



杭州海关技术中心
国家危险化学品检测重点实验室（浙江）



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正本/ORIGIN

编号: TCH22009229
No: TCH22009229
日期: 2022-07-07
Date: 2022-07-07

ZAIQ-RF(HH)-01-19

Safety Data Sheet



Applicant name: Leache Chem Ltd

Product Name: 1-Bromo-3-Chloro-5,5- Dimethyl Hydantoin (BCDMH)

Edit date: 2022-07-07

Edit institution: Technology Center of Hangzhou Customs District

Approver:

万旺军

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1. Identification of substance

Product Name	1-Bromo-3-Chloro-5, 5-Dimethyl Hydantoin (BCDMH)
Other Name	None
Chemical Name	None
Recommended Use	It is a new generation of oxidative disinfectant, which combines the advantages of bromine and chlorine disinfection, compared with other chlorine preparations, with high stability, small odor, more effective sterilization, and has a slow release, the effectiveness of long lasting and so on, can be widely used: disinfection of swimming pools and drinking water; aquaculture water disinfection; industrial cycle cooling water sterilization.
Manufacturer	Leache Chem Ltd
Address	Economic Development Zone of Feixiang District, Handan City, Hebei Province (Jingjin New Material Industry Park)/057550
Phone Number	+86-0310-7092106
Fax Number	+86-0310-7092108
WEB	None
Emergency Phone Number	+86-0310-7092106 or call your nearest poison control centre

2. Hazards identification

GHS classification	Oxidizing solids 3 Acute toxicity-oral 4 Acute toxicity- inhalation 4 Skin corrosion/irritation 1C Serious eye damage/eye irritation 1 Sensitisation-skin 1 Hazardous to the aquatic environment, acute hazard 1
GHS Pictograms	
Signal words	Danger
Hazard statements	H272:May intensify fire;oxidizer H302:Harmful if swallowed H332:Harmful if inhaled H314:Causes severe skin burns and eye damage H318:Causes serious eye damage H317:May cause an allergic skin reaction H400:Very toxic to aquatic life

Precautionary
Statement Prevention

P210:Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P220:Keep away from clothing and other combustible materials.
 P260:Do not breathe dust/fume/gas/mist/vapours/spray.
 P261:Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264:Wash hands thoroughly after handling.
 P264+P265:Wash hands [and...] thoroughly after handling. Do not touch eyes.
 P270:Do not eat, drink or smoke when using this product.
 P271:Use only outdoors or in a well-ventilated area.
 P272:Contaminated work clothing should not be allowed out of the work place.
 P273:Avoid release to the environment.

Precautionary
Statement Response

P280:Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 P301+P317:IF SWALLOWED: Get medical help.
 P301+P330+P331:IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P302+P352:IF ON SKIN: Wash with plenty of water/...
 P302+P361+P354:IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.
 P304+P340:IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P354+P338:IF IN EYES:Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P316:Get emergency medical help immediately.
 P317:Get medical help.
 P321:Specific treatment (see the supplemental first aid instruction).
 P330:Rinse mouth.
 P333+P317:If skin irritation or rash occurs: Get medical help.
 P362+P364:Take off contaminated clothing and wash it before reuse.
 P363:Wash contaminated clothing before reuse
 P370+P378:In case of fire: Use ... to extinguish
 P391:Collect spillage.
 P405: Store locked up.

Precautionary
Statement Storage

Precautionary
Statement
Disposal

P501: Dispose of contents/container in according with local regulation.

Other hazards which do not result in classification Not available.

