □□: 4/12/2016 □□: 1.0

□□ 1: □□□□□□ □□□ □□ □□

1.1. □□□□

□□ □□	:	□□□
□□□	:	HYDROCHLORIC ACID 35% EXTRA PURE
EC □□ □□	:	017-002-01-X
EC □□	:	231-595-7
CAS □□	:	7647-01-0
□□ □□	:	00171
□□ □□	:	Acids
□□□	:	HCl
□□ □□	:	
□□□	:	Hydronium chloride, Chlorhydric acid, Chlorane, Muriatic acid

1.2. □□□□ □□ □□□□ □□ □□ □□ □□

□□ □□ □□

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

1.3. □□□□□□□□□ □□□ □□

LOBA CHEMIE PVT.LTD.
107 Wode House Road, Jehangir Villa, Colaba
400005 Mumbai
INDIA
T +91 22 6663 6663, F +91 22 6663 6699
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]□ □□ □□

□□ □□□/□□ □□□, □□ 1	H314
□□□□□□ □□ - 1□ □□, □□ 3, □□□□ □□	H335

□□(H) □□ □ EUH □□ □□: 16□ □□.

□□□□□, □□ □□ □ □□□□□□□□

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2.2. □□□□□□□□ □□□ □□□□ □□

□□ (EC) No. 1272/2008□ □□ □□ □□[CLP]

□□ □□ □□□□(CLP) :

GHS05 GHS07

□□□ (CLP) : □□

□□ : Hydrochloric acid

□□·□□ □□ (CLP) : H314 - □□□ □□ □□□ □ □□□ □□□.
H335 - □□□ □□□ □□□ □ □□.

□□ □□ □□(CLP) : P280 - □□□□, □□□, □□□, □□□□□ □(□) □□□□□.
P303+P361+P353 - □□(□□ □□□□)□ □□□ □□□ □□ □□□ □□ □□□□. □□□ □□ □□□□ .
P304+P340 - □□□□ □□□ □□□ □□ □□□ □□□ □□□□ □□ □□□ □□□ □□□□.
P305+P351+P338 - □□ □□□□: □ □□ □□ □□□□ □□□□. □□□□ □□□ □□□ □□□□□. □□ □ □□□.
P261 - □□·□·□□·□□□·□□·□□□□ □ □□□ □□□□.

2.3. □□ □□

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

□ □□□□ REACH□ 59(1)□□ □□ □□□ □□ □□□ □□ □□□ □□□ □□□ □□□□ □□ □□□ □□□□ □□ □□□, □□□ □□ □□ (EU) 2017/2100 □□ □□□ □ □ (EU) 2018/605□ □□□ □□□ □□ □□□ □□ □□□ □□ □□□ □□□, □□ 0.1% □□□ □□□ □□□□ □□ □□□□.

□□ 3: □□□□□□ □□ □ □□□

3.2. □□□

□□	□□□□	%	Regulation (EC) No.1272/2008 [CLP]□ □□ □□
WATER	CAS □□: 7732-18-5 EC □□: 231-791-2	65	□□□□ □□
Hydrochloric acid	CAS □□: 7647-01-0 EC □□: 231-595-7 EC □□ □□: 017-002-01-X	35	□□ □□□ 1, H314 □□ □□□□ □□ (1□ □□) 3, H335

□□(H) □□ □ EUH □□ □□: 16□ □□.

□□ 4: □□□□□□□

4.1. □□□□ □□

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

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

□□□ □□□□ □ : □□ □□□□ □□/□□□ □□□□. □□□ □□ □□□□[□□ □□□□□]. □□□ □□ □□□ □□ □□□□. Call a physician immediately.

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

□□□ □ : □□ □□□□□. □□□ □□ □□□. □□ □□□□/□□□ □□□ □□□□. Do not induce vomiting. Call a physician immediately.

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 extinguishing media containing water.

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. □□ □ □□□ □□□ □□□□. □□/□/□□/□ □□/□□/□□□□ □(□) □□□□ □□□.

□□ □□□□

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

□□ □□ : Evacuate unnecessary personnel. □□□□ □□□□ □□ □□□□ □□□ □□□□.

6.2. □□□ □□□□ □□ □□□ □□□□

□□□□ □□□□ □□□.

6.3. □□ □□ □□ □□

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

□□ □□ : 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. □□□□□□

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□□□□□□ : □□ □ □□□ □□□ □□□□. Do not breathe vapours. □□ □□ □□□ □ □□ □□□□ □□□□□. □□/□/□□/□□□/□□/□□□□ □(□) □□□□ □□□. □□ □□□□ □□□□□.

