CYCLOHEXANONE PRA

□□□□□□□□

□□ (EU) 2020/878□ □□ □□□ REACH □□ (EC) 1907/2006□ □□
SDS Reference Number: 0088A
□□ □□□□: 12/12/2012 □□ □□□□: 3/20/2025 □□ □□: 11/25/2016 □□: 1.0

□□ 1: □□□□□ □□□ □□ □□

1.1. □□□□

□□ □□	:	□□
□□□	:	CYCLOHEXANONE PRA
EC □□ □□	:	606-010-00-7
EC □□	:	203-631-1
CAS □□	:	108-94-1
□□ □□	:	0088A
□□ □□	:	ketones
□□□	:	C6H10O
□□□	:	Oxocyclohexane, Pimelic ketone, Ketohexamethylene, Cyclohexyl ketone, / / Ketocyclohexane, Hexanon, Hydrol-O, Sextone

1.2. □□□□ □□ □□□□ □□ □□ □□ □□

□□ □□ □□

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

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]□ □□ □□

□□□ □□, □□ 3	H226
□□ □□ (□□), □□ 4	H302
□□ □□ (□□), □□ 4	H312
□□ □□ (□□), □□ 4	H332
□□ □□□/□□ □□□, □□ 2	H315
□□ □ □□□/□ □□□, □□ 1	H318

□□(H) □□ □ EUH □□ □□: 16□ □□.

□□□□□, □□ □□ □ □□□□□□□

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

2.2. □□□□□□□ □□□ □□□□ □□

□□ (EC) No. 1272/2008□ □□ □□ □□[CLP]

□□ □□ □□□□(CLP) :



GHS02 GHS05 GHS07

□□□ (CLP) : □□

□□·□□ □□ (CLP) : H226 - □□□ □□ □ □□.
H302+H312+H332 - □□□□, □□□ □□□□□ □□□□ □□□□□.

		H315 - □□□ □□□ □□□.
		H318 - □□ □□ □□□ □□□.
□□ □□ □□(CLP)	:	P210 - □·□□□ □□·□□□·□□·□□ □□□□□□□ □□□□□. □□.
		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

□□ 3: □□□□□ □□ □ □□□

3.1. □□□□

□□ □□ : □□□□□□

□□	□□□□	%
CYCLOHEXANONE	CAS □□: 108-94-1 EC □□: 203-631-1 EC □□ □□: 606-010-00-7	100

□□ 4: □□□□□□

4.1. □□□□ □□

□□ □□ □□	:	□□□□ □□□ □□□□(□□)□ □□□ □□□□.
□□□□ □	:	□□□ □□□ □□ □□□ □□□ □□□□ □□ □□□ □□□ □□□□. If you feel unwell, seek medical advice. □□□□ □□□ □□□□(□□)□ □□□ □□□□.
□□□ □□□□ □	:	□□□ □□ □□□ □□ □□□□. □□□ □□ □□□□[□□ □□□□□]. □□ □□□ □□□□: □□□□ □□/□ □□ □□□□.
□□ □□□□ □	:	□□□□ □□□□□□ □□□□□. □□ □□□□. □ □□ □□ □□□□ □□□□. Call a physician immediately.
□□□ □	:	Rinse mouth out with water. If you feel unwell, seek medical advice. □□ □□□□□. □□□□ □□□ □ □□□(□□)□ □□□ □□□□.
First-aid measures for first aider	:	□□□□ □□□□ □□□ □□ □□ □□□ □□□□ □□□.

4.2. □□ □ □□□ □□ □□□ □□ □ □□

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

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 extinguishing media containing water.

물질안전보건자료
규정 (EU) 2020/878에 의해 수정된 REACH 규정 (EC) 1907/2006에 따름

5.2. 화학물질로부터 생기는 특정 유해성

화재 위험 : 인화성 액체 및 증기.

폭발 위험 : May form flammable/explosive vapour-air mixture.
화재 시 위험한 분해성 물질 : Toxic fumes may be released.

5.3. 소방관의 화재진압 시 주의사항

소방 지침 : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
화재 진압 중 보호 : Do not attempt to take action without suitable protective equipment. 자급식 호흡보호구. Complete protective clothing.

섹션 6: 누출사고시 대처방법

6.1. 인체를 보호하기 위해 필요한 조치사항 및 보호구

일반 조치 : 점화원을 제거하시오. Use special care to avoid static electric charges. No open flames. No smoking. 안 전하게 처리하는 것이 가능하면 누출을 막으시오. 제품이 하수구 또는 상하수도로 들어갈 경우 당국에 통보. 물질손상
을 방지하기 위해 누출물을 흡수시키시오.