3. Composition/information on ingredients

✓ **Substances**

□ **Mixtures**

Component Information

Component	CAS number	EINECS number	Mass(%)
1-Bromo-3-Chloro-5, 5-Dimethyl Hydantoin(BCDMH)	32718-18-6	251-171-5	≥96%

4. First-aid measures

NOTE TO PHYSICIAN	In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation.
After inhalation	Move to fresh air. Oxygen or artificial respiration if needed. Get immediate medical attention.
After skin contact	Immediately flush skin with plenty of water. Remove and isolate contaminated clothing and shoes. If irritation persists, get medical attention immediately. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse.
After eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. Get medical attention immediately.
After ingestion	Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Loosen tight clothing such as a collar, tie, belt or waistband. Do not use mouth-to-mouth method if victim ingested the substance. Seek immediate medical attention.
Most important symptoms/effects, acute and delayed	Harmful if swallowed Harmful if inhaled Causes severe skin burns and eye damage Causes serious eye damage May cause an allergic skin reaction

5. Fire-fighting measures

Suitable extinguishing agents	Water spray, CO ₂ , foam, Sandy soil.
Special hazards caused by the material, its products of combustion or flue gases	Can be released in case of fire: Toxic gases/vapours/fumes of hydrogen bromide, bromine, hydrogen chloride, chlorine and oxides of carbon and nitrogen.
Protective equipment	Wear self-contained breathing apparatus, a chemical safety goggles, antistatic work clothes, rubber gloves.

6. Accidental release measures

Person-related safety precautions	Use personal protective equipment. Avoid breathing dust or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations.
Measures for environmental protection	Prevent further leakage or spillage if safe to do so. Do not allow material to be released to the environment without proper governmental permits.
Measures for cleaning/collecting	Pick up and arrange disposal in suitable container. Clean contaminated surface thoroughly.
Additional information	See Section 7 for information on safe handling See section 8 for information on personal protection equipment. See Section 13 for information on disposal.

7. Handling and storage

Handling	
Information for safe handling	Avoid contact with skin, eyes, mucous membranes and clothing. Avoid inhalation of dust. Ensure workshop has good ventilation/exhaust device. In case of insufficient ventilation, wear suitable respiratory equipment if ingested.
Information about protection against explosions and fires	Keep away from heat, sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.
STORAGE	
Requirements to be met by storerooms and containers	Keep in a cool, dry, well-ventilated place. Keep tightly closed until used.
Information about storage in one common storage facility	Store away from incompatible substances such as strong reducing agents, Acids, Bases, Organic materials. Protect from heat and dampness. Store away from water.
Further information about storage conditions	No data

8. Exposure controls/personal protection

Limit Values for Exposure					
Component	CAS number	ACGIH TLV-TWA	ACGIH TLV-STEL	NIOSH PEL-TWA	NIOSH PEL-STEL
1-Bromo-3-Chloro-5, 5-Dimethyl Hydantoin(BCDMH)	32718-18-6	N.E.	N.E.	N.E.	N.E.
Appropriate engineering controls	Use adequate ventilation to keep airborne concentrations low.				

General protective and hygienic measures	Keep away from foodstuffs, beverages and food .Do not get this material in contact with skin. Do not get this material on clothing. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal protective equipment	Splash goggles, gloves, apron and a dust/vapor respirator.
Breathing equipment	When workers are facing high concentrations they must use appropriate certified respirators.
Protection of hands	Wear appropriate chemical resistant gloves.
Eye/Face protection	Use safety glasses with side shields or safety goggles as mechanical barrier for prolonged exposure.
Body protection	Full set of anti chemical reagent overalls, flame retardant antistatic protective clothing, choose body protection according to the amount and concentration of the dangerous substance at the work place.

Note: 1. N.E. means not established.