□□ □□ : 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. □□□□ □□□ □□□ □□□ □□ □□

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

□□ □□ □□ □□:

□ □ □□ □□□

□ □□:

Chemical goggles or face shield

Skin protection

□□ □□:

Wear a mask

□ □□:

Protective gloves

□□□ □□

□□□ □□:

Wear appropriate mask

□□ □□ □□

□□ □□ □□:

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□□ 9: □□□□□ □□

9.1. □□□□ □□□□□ □□□ □□ □□

□□□ □□	:	□□
□□	:	Colourless.
□□	:	Clear liquid.
□□□	:	36.46 g/mol
□□	:	Pungent.
□□ □□	:	□□□□
□□□	:	□□□□
□□□	:	-30 °C

□□ □□□□ □□□ □□	:	> 100 °C
□□□	:	□□□
□□ □□□	:	□□□□
□□ □□□	:	□□□□
□□□	:	□□□□
□□□□ □□	:	□□□□
□□ □□	:	□□□□
pH	:	< 1 at 20°C
□□(□□□)	:	1.944 mm²/s
□□(□□□□)	:	2.3 mPa·s at 15 °C
□□□	:	□: Miscible in water
Partition coefficient n-octanol/water (Log Kow)	:	□□□□
□□□	:	225 hPa at 20 °C
50°C□□□ □□□	:	□□□□
□□	:	1.183 g/cm³
□□	:	□□□□
20°C□□□ □□ □□ □□	:	1.2
□□ □□	:	□□□□

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. □□□ □ □□

None under recommended storage and handling conditions (see section 7).

10.5. □□□ □ □□

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10.6. □□□ □□□□ □□□□

Thermal decomposition generates : Corrosive vapours.

□□ 11: □□□ □□ □□

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

□□ □□ (□□)	:	□□□□ □□
□□ □□ (□□)	:	□□□□ □□
□□ □□ (□□)	:	□□□□ □□
□□ □□□ □□ □□□	:	Causes severe skin burns. pH: < 1 at 20°C

WATER (7732-18-5)	
pH	6 – 8 at 25°C

Hydrochloric acid (7647-01-0)	
pH	< 1

□□ □ □□ □□ □□□ : Assumed to cause serious eye damage
pH: < 1 at 20°C

WATER (7732-18-5)	
pH	6 – 8 at 25°C

Hydrochloric acid (7647-01-0)	
pH	< 1

□□□ □□ □□ □□□ : □□□□ □□
□□□□ □□□□ : □□□□ □□
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□□ □□□□ □□ (1□ □□) : □□□ □□□ □□□ □ □□.

Hydrochloric acid (7647-01-0)	
□□ □□□□ □□ (1□ □□)	□□□ □□□ □□□ □ □□.

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

HYDROCHLORIC ACID 35% EXTRA PURE (7647-01-0)	
□□(□□□)	1.944 mm²/s

WATER (7732-18-5)	
□□(□□□)	0.894 mm²/s

11.2. □□ □□ □□

□□ □□

□□ 12: □□□ □□□ □□

12.1. □□

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

12.2. □□□ □ □□□

HYDROCHLORIC ACID 35% EXTRA PURE (7647-01-0)	
□□□ □ □□□	□□ □□ □□

WATER (7732-18-5)	
□□□ □ □□□	□□ □□ □□

Hydrochloric acid (7647-01-0)	
□□□ □ □□□	□□ □□ □□

12.3. □□ □□□

□□ □□

12.4. □□ □□□

□□ □□

12.5. PBT □ vPvB □□ □□

□□ □□

12.6. □□□ □□ □□

□□ □□

12.7. □□ □□ □□

□□ □□

□□ 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 1789
UN-□□ (IMDG)	:	UN 1789
UN-□□(IATA)	:	UN 1789
UN-□□(ADN)	:	UN 1789
UN-□□(RID)	:	UN 1789

14.2. UN □□ □□□

□□ □□□ (ADR)	:	□□□□
□□ □□□ (IMDG)	:	HYDROCHLORIC ACID
□□ □□□ (IATA)	:	Hydrochloric acid
□□ □□□ (ADN)	:	□□□□
□□ □□□ (RID)	:	□□□□
□□ □□ □□ (ADR) (ADR)	:	UN 1789 □□□□, 8, II, (E)
□□ □□ □□ (IMDG)	:	UN 1789 HYDROCHLORIC ACID, 8, II
□□ □□ □□ (IATA)	:	UN 1789 Hydrochloric acid, 8, II
□□ □□ □□ (ADN)	:	UN 1789 □□□□, 8, II
□□ □□ □□ (RID)	:	UN 1789 □□□□, 8, II

14.3. □□□□□ □□□ □□

ADR

□□□□□ □□□ □□ (ADR)	:	8
□□ □□ (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) : II