비응급 대응 요원

보호 장비 : Wear recommended personal protective equipment.
응급 조치 : Ventilate spillage area. Evacuate unnecessary personnel. 화염, 스파크에 노출 금지. 금연. Avoid contact with skin, eyes and clothing. 분진/흄/가스/미스트/증기/스프레이 의 흡입을 피하시오.

응급 대응 요원

보호 장비 : Do not attempt to take action without suitable protective equipment. 적절한 개인 보호구를 착용하시오. 보 다 자세한 정보는 섹션 8: "노출방지 및 개인보호구"를 참조하시오.

응급 조치 : Stop release. Evacuate unnecessary personnel. 안전하게 처리하는 것이 가능하면 누출을 막으시오.

6.2. 환경을 보호하기 위해 필요한 조치사항

환경으로 배출하지 마시오.

6.3. 정화 또는 제거 방법

봉쇄용 : 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.
세척 방법 : Take up liquid spill into absorbent material. 누출물을 모으시오. On land, sweep or shovel into suitable containers. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. 제
품이 하수구 또는 상하수도로 들어갈 경우 당국에 통보.

그 밖의 참고사항 : Dispose of materials or solid residues at an authorized site.

6.4. 기타 항목 참조

For further information refer to section 13.

섹션 7: 취급 및 저장방법

7.1. 안전취급요령

취급 시 발생가능한 추가 위험 : Handle empty containers with care because residual vapours are flammable.
안전취급요령 : No open flames. No smoking. 정전기 방지 조치를 취하시오. 스파크가 발생하지 않는 도구를 사용하시오. 열, 고 온의 표면, 스파크, 화염 및 그 밖의 점화원으로부터 멀리하시오. 금연. 용기와 수용설비를 접지하시오. 용기 내 인화
성 증기가 축적될 수 있음. Use explosion-proof equipment. 개인 보호구를 착용하시오. 눈, 피부, 의류에 묻지 않
도록 하시오. 옥외 또는 환기가 잘 되는 곳에서만 취급하시오. 분진/흄/가스/미스트/증기/스프레이 의 흡입을 피하시오

.

위생 조치 : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. 다시 사용 전 오염된 의류를 세척하시오. 이 제품을 사용할 때에는 먹거나, 마시거나 흡연
하지 마시오. Always wash hands after handling the product.

7.2. □□□□ □□□ □□□ □□□ □□ □□

□□□ □□	:	Proper grounding procedures to avoid static electricity should be followed. □□□ □□□□□ □□□□ □. □□□ □□·□□·□□.□□□ □□□□□.
□□ □□	:	□□□ □□□ □□□□□. □□□ □ □□ □□ □□□□□. □□□□ □□□□□.
□□□ □ □□	:	Heat sources.
□□□	:	Store always product in container of same material as original container.

7.3. □□ □□ □□

□□ □□

□□ 8: □□□□ □ □□□□□

8.1. □□ □□ □□

□□ □□

8.2. □□□□

□□□ □□□ □□

□□□ □□□ □□:

Ensure good ventilation of the work station.

□□ □□□

□□ □□□:

Wear recommended personal protective equipment.

□□ □□ □□ □□:



□ □ □□ □□□

□ □□:

Chemical goggles or safety glasses

Skin protection

□□ □□:

Wear a mask

□ □□:

Protective gloves

□□□ □□

□□□ □□:

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

□□ □□ □□

□□ □□ □□:

□□□□ □□□□ □□□.

□□ 9: □□□□□ □□

9.1. □□□□ □□□□□ □□□ □□ □□

□□□ □□	:	□□
□□	:	Colourless.
□□	:	Clear liquid.
□□□	:	98.15 g/mol
□□	:	acetone-like. peppermint-like.
□□ □□	:	□□□□

□□□	:	□□□□
□□□	:	-47 °C
□□ □□□□ □□□ □□	:	155.6 °C
□□□	:	Flammable. □□□ □□ □ □□
□□ □□□	:	1.1 vol %
□□ □□□	:	9.4 vol %
□□□	:	44 °C
□□□□ □□	:	420 °C
□□ □□	:	□□□□
pH	:	□□□□
□□(□□□)	:	2.133 – 2.138 mm²/s
□□(□□□□)	:	2.02 cP at 25 °C
□□□	:	□: 86 g/l at 20 °C - Miscible □□□: Miscible with Ethanol
Partition coefficient n-octanol/water (Log Kow)	:	□□□□
Partition coefficient n-octanol/water (Log Pow)	:	0.81
□□□	:	5 mm Hg at 20°C
50°C□□□ □□□	:	□□□□
□□	:	0.945 – 0.947 g/cm³ at 20 °C
□□	:	3.4
20°C□□□ □□ □□ □□	:	□□□□
□□ □□	:	□□□□

9.2. □ □□ □□□□

□□ □□ □□

□□ □□ □□(□□□□□□□□=1)	:	0.29
□□□	:	1.45 – 1.451 (20 °C, 589 nm)

□□ 10: □□□ □ □□□

10.1. □□□

□□□ □□ □ □□.