9.Physical and chemical properties

Physical state	Solid
Colour	White
Odour	No data available
Melting point/freezing point	160-164 °C
Boiling point or initial boiling point and boiling range	No data available
Flammability	Nonflammable
Lower and upper explosion limit/flammability limit	No data available
Flash point	Not applicable
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	3–3.5 (1% solution at 25 °C)
Kinematic viscosity	No data available
Solubility(water)	0.2 g/100 ml (25 °C)
Partition coefficient: n-octanol/water(log value)	0.35
Vapour pressure	Not applicable
Density and/or relative	No data available

density
 Relative vapour density 1.0 g/cm³ at 20 °C
 (air=1)
 Particle characteristics No data available

10. Stability and reactivity

Reactivity No data available.
 Possibility of hazardous reactions Not available
 Conditions to avoid (e.g. static discharge, shock or vibration) Protect from light, including direct sunrays. Keep away from heat, sparks and open flame. Antistatic.
 Incompatible materials Avoid contact with strong reducing agents, Acids, Bases, Organic materials.
 Hazardous decomposition products May include toxic gases/vapours/fumes of hydrogen bromide, bromine, hydrogen chloride, chlorine and oxides of carbon and nitrogen.

11. Toxicological information

Routes of Entry: Dermal contact, eye contact, inhalation, ingestion.

Acute Toxicity
 1-Bromo-3-Chloro-5, 5-Dimethyl Hydantoin(BCDMH):
 (CAS 32718-18-6)
 LD50 (Oral, rat): 578 mg/kg
 LC50 (Inhalation, rat): 1.1 mg/l (4h)
 LD50 (Dermal, rabbit): >2000 mg/kg
 Skin corrosion/Irritation Causes severe skin burns
 Serious eye damage/irritation Causes serious eye damage
 Respiratory or skin sensitization May cause an allergic skin reaction
 Germ cell mutagenicity Not classified
 Carcinogenicity Not classified
 Reproductive toxicity Not classified
 STOT-single exposure Not classified
 STOT-repeated exposure Not classified
 Aspiration hazard Not classified
 Chronic Effects Not classified
 Further Information No data

12. Ecological information

Ecotoxicity
 Aquatic Toxicity 1-Bromo-3-Chloro-5, 5-Dimethyl Hydantoin(BCDMH) (CAS 32718-18-6):
 Test & Species
 96 Hr LC50 fish: 0.87mg/L
 48 Hr EC50 Daphnia: 0.46mg/L

72 Hr EC50 Algae: N/A

Persistence and degradability	Not available
Bioaccumulative potential	Not available
Mobility in soil	Not available
Additional Information	Very toxic to aquatic life.

13. Disposal considerations

WASTE DISPOSAL INSTRUCTIONS

Contact a qualified professional waste disposal service to dispose of this material.
 Dispose of in accordance with local environmental regulations or local authority requirements.

14. Transport information

The Recommendation of Transport of Dangerous Goods(TDG)

UN Number	UN 3085
Proper Shipping Name	OXIDIZING SOLID, CORROSIVE, N.O.S.(1-Bromo-3-Chloro-5,5-Dimethyl Hydantoin)
Class/Division	Division 5.1 Oxidizing Substances
Package Group	PG III
Subsidiary risk	Class 8 Corrosive Substances
labelling pictogram	



Maritime transport	Being same with TDG/Yes
IMDG/ Marine pollutant (Yes/No)	
Air transport ICAO-TI and IATA-DGR	Being same with TDG See A3, A803 for Special Provisions.

15. Regulatory information

European/International Regulations

OSHA:	Hazardous by definition of Hazard Communication Standard(29CFR 1910.1200).
EINECS Status:	This chemical is included in EINECS inventory.
EPA TSCA Status:	This chemical is included in TSCA public inventory.
Canadian DSL(Domestic Substances List):	This chemical is not included in DSL.

HMIS(Hazardous Material Identification System Ratings):	Health: 2 Flammability: 1 Physical hazard: 3 Personal protection: F (4. Severe Hazard; 3. Serious Hazard; 2. Moderate Hazard; 1. Slight Hazard; 0. Minimal Hazard)
WHMIS(Canadian Workplace Hazardous Material Identification System Ratings):	C、E.
GB 12268-2012 List of dangerous goods	This chemical is a dangerous goods on the GB 12268-2012 list of dangerous goods.

