



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: TCH22009227
No: TCH22009227
日期: 2022-07-26
Date: 2022-07-26

ZAIQ-RF(HH)-01-19

Safety Data Sheet



Applicant name: Leache Chem Ltd

Product Name: 1,3-Dibromo-5,5-Dimethyl Hydantoin(DBDMH)

Edit date: 2022-07-26

Edit institution: Technology Center of Hangzhou Customs District

Approver:

万旺军

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声 明

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1. Identification of substance

Product Name	1,3-Dibromo-5,5-Dimethyl Hydantoin(DBDMH)
Other Name	None
Chemical Name	None
Recommended Use	It is an excellent selective brominating agent, mainly be used in compounding of pharmaceutical intermediate and gain rate and cost performance ratio are better than NBS (N-bromosuccinimide). Besides it could be used as sterilization and algae killer to industrial circulating cooling water, as disinfectant to water bodies of aquaculture and swimming pool, and as disinfectant to environments of hotel, hospital etc public places.
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	info@leachechem.com
Emergency Phone Number	+86-0310-7092106 or call your nearest poison control centre

2. Hazards identification

GHS classification	Oxidizing solids 2 Acute toxicity-oral 3 Skin corrosion/irritation 1B Serious eye damage/eye irritation 1 Hazardous to the aquatic environment, acute hazard 1
GHS Pictograms	
Signal words	Danger
Hazard statements	H272:May intensify fire;oxidizer H301:Toxic if swallowed H314:Causes severe skin burns and eye damage H318:Causes serious eye damage 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. P264:Wash hands thoroughly after handling. P264+P265:Wash hands [and...] thoroughly after handing. Do not touch eyes. P270:Do not eat, drink or smoke when using this product. P273:Avoid release to the environment. P280:Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
Precautionary Statement Response	P301+P316:IF SWALLOWED: Get emergency medical help immediately. P301+P330+P331:IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. 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. 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(%)
1,3-Dibromo-5,5-Dimethyl Hydantoin (DBDMH)	77-48-5	201-030-9	≥96%wt
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.		
After eye contact	Wash clothing separately before reuse.		
After ingestion	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.		
Most important symptoms/effects, acute and delayed	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.		
	Toxic if swallowed		
	Causes severe skin burns		
	Causes serious eye damage		
5. Fire-fighting measures			
Suitable extinguishing agents	Water spray, CO ₂ , foam, sandy soil, dry powder.		
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 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 oxidants, acids, bases, alcohols, strong reducing agents, combustibles. Protect from heat and dampness.
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
1,3-Dibromo-5,5-Dimethyl Hydantoin (DBDMH)	77-48-5	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	Pale yellow to off-white
Odour	No data available
Melting point/freezing point	197-199 °C
Boiling point or initial boiling point and boiling range	376 °C
Flammability	No data available
Lower and upper explosion limit/flammability limit	No data available
Flash point	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	No data available
Kinematic viscosity	No data available
Solubility(water)	No data available
Partition coefficient: n-octanol/water(log value)	No data available
Vapour pressure	No data available
Density and/or relative density	No data available
Relative vapour density (air=1)	No data available
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 oxidants, acids, bases, alcohols, strong reducing agents, combustibles.
Hazardous decomposition products	May include toxic gases/vapours/fumes of hydrogen bromide and oxides of carbon and nitrogen.

11. Toxicological information

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

Acute Toxicity

1,3-Dibromo-5,5-Dimethyl Hydantoin (DBDMH): (CAS 77-48-5)	LD50 (Oral, rat): 250 mg/kg LC50 (Inhalation, rat): N/A LD50 (Dermal, rabbit): N/A
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Skin corrosion/Irritation	Causes severe skin burns
Serious eye damage/irritation	Causes serious eye damage

Respiratory or skin sensitization	Not classified
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Germ cell mutagenicity	Not classified
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Carcinogenicity	Not classified
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Reproductive toxicity	Not classified
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STOT-single exposure	Not classified
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STOT-repeated exposure	Not classified
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Aspiration hazard	Not classified
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Chronic Effects	Not classified
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Further Information	No data
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12. Ecological information

Ecotoxicity

Aquatic Toxicity	1,3-Dibromo-5,5-Dimethyl Hydantoin(DBDMH):(CAS 77-48-5) Test & Species 96 Hr LC50 fish: 0.16mg/L 48 Hr EC50 Daphnia: 0.63mg/L 72 Hr EC50 Algae: N/A
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Persistence and degradability	Not available
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Bioaccumulative potential	Not available
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Mobility in soil	Not available
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Additional Information	Very toxic to aquatic life.
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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

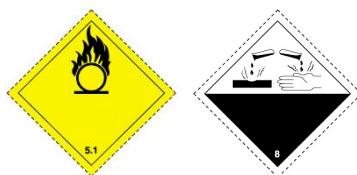
Proper Shipping Name OXIDIZING SOLID, CORROSIVE,
N.O.S.(1,3-Dibromo-5,5-Dimethyl Hydantoin)

Class/Division Division 5.1 Oxidizing Substances

Package Group PG II

Subsidiary risk Class 8 Corrosive Substances

labelling pictogram



Maritime transport Being same with TDG/Yes

IMDG/ Marine pollutant
(Yes/No)

Air transport ICAO-TI Being same with TDG
and IATA-DGR 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 This chemical is included in DSL.

