LITHIUM BROMIDE ANHYDROUS EXTRA PURE

□□□□□□□□

□□ (EU) 2020/878□ □□ □□□ REACH □□ (EC) 1907/2006□ □□
SDS Reference Number: 04432
□□ □□□□: 4/9/2014 □□ □□□□: 1/30/2025 □□ □□: 4/9/2015 □□: 1.0

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1.1. □□□□

□□ □□	:	□□
□□□	:	LITHIUM BROMIDE ANHYDROUS EXTRA PURE
EC □□	:	231-439-8
CAS □□	:	7550-35-8
□□ □□	:	04432
□□ □□	:	Inorganic compound
□□□	:	LiBr
□□ □□	:	



□□□	:	Lithium monobromide

1.2. □□□□ □□ □□□□ □□ □□ □□ □□

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

1.3. □□□□□□□□ □□□ □□

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1.4. □□□□□□

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

□□ 2: □□□·□□□

2.1. □□□·□□□ □□

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

□□ □□ (□□), □□ 4	H302
□□ □□□/□□ □□□, □□ 2	H315
□□ □ □□□/□ □□□, □□ 2	H319
□□ □□□, □□ 1	H317

□□(H) □□ □ EUH □□ □□: 16□ □□.

□□□□□, □□ □□ □ □□□□□□□

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2.2. □□□□□□□ □□□ □□□□ □□

□□ (EC) No. 1272/2008□ □□ □□ □□[CLP]

□□ □□ □□□□(CLP) :



GHS07

□□□ (CLP) : □□

□□·□□ □□ (CLP)	:	H302 - □□□ □□□. H315 - □□□ □□□ □□□. H317 - □□□□□ □□ □□□ □□□ □ □□. H319 - □□ □□ □□□ □□□.
□□ □□ □□(CLP)	:	P280 - □□□□, □□□, □□□, □□□□□ □(□) □□□□□. P301+P312 - □□ □□: □□□□ □□□ □□ □□ □□ □□ □□ □(□) □□□□. P330 - □□ □□□□□. P302+P352 - □□□ □□□ □□□ □ □ □□□□. 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. □□□□

□□ □□ : □□□□□□

□□	□□□□	%
LITHIUM BROMIDE ANHYDROUS	CAS □□: 7550-35-8 EC □□: 231-439-8	100

□□ 4: □□□□□□

4.1. □□□□ □□

□□ □□ □□	:	□□□□ □□□ □□□□(□□)□ □□□ □□□□.
□□□□ □	:	□□□ □□□ □□ □□□ □□□ □□□□ □□ □□□ □□□ □□□□.
□□□ □□□□ □	:	Wash skin with plenty of water. □□□ □□□ □□□□. □□ □□ □□ □□□ □□□□: □□□□ □□/□□ □ □□□□.
□□ □□□□ □	:	□ □□ □□ □□□□ □□□□. □□□□ □□□□□□ □□□□□. □□ □□□□. □□ □□□ □□□□: □□□ □ □□/□□□ □□□□.
□□□ □	:	□□ □□□□□. □□□□ □□□ □□ □□ □□□ □□□□□ □□□□(□□)□ □□□ □□□□. □□□□ □□□ □□□□(□□)□ □□□ □□□□.
First-aid measures for first aider	:	□□□□ □□□□ □□□ □□ □□ □□□ □□□□ □□□.

4.2. □□ □ □□□ □□ □□□ □□ □ □□

□□ □ □□/□□	:	None under normal conditions. Dust of the product, if present, may cause respiratory irritation after excessive inhalation exposure.
□□ □□ □ □□/□□	:	□□. □□□□□ □□ □□□ □□□ □ □□.
□ □□ □ □□/□□	:	Eye irritation.
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4.3. □□□□ □□ □ □□ □□ □□ □□ □□

Treat symptomatically.

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5.1. □□□ □□□

□□□ □□□	:	Water spray. Dry powder. Foam.
□□□□ □□□	:	Do not use a heavy water stream.

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

5.2. 화학물질로부터 생기는 특정 유해성

화재 위험 : No fire hazard.

폭발 위험 : No direct explosion hazard.
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 : 제품이 하수구 또는 상하수도로 들어갈 경우 당국에 통보. 물질손상을 방지하기 위해 누출물을 흡수시키시오.

비응급 대응 요원

보호 장비 : Wear recommended personal protective equipment.
응급 조치 : Ventilate spillage area. 피부 및 눈과의 접촉을 피하시오. 분진/흄/가스/미스트/증기/스프레이 의 흡입을 피하시오.

응급 대응 요원

보호 장비 : Do not attempt to take action without suitable protective equipment. 보다 자세한 정보는 섹션 8: "노출방 지 및 개인보호구"를 참조하시오.

응급 조치 : Evacuate unnecessary personnel.

6.2. 환경을 보호하기 위해 필요한 조치사항

환경으로 배출하지 마시오.