16. other information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

This Material Safety Data Sheet was based on the "Globally Harmonized System of Classification and Labelling of Chemicals", "Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations", "INTERNATIONAL MARITIME DANGEROUS GOODS CODE", "International Air Transport Association Dangerous Goods Regulations", the National Standards and other related dangerous chemicals management laws, regulations and standards, which are periodically updated and changed. To make dangerous goods / hazardous chemicals comply with the relevant requirements of the latest management, regularly update is recommended.

This Material Safety Data Sheet has been compiled in both English and Chinese. For any discrepancies, the Chinese version shall prevail.

Abbreviations and acronyms	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road RID: Regulations Concerning the International Transport of Dangerous Goods by Rail IMDG: International Maritime Code for Dangerous Goods IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO) EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service
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	LC50: Lethal concentration, 50 percent
	EC50: Effective concentration, 50 percent
Edit Date	07.07.2022
Update and Revise	Original edition
Edit Standard	<i>Globally Harmonized System of Classification and Labelling for Chemicals</i> Part 1.5
Revised Institution	Zhejiang Academy of Science and Technology for Inspection and Quarantine



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化学品安全数据表



申请单位: 河北利仕化学科技有限公司

产品名称: 1-溴-3-氯-5,5-二甲基海因 (溴氯海因)

编制日期: 2022-07-07

编制机构: 杭州海关技术中心

批准人:

万旺军

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1. 标识

产品名称	1-溴-3-氯-5,5-二甲基海因(溴氯海因)
其他名称	无
化学名称	无
使用建议	本品为新一代氧化型消毒剂，其汇集溴氯杀菌优势，与其它氯制剂相比，具有稳定性高、气味小、杀菌效力更强、且具有缓释性、有效性持续长等特点，可广泛用于：游泳池及饮用水的杀菌消毒；水产养殖业水体消毒；工业循环冷却水杀菌灭藻；宾馆、医院等公共场所环境消毒。
生产商	河北利仕化学科技有限公司
地址	河北省邯郸市肥乡区经济开发区（京津新材料产业园）/057550
固定电话	+86-0310-7092106
传真	+86-0310-7092108
网址	无
应急电话	+86-0310-7092106 或向离你最近的解毒中心求助

2. 危险标识

GHS 危险性分类	氧化性固体 3 类 急性毒性-口服 4 类 急性毒性-吸入 4 类 皮肤腐蚀/刺激 1C 类 严重眼损伤/眼刺激 1 类 皮肤敏化作用 1 类 危害水生环境-急性危险 1 类
GHS 危险标签	



信号词	危险
危险说明	H272:可加剧燃烧；氧化剂 H302:吞咽有害 H332:吸入有害 H314:造成严重皮肤灼伤和眼损伤 H318:造成严重眼损伤 H317:可能导致皮肤过敏反应 H400:对水生生物毒性极大