10.2. □□□ □□□

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

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□ □□□, □□□ □□□ □□ □□

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

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

CYCLOHEXANONE PRA (108-94-1)	
□□(□□□)	2.133 – 2.138 mm²/s

CYCLOHEXANONE (108-94-1)	
□□(□□□)	2.133 – 2.138 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. □□□ □ □□□

CYCLOHEXANONE PRA (108-94-1)	
□□□ □ □□□	□□ □□ □□

CYCLOHEXANONE (108-94-1)	
□□□ □ □□□	□□ □□ □□

12.3. □□ □□□

CYCLOHEXANONE (108-94-1)	
Partition coefficient n-octanol/water (Log Pow)	0.81

12.4. □□ □□□

□□ □□

12.5. PBT □ vPvB □□ □□

□□ □□

12.6. □□□ □□ □□

□□ □□

12.7. □□ □□ □□

□□ □□

물질안전보건자료
규정 (EU) 2020/878에 의해 수정된 REACH 규정 (EC) 1907/2006에 따름

섹션 13: 폐기시 주의사항

13.1. 폐기물 처리법

지역 규정(폐기물) : Disposal must be done according to official regulations.
폐기물 처리법 : Dispose of contents/container in accordance with licensed collector’s sorting instructions.
하수 처리 권장 사항 : Disposal must be done according to official regulations.
제품/포장 폐기 권고사항 : 지방, 관할, 국가 및/또는 국제 규정에 따라 유해물질 또는 특수 폐기물 수집 장소 에 내용물과 용기를 폐기하시오. Disposal must be done according to official regulations.
추가 정보 : Handle empty containers with care because residual vapours are flammable. 용기 내 인화성 증기가 축적 될 수 있음. Do not re-use empty containers.

섹션 14: 운송에 필요한 정보

ADR / IMDG / IATA / ADN / RID에 따름

14.1. UN 번호 또는 ID 번호

UN-번호 (ADR) : UN 1915
UN-번호 (IMDG) : UN 1915
UN-번호 (IATA) : UN 1915
UN-번호 (ADN) : UN 1915
UN-번호 (RID) : UN 1915

14.2. UN 적정 선적명

적정 선적명 (ADR) : 사이클로헥산온
적정 선적명 (IMDG) : CYCLOHEXANONE
적정 선적명 (IATA) : Cyclohexanone
적정 선적명 (ADN) : 사이클로헥산온
적정 선적명 (RID) : 사이클로헥산온
운송 문서 기술 (ADR) (ADR) : UN 1915 사이클로헥산온, 3, III, (D/E)
운송 문서 기술 (IMDG) : UN 1915 CYCLOHEXANONE, 3, III (38°C c.c.) 운송 문서 기술 (IATA) : UN 1915 Cyclohexanone, 3, III
운송 문서 기술 (ADN) : UN 1915 사이클로헥산온, 3, III
운송 문서 기술 (RID) : UN 1915 사이클로헥산온, 3, III

14.3. 운송에서의 위험성 등급

ADR

운송에서의 위험성 등급 (ADR) : 3
위험 라벨 (ADR) : 3



:

IMDG

운송에서의 위험성 등급 (IMDG) : 3 위험 라벨 (IMDG) : 3



:

IATA

운송에서의 위험성 등급 (IATA) : 3 위험 라벨 (IATA) : 3

물질안전보건자료
규정 (EU) 2020/878에 의해 수정된 REACH 규정 (EC) 1907/2006에 따름



:

ADN

운송에서의 위험성 등급 (ADN) : 3 위험 라벨 (ADN) : 3



:

RID

운송에서의 위험성 등급 (RID) : 3 위험 라벨 (RID) : 3



:

14.4. 용기등급

용기 등급 (ADR) : III 용기 등급(IMDG) : III 용기 등급 (IATA) : III 포장 그룹(ADN) : III 용기 등급(RID) : III

14.5. 환경 유해성

환경에 위험 : 비해당 해양오염물질 : 비해당

EmS-No. (화재) : F-E
EmS-No. (유출) : S-D

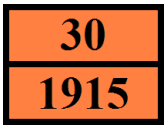
그 밖의 참고사항 : 가용 추가 정보 없음

14.6. 사용자를 위한 특별 주의사항

내륙 수송

분류 코드 (ADR) : F1
일정량(ADR) : 5l
극소량(ADR) : E1
포장 지침(ADR) : P001, IBC03, LP01, R001 공동 포장 관련 특별 규정(ADR) : MP19
휴대용 탱크 및 산적 컨테이너 지침 (ADR) : T2
휴대용 탱크 및 산적 컨테이너 특별 조항 (ADR) : TP1
탱크 코드(ADR) : LGBF
탱크 운반용 차량 : FL