□□ □□(IMDG) : II

□□ □□ (IATA) : II

□□ □□(ADN) : II

□□ □□(RID) : II

14.5. □□ □□□

□□□ □□ : □□□

□□□□□□ : □□□

EmS-No. (□□) : F-A

EmS-No. (□□) : S-B

□ □□ □□□□ : □□ □□ □□ □□

14.6. □□□□ □□ □□ □□□□

□□ □□

□□ □□(ADR) : C1

□□ □□(ADR) : 520

□□□(ADR) : 11

□□□(ADR) : E2

□□ □□(ADR) : P001, IBC02

□□ □□ □□ □□ □□(ADR) : MP15

□□□ □□ □ □□ □□□□ □□ (ADR) : T8

□□□ □□ □ □□ □□□□ □□ □□ (ADR) : TP2

□□ □□(ADR) : L4BN

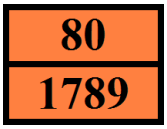
□□ □□ □□(ADR) : TU42

□□ □□□ □□ : AT

□□ □□(ADR) : 2

□□ □□ □□(Kemler □□) : 80

Orange plates (□□□□□□) :



□□ □□ □□ (ADR) : E

EAC □□ : 2R

□□ □□

□□ □□(IMDG)	:	1 L
□□□(IMDG)	:	E2
□□ □□ (IMDG)	:	P001
IBC □□ □□(IMDG)	:	IBC02
IBC □□ □□ (IMDG)	:	B20
□□ □□ (IMDG)	:	T8
□□ □□ □□ (IMDG)	:	TP2
□□ □□ (IMDG)	:	C
□□(IMDG)	:	SGG1, SG36, SG49
□□□ □□□□ (IMDG)	:	Colourless liquid. An aqueous solution of the gas hydrogen chloride. Highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.
MFAG-□□	:	157

□□ □□

PCA □□ □□(IATA)	:	E2
PCA □□ □□(IATA)	:	Y840
PCA □□ □□ □□ □□□(IATA)	:	0.5L
PCA □□ □□(IATA)	:	851
PCA □□ □□□(IATA)	:	1L
CAO □□ □□(IATA)	:	855
CAO □□ □□□(IATA)	:	30L
□□ □□(IATA)	:	A3, A803
ERG □□(IATA)	:	8L

□□ □□ □□

□□ □□(ADN)	:	C1
□□ □□(ADN)	:	520
□□□(ADN)	:	1 L
□□□(ADN)	:	E2
□□□□(ADN)	:	T
□□ □□(ADN)	:	PP, EP
□□ □□/□□□ □□(ADN)	:	0

□□ □□

□□ □□(RID)	:	C1
□□ □□(RID)	:	520
□□ □□(RID)	:	1L
□□□(RID)	:	E2
□□ □□ (RID)	:	P001, IBC02
□□ □□ □□ □□ □□(RID)	:	MP15
□□□ □□ □ □□ □□□□ □□ (RID)	:	T8
□□□ □□ □ □□ □□□□ □□ □□ (RID)	:	TP2
RID □□□ □□ □□(RID)	:	L4BN
RID □□□ □□ □□(RID)	:	TU42
□□ □□(RID)	:	2
□□ □□□	:	CE6
□□□ □□ □□ (RID)	:	80

14.7. □□□□□□□(IMO)□ □□ □□ □□ □□

□□□□

□□ 15: □□ □□□□

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

EU □□

REACH □□□ XVII (□□ □□)

EU restriction □□ (REACH Annex XVII)	
□□ □□	□□ □□
3(b)	HYDROCHLORIC ACID 35% EXTRA PURE

REACH □□□ XIV (□□ □□)

REACH □□□ XIV (□□ □□)□ □□□ □□ □□ □ □

REACH □□ □□ □□ (SVHC)

REACH □□ □□□ □□□ □□ □□ □ □

PIC □□ (□□□□□□)

PIC □□(□□ □□□□ □□□□ □□ □□ EU 649/2012)□ □□□ □□ □□ □ □

POP □□ (□□□ □□ □□□□)

POP □□□ □□□ □□ □□ □ □(□□□ □□ □□□□□ □□ □□ EC 2019/1021)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

□□□□ □□(428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

□□ □□□□ □□ (2019/1148)

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

□□ □□□□ □□ (273/2004)

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

□□	CN □□	CAS □□	CN □□	□□, Subcategory	□□□	□□□
Hydrochloric acid	Hydrogen chloride	7647-01-0	2806 10 00	□□ 3		□□□ I

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□□	□□
RG 66	

□□

VOC ordinance (ChemVOCFarbV) :

WGK : WGK 3, □□ □□ □□□ (AwSV, □□□ 1□ □□ □□).

□□ □□ □□(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 : □□ □□ □□□

□□□

□□□ □□ □□ : 18□ □□ □□□ □□ □□□ □□□□□

15.2. □□ □□ □□□ □□

No chemical safety assessment has been carried out

□□ 16: □ □□ □□□□

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ACGIH	American Conference of Governement 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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□□ □□□ 1	□□ □□□/□□ □□□, □□ 1
H314	□□□ □□ □□□ □ □□□ □□□.
H335	□□□ □□□ □□□ □ □□.

□□□□□□□□(SDS), EU

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