防范说明	P210:远离热源、热表面、火花、明火和其他点火源。禁止吸烟。		
预防	P220:远离离服装和其他可燃材料。		
	P260:不要吸入粉尘/烟/气体/烟雾/蒸汽/喷雾		
	P261:避免吸入粉尘/烟/气体/烟雾/蒸汽/喷雾		
	P264:作业后彻底清洗双手		
	P264+P265:作业后彻底清洗手部[和……]。勿触碰眼睛。		
	P270:使用本产品时，不要进食、饮水或吸烟		
	P271:只能在室外或通风良好处使用		
	P272:受沾染的工作服不得带出工作场地		
	P273:避免释放到环境中		
	P280:戴防护手套/穿防护服/戴防护眼罩/面具/听力保护。		
防范说明	P301+P317:如误吞咽：寻求医疗救助。		
反应	P301+P330+P331:如误吞咽：漱口。不要诱导呕吐		
	P302+P352:如皮肤沾染：用大量水或…清洗		
	P302+P361+P354:如皮肤沾染：立即脱掉所有沾染的衣服。立即用水冲洗皮肤几分钟。		
	P304+P340:如误吸入：将受害人转移到空气新鲜处，保持呼吸舒适		
	P305+P354+P338:如进入眼睛：立即用水冲洗几分钟。如戴隐形眼镜且可方便得取出，取出隐形眼镜。继续冲洗。		
	P316:立即寻求紧急医疗救助。		
	P317:寻求医疗救助。		
	P321:具体治疗（见本标签上的附加急救措施）。		
	P330:漱口		
	P333+P317:如发生皮肤刺激或皮疹：寻求医疗救助。		
	P362+P364:脱掉沾染的衣服，清洗后方可重新使用。		
	P363:沾染的衣服清洗后方可重新使用		
	P370+P378:火灾时：使用...灭火。		
	P391:收集溢出物		
防范说明	P405：存放处须加锁。		
储存			
防范说明	P501：依据地方法规处置内装物/容器。		
处置			
不导致分类的其他危险	未知。		
3. 成分构成/成分信息			
☒ 物质			
☐ 混合物			
成分信息			
成分	CAS 号	EINECS 号	含量(%)
1-溴-3-氯-5, 5-二甲基海因 (溴氯海因)	32718-18-6	251-171-5	≥96%
4.急救措施			
对医师的建议			
在呼吸急促的情况下，需给受害人输氧。保持受害人温暖。让受害人处于观察监护下。			

吸入后	转移到有新鲜空气的地方。如需要，须输氧或进行人工呼吸。 马上就医。
皮肤接触后	立即用大量的水冲洗皮肤。脱掉被污染的衣服和鞋子。如皮肤刺激仍继续：须求医。如原是小面积的皮肤接触，防止接触面积的扩大。污染的衣服在使用前，须单独清洗。
眼睛接触后	立即用大量的水冲洗眼睛至少 15 分钟。用手指分开眼睑以保证充分冲洗眼睛。马上就医。
摄入后	无医师建议的情况下不要引吐。如果受害人需呕吐，使其前倾以减少倒吸的危险。 解松过紧的衣物，如领子、领带、皮带或腰带。不要使用嘴对嘴的方法实施救助。马上就医。
主要的症状和影响，包括急性和迟发效应	吞咽有害 吸入有害 造成严重皮肤灼伤和眼损伤 造成严重眼损伤 可能导致皮肤过敏反应
5. 消防措施	
合适的灭火剂	水喷雾、CO2、泡沫、砂土。
由物质本身或其燃烧产物、烟气产生的特殊危险	在发生火灾时可能释放：有毒气体/蒸气/烟雾如：溴化氢、溴、氯化氢、氯、碳和氮氧化物等。
防护设备	自持呼吸器呼吸器，戴化学安全防护眼镜，穿防静电工作服，戴橡胶手套。
6. 泄漏应急处理	
与人相关的安全防范措施	穿上合适的防护服，避免吸入粉尘或气体。确保足够的通风。删除所有点火源。疏散人员到安全的地区。谨防蒸气积累形成爆炸性浓度。
环境保护措施	如能做到应防止进一步的泄露和溢出。无相关政府许可，不允许把该物质释放到环境中。
清洁/收集措施	收集并把废弃物放置在合适的容器中。彻底清洁被污染物的表面。
附加说明	关于安全操作的信息见第 7 部分 关于个人防护设备的信息见第 8 部分 关于处置的信息见第 13 部分
7. 操作和存储	
操作	
安全操作的信息	避免和皮肤、眼睛、粘膜、衣服接触，避免吸入烟雾。 确保工作间有良好的通风/排气装置。 在通风不充分的情况下，使用合适的呼吸设备。
防止爆炸和火灾的信息	远离热源，着火的火源——禁止吸烟。 采取措施防止静电电荷积累。
存储	
对储藏室和容器的要求	存放在阴凉、干燥、通风良好的地方。 使用前保持容器密闭。
关于储藏在普通存储设施中的信息	远离不相容的物质如强的还原性物质、酸、碱、有机材料。防热、防潮。