6.3. 정화 또는 제거 방법

봉쇄용 : Using a clean shovel, put the material in a dry container and cover without compressing it. 세척 방법 : Mechanically recover the product. Clear up rapidly by scoop or vacuum.
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 : 일반적인 사용 조건에서는 위험한 것으로 간주되지 않음.

안전취급요령 : Ensure good ventilation of the work station. 피부 및 눈과의 접촉을 피하시오. 개인 보호구를 착용하시오. 분진 /흄/가스/미스트/증기/스프레이 의 흡입을 피하시오.

위생 조치 : 이 제품을 사용할 때에는 먹거나, 마시거나 흡연하지 마시오. 취급 후에는 취급 부위 를(을) 철저히 씻으시오. 다시 사 용 전 오염된 의류를 세척하시오. 작업장 밖으로 오염된 의류를 반출하지 마시오. Always wash hands after
handling the product.

7.2. 피해야할 조건을 포함한 안전한 저장 방법

기술적 조치 : Keep in a cool, well-ventilated place away from heat.
보관 조건 : Store in original container. 용기를 단단히 밀폐하시오. 건조한 장소에 보관하시오.
포장재 : Store always product in container of same material as original container.

7.3. 특정 최종 사용

자료 없음

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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

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Protective gloves

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Wear appropriate mask

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9.1. □□□□ □□□□□ □□□ □□ □□

□□□ □□	:	□□
□□	:	White to off white.
□□	:	Crystalline powder.
□□□	:	86.85 g/mol
□□	:	Odourless.
□□ □□	:	□□□□
□□□	:	550 °C
□□□	:	□□□□
□□ □□□□ □□□ □□	:	1265 °C
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pH	:	7
pH □□□ □□	:	1 % at 20 °C
□□(□□□)	:	□□□□

□□□	:	□: 166.7 g/100ml at 20 °C - Soluble in water □□□: Soluble in ethanol □□□: Soluble in acetone
Partition coefficient n-octanol/water (Log Kow)	:	□□□□
□□□	:	1 hPa at 748 °C
50°C□□□ □□□	:	□□□□
□□	:	3.46 g/cm³ at 20 °C
□□	:	□□□□
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. □□□ □□□□ □□□□

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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

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□□ □ □□ □□ □□□	:	□□ □□ □□□ □□□. pH: 7
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LITHIUM BROMIDE ANHYDROUS EXTRA PURE (7550-35-8)	
□□(□□□)	□□□□

11.2. □□ □□ □□

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□□ 12: □□□ □□□ □□

12.1. □□

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

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12.2. □□□ □ □□□

LITHIUM BROMIDE ANHYDROUS EXTRA PURE (7550-35-8)	
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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 □□

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14.2. UN □□ □□□

□□ □□□ (ADR) : Not regulated

□□ □□□ (IMDG) : Not regulated

□□ □□□ (IATA) : Not regulated

□□ □□□ (ADN) : Not regulated

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

적정 선적명 (RID) : Not regulated

14.3. 운송에서의 위험성 등급

ADR

운송에서의 위험성 등급 (ADR) : Not regulated

IMDG
운송에서의 위험성 등급 (IMDG) : Not regulated

IATA

운송에서의 위험성 등급 (IATA) : Not regulated

ADN

운송에서의 위험성 등급 (ADN) : Not regulated

RID

운송에서의 위험성 등급 (RID) : Not regulated

14.4. 용기등급

용기 등급 (ADR) : Not regulated 용기 등급(IMDG) : Not regulated 용기 등급 (IATA) : Not regulated 포장 그룹(ADN) : Not regulated 용기 등급(RID) : Not regulated

14.5. 환경 유해성

그 밖의 참고사항 : 가용 추가 정보 없음

14.6. 사용자를 위한 특별 주의사항

내륙 수송

Not regulated

해상 운송

Not regulated

항공 운송

Not regulated

국내 수로 운송

Not regulated

철도 수송

Not regulated

14.7. 국제해사기구(IMO)에 따른 대량 해상 운송

해당없음

섹션 15: 법적 규제현황

15.1. 안전, 보건 및 환경과 관련하여 단일물질 또는 혼합물에 대한 특별 규정/법규

EU 규정

REACH 부속서 XVII (제한 목록)
REACH 부속서 XVII에 등재되지 않음

REACH 부속서 XIV (승인 목록)
REACH 부속서 XIV (허가 목록)에 등재되지 않음

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)□ □□□ □□ □□□□ □□

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VOC ordinance (ChemVOCFarbV) :

WGK : WGK 3, □□ □□ □□□ (Classification according to AwSV).
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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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No chemical safety assessment has been carried out

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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	□□ □□ □□□ □□

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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	□□ □□ □□□

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H302	□□□ □□□.
H315	□□□ □□□ □□□.
H317	□□□□□ □□ □□□ □□□ □ □□.
H319	□□ □□ □□□ □□□.

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