운송 범주(ADR) : 3 운송 관련 특별 조항 - 포장(ADR) : V12 운송 관련 특별 조항 - 운영(ADR) : S2 위험 식별 번호(Kemler 번호) : 30 Orange plates (운반차량표시) :



터널 제한 코드 (ADR) : D/E EAC 코드 : •3Y

해상 운송

한정 수량(IMDG) : 5 L

□□□(IMDG)	:	E1
□□ □□ (IMDG)	:	P001, LP01
IBC □□ □□(IMDG)	:	IBC03
□□ □□ (IMDG)	:	T2
□□ □□ □□ (IMDG)	:	TP1
□□ □□ (IMDG)	:	A
□□□ (IMDG)	:	38°C to 44°C c.c.
□□□ □□□□ (IMDG)	:	Colourless liquid. Flashpoint: 38°C to 44°C c.c. Explosive limits: 1.1% to 9.4%. Immiscible with water.
MFAG-□□	:	127

□□ □□

PCA □□ □□(IATA)	:	E1
PCA □□ □□(IATA)	:	Y344
PCA □□ □□ □□ □□□(IATA)	:	10L
PCA □□ □□(IATA)	:	355
PCA □□ □□□(IATA)	:	60L
CAO □□ □□(IATA)	:	366
CAO □□ □□□(IATA)	:	220L
ERG □□(IATA)	:	3L

□□ □□ □□

□□ □□(ADN)	:	F1
□□□(ADN)	:	5 L
□□□(ADN)	:	E1
□□□□(ADN)	:	T
□□ □□(ADN)	:	PP, EX, A
□□(ADN)	:	VE01
□□ □□/□□□ □□(ADN)	:	0

□□ □□

□□ □□(RID)	:	F1
□□ □□(RID)	:	5L
□□□(RID)	:	E1
□□ □□ (RID)	:	P001, IBC03, LP01, R001
□□ □□ □□ □□ □□(RID)	:	MP19
□□□ □□ □ □□ □□□□ □□ (RID)	:	T2
□□□ □□ □ □□ □□□□ □□ □□ (RID)	:	TP1
RID □□□ □□ □□(RID)	:	LGBF
□□ □□(RID)	:	3
□□ □□ □□ □□ - □□(RID)	:	W12
□□ □□□	:	CE4
□□□ □□ □□ (RID)	:	30

14.7. □□□□□□(IMO)□ □□ □□ □□ □□

□□□□

□□ 15: □□ □□□□

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

EU □□

REACH □□□ XVII (□□ □□)

EU restriction □□ (REACH Annex XVII)	
□□ □□	□□ □□
3(a)	CYCLOHEXANONE PRA
3(b)	CYCLOHEXANONE PRA
40.	CYCLOHEXANONE PRA

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 1, □□ □□ □□ □□ (Classification according to AwSV; ID □□ 64).
□□ □□ □□(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	:	□□□ □□□□ □□□□□.

□□□

Class for fire hazard	:	□□ II-1
Store unit	:	5 liter
□□ □□ □□ □□	:	R10 <H226;H302+H312+H332;H315;H318>; □□□ □□ □□□ □□ □□ □□ □□□ □□□□ □□□
□□□ □□ □□	:	18□ □□ □□□ □□ □□□ □□□□□ □ □□□□ □□□□ □□/□□□□ □□ □□□ □□ □□□□ □ □□□.

□□□

□□□ □□ □□ : 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: □ □□ □□□□

□□ □ □□□□:	
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□ □□:	
□□ □□ 4 (□□)	□□ □□ (□□), □□ 4
□□ □□ 4 (□□)	□□ □□ (□□), □□ 4
□□ □□ 4 (□□)	□□ □□ (□□), □□ 4
□ □□□ 1	□□ □ □□□/□ □□□, □□ 1
□□□ □□ 3	□□□ □□, □□ 3
□□ □□□ 2	□□ □□□/□□ □□□, □□ 2
H226	□□□ □□ □ □□.
H302	□□□ □□□.

□H□ □ EUH□ □□:	
H312	□□□ □□□□ □□□.
H315	□□□ □□□ □□□.
H318	□□ □□ □□□ □□□.
H332	□□□□ □□□.

□□□□□□□□□(SDS), EU

□ □□□ □□ □□□ □□□□ □□ □□□ □□□ □ □□□ □□, □□ □ □□ □□□ □□□□ □□□ □□□□□ □□ □□□□. □□□□ □□□ □□□ □□□ □□□□ □□□ □□ □□□□ □ □□□.