关于储藏条件进一步的信息 储存的地方必须远离水源。
无其他说明

8. 暴露控制/人身保护

暴露限值

成分

成分	CAS 号	ACGIH 阈限值-时 间加权平 均浓度	ACGIH 阈限值-短 时间接触 限值	NIOSH 阈 限值-时间加 权平均浓度	NIOSH 阈限 值-短时间接触 限值
1-溴-3-氯-5, 5-二甲 基海因(溴氯海因)	32718-18-6	N.E.	N.E.	N.E.	N.E.
减少接触的工程控制方 法	采用局部排气设备或者其他的工程控制措施来保持空气水平低于推荐暴 露限值。				
一般保护和卫生措施	远离食品、饮料和饲料。不要让该物质与皮肤、衣物、眼睛接触。依据良 好的工业卫生和安全条例操作。在休息和一天工作结束前要洗手。				
个人防护用品	防溅眼镜，手套，防护服和防毒面具。				
呼吸设备	当工人在高浓度的环境下工作时，必须使用合适的已认证的呼吸器。				
双手保护	戴合适的耐化学腐蚀的手套。				
眼睛/面部保护	使用带侧罩或安全眼镜的护目镜作为工人长期暴露的机械屏蔽。				
身体保护	全套防化学试剂工作服，阻燃防静电防护服，防护设备的类型必须根据特 定工作场所中的危险物的浓度和含量来选择。				

注:1. N.E. 就是还没有建立的意思。

9.物理和化学特性

物理状态	固体
颜色	白色
气味	无数据资料
熔点/凝固点	160-164 °C
沸点或初始沸点和沸程	无数据资料
易燃性	不易燃
上/下易燃或爆炸极限	无数据资料
闪点	不适用
自燃温度	无数据资料
分解温度	无数据资料
pH 值	3-3.5 (1% 水溶液 25 °C)
运动粘度	无数据资料
溶解性	0.2 g/100 ml (25 °C)
分配系数:正辛醇/水 (对数 值)	0.35
蒸汽压	不适用
密度和/或相对密度	无数据资料
相对蒸气密度 (空气=1)	1.0 g/cm ³ (20 °C)
颗粒特性	无数据资料

10. 稳定性和反应活性

反应性 无数据资料。

有害反应的可能性	不适用
需避开的条件 (如: 静电放电, 震动等)	避光, 包括直射的阳光。远离热、火花、明火。 防静电。
不相容的物质	避免和强的还原性物质、酸、碱、有机材料接触。
有害分解产物	可能包括有毒气体/蒸气/烟雾如: 溴化氢、溴、氯化氢、氯、碳和氮氧化物等。

11. 毒理学信息

进入人体内的途径: 皮肤接触、眼睛接触、吸入和摄入。

急性毒性

1-溴-3-氯-5, 5-二甲基海因
(溴氯海因):
(CAS 32718-18-6)

LD50(大鼠,口服): 578 mg/kg
LC50(大鼠,吸入): 1.1 mg/l (4h)
LD50(兔子,皮肤): >2000 mg/kg

皮肤腐蚀/刺激	造成严重皮肤灼伤
严重眼损伤/刺激	造成严重眼损伤
呼吸或皮肤敏化作用	可能导致皮肤过敏反应
生殖细胞致突变性	未分类
致癌性	未分类
生殖毒性	未分类
特定目标器官毒性-单次接触	未分类
特定目标器官毒性-重复接触	未分类
吸入危险	未分类
慢性影响	未分类
其他信息	无数据