**DSL(Domestic
Substances List):**

**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, D1B, D2B.

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
LC50: Lethal concentration, 50 percent
EC50: Effective concentration, 50 percent

Edit Date 26.07.2022

Update and Revise Second edition

Edit Standard *Globally Harmonized System of Classification and Labelling of Chemicals* Part 1.5

Revised Institution Technology Center of Hangzhou Customs District



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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: 1,3-二溴-5,5-二甲基海因 (二溴海因)

编制日期: 2022-07-26

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	1,3-二溴-5,5-二甲基海因（二溴海因）
其他名称	无
化学名称	无
使用建议	本品作为选择性溴化剂，主要应用于医药中间体合成领域，其得率和性价比优于 NBS（溴代丁二酰亚胺）。此外，本品还可用于工业循环冷却水的杀菌灭藻；游泳池水体消毒；水产养殖业水体消毒；宾馆、医院等公共场所的环境消毒等领域。
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	info@leachechem.com
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 2 类 急性毒性-口服 3 类 皮肤腐蚀/刺激 1B 类 严重眼损伤/眼刺激 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 H301:吞咽会中毒 H314:造成严重皮肤灼伤和眼损伤 H318:造成严重眼损伤 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 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 P273:避免释放到环境中
防范说明	P280:戴防护手套/穿防护服/戴防护眼罩/面具/听力保护。
反应	P301+P316:如误吞咽：立即寻求紧急医疗救助。 P301+P330+P331:如误吞咽：漱口。不要诱导呕吐 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

防范说明	适
储存	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。
防范说明	P316:立即寻求紧急医疗救助。
处置	P317:寻求医疗救助。
不导致分类的其他危险	P321:具体治疗（见本标签上的附加急救措施）。
	P330:漱口
	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
	P405: 存放处须加锁。
	P501: 依据地方法规处置内装物/容器。
	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(%)

1,3-二溴-5,5-二甲基海因
(二溴海因)

77-48-5

201-030-9

≥96%wt

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

吞咽会中毒
造成严重皮肤灼伤
造成严重眼损伤

5. 消防措施

合适的灭火剂

水喷雾、CO₂、泡沫、砂土、干粉。

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、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氧化剂、酸、碱、醇、强还原剂、可燃物。防热、防潮。
关于储藏条件进一步的信息	无其他说明

8. 暴露控制/人身保护

暴露限值					
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-短间接接触 限值
1,3-二溴-5,5-二甲基海因（二溴海因）	77-48-5	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	淡黄色至类白色
气味	无数据资料
熔点/凝固点	197-199 °C
沸点或初始沸点和沸程	376 °C
易燃性	无数据资料
上/下易燃或爆炸极限	无数据资料
闪点	无数据资料
自燃温度	无数据资料
分解温度	无数据资料
pH 值	无数据资料
运动粘度	无数据资料
溶解性	无数据资料
分配系数:正辛醇/水（对数值）	无数据资料
蒸汽压	无数据资料
密度和/或相对密度	无数据资料
相对蒸气密度（空气=1）	无数据资料
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	避免和强氧化剂、酸、碱、醇、强还原剂、可燃物接触。
有害分解产物	可能包括有毒气体/蒸气/烟雾如：溴化氢、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	
1,3-二溴-5,5-二甲基海因 （二溴海因）：(CAS 77-48-5)	LD50(大鼠,口服): 250 mg/kg LC50(大鼠,吸入): 未知 LD50(兔子,皮肤): 未知
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	未分类
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	1,3-二溴-5,5-二甲基海因（二溴海因）:(CAS 77-48-5) 测试 & 物种 96 Hr LC50 鱼: 0.16mg/L 48 Hr EC50 藻类: 0.63mg/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（1,3-二溴-5,5-二甲基海因）
危险类/项别	5.1 项 氧化性物质
包装类别	PG II
次要危险性	第 8 类 腐蚀性物质
危险性标签	 
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	该化学品已被列入 DSL 目录中。

单):

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 C, D1B, D2B。

有害物

质识别系统):

GB 12268-2012 危险品 该化学品作为危险品被列入 GB 12268-2012 危险品清单。
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

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编制标准 全球化学品统一分类和标签制度 第 1.5 部分

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