12. 生态学信息

生态毒性

水生毒性
1-溴-3-氯-5, 5-二甲基海因(溴氯海因) (CAS 32718-18-6)
测试 & 物种
96 Hr LC50 鱼: 0.87mg/L
48 Hr EC50 溞类: 0.46mg/L
72 Hr EC50 藻类: 未知

持久性和降解性	未知
潜在的生物累积性	未知
土壤中的迁移性	未知
其他信息	对水生生物毒性极大。

13. 废弃处置

废物处置说明

联系一家有资质的专业废物处置机构来处置。
按照当地的环境法规或地方当局的要求来进行处置。

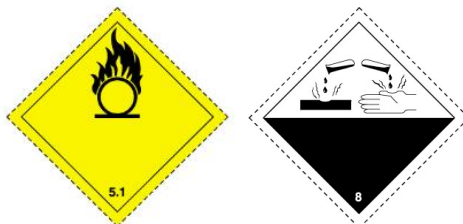
14. 运输信息

联合国《关于危险货物运输的建议书 规章范本》(TDG)

UN 编号 UN 3085
正式运输名称 氧化性固体, 腐蚀性, 未另作规定的 (溴氯海因)

危险类/项别
包装类别
次要危险性
危险性标签

5.1 项 氧化性物质
PG III
第 8 类 腐蚀性物质



国际海运危规 IMDG/海洋
污染物（是/否）

与 TDG 的分类相同/是

国际空运危规 ICAO-TI 和
IATA-DGR

与 TDG 的分类相同
特殊规定详见 A3、A803。

15. 法规信息

欧洲/国际法规

OSHA (美国职业安全与健康管理法):

危险性根据危害通讯标准来编写 (29CFR 1910.1200).

EINECS (欧洲现有商业化学物质名录):

该化学品已被列入 EINECS 目录中。

EPA TSCA(有毒物质控制法):

该化学品已被列入 TSCA 公开目录中。

加拿大 **DSL(国内物质清单):**

该化学品未被列入 DSL 目录中。

HMIS(危险品识别系统):

健康危害: 2
易燃性: 1
物理危害: 3
个人防护: F
(4. 极其严重危害; 3. 严重危害; 2. 中度危害; 1. 轻度危害; 0. 极小危害)

**WHMIS(加拿大工作场所
有害物
质识别系统):**

C、E。

**GB 12268-2012 危险品
清单**

该化学品作为危险品被列入 GB 12268-2012 危险品清单。

16. 其他信息

雇主只能把本化学品安全数据表的信息当作他们所获其他信息的补充信息,并能独立判断此信息的适用性,以确保正确使用并保护雇员的健康和安全。此化学品安全数据表提供的信息并不具担保作用,任何未按本化学品安全数据表使用产品、或与其他产品和操作过程同时使用本产品时产生的后果由用户自行承担。

本化学品安全数据表是根据《全球化学品统一分类和标签制度》,《联合国关于危险货物运输的建议书》,《国际海运危规》,国际航空运输协会《危险货物规则》和国家标准等相关危险化学品管理法律法规和标准进行编制,而上述法律法规和标准均会定期进行更新和变化。为使危险货物/危险化学品符合相关最新的管理要求,建议定期审核更新化学品安全数据表。

本化学品安全数据表分别以中、英文编制,在对中、英文本的理解上发生歧义时,以中文文

本为准。

缩略语

ADR:《关于危险货物道路国际运输的欧洲协议》
RID:《关于危险货物铁路国际运输的规则》
IMDG: 国际海运危规
IATA-DGR: 国际航空运输协会《危险货物规则》(IATA)
ICAO-TI: 国际民用航空组织《国际民航公约》(ICAO)
EINECS: 欧洲现有商业化学物质名录
CAS: 化学文摘号
LC50: 半数致死浓度
EC50: 半数效应浓度

编制日期

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更新和修改

第 1 版

编制标准

全球化学品统一分类和标签制度 第 1.5 部分

编制机构

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