

编 码：

产品名称：二环己胺



危险

儿童不得接触

使用前请读标签

吞咽有害。造成严重皮肤灼伤和眼损伤。对水生生物毒性极大并具有长期持续影响。

**预防：**

作业后彻底清洗。使用本产品时不要进食、饮水或吸烟。不要吸入粉尘/烟/气体/烟雾/蒸气/喷雾。戴防护手套/穿防护服/戴防护眼罩/戴防护面具。避免释放到环境中。

**反应：**

如误吞咽：立即呼叫解毒中心或医生。漱口。不得诱导呕吐。如误吸入：将受害人转移到空气新鲜处，保持呼吸舒适体位。立即呼叫解毒中心或医生。具体治疗（见安全数据单）。如皮肤（或头发）沾染：立即脱掉所有沾染的衣服。用水清洗皮肤/淋浴。沾染的衣服清洗后方可重新使用。如进入眼睛：用水小心冲洗几分钟。如戴隐形眼镜并可方便地取出，取出隐形眼镜。继续冲洗。立即呼叫解毒中心或医生。收集溢出物。

**贮存：**

存放处须加锁。

**处置：**

按照相关规定处置内装物和容器。

CODE :

PRODUCT NAME: Bis(cyclohexyl)amine



Danger

Keep out of the reach of children.

Read label before use.

**Harmful if swallowed. Causes severe skin burns and eye damage. Very toxic to aquatic life with long lasting effects.**

**Prevention:**

Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/ vapors / spray. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

**Response:**

IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth. Do NOT induce vomiting. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. Specific treatment (see safety sheet on this label). IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Collect spillage.

**Storage:**

Store locked up.

**Disposal:**

Dispose of contents/container to in accordance with national regulations

# 化学品安全数据单

## 一、标识

全球统一制度产品标识符：二环己胺/ Bis(cyclohexyl)amine。

其它标识办法：/。

化学品使用建议和使用限制：/。

供货商的详细情况：/

紧急电话号码：/

## 二、危险标识

物质或混合物的分类：

急性毒性（口服）类别 4

皮肤腐蚀/刺激类别 1C

严重眼损伤/眼刺激类别 1

危害水生环境（急性）类别 1

危害水生环境（长期）类别 1。

全球统一制度标签要素，包括防范说明：



信号词：危险。

危险说明：吞咽有害。造成严重皮肤灼伤和眼损伤。对水生生物毒性极大并具有长期持续影响。

防范说明：

预防：

作业后彻底清洗。使用本产品时不要进食、饮水或吸烟。不要吸入粉尘/烟/气体/烟雾/蒸气/喷雾。戴防护手套/穿防护服/戴防护眼罩/戴防护面具。避免释放到环境中。

反应：

如误吞咽：立即呼叫解毒中心或医生。漱口。不得诱导呕吐。如误吸入：将受害人转移到空气新鲜处，保持呼吸舒适体位。立即呼叫解毒中心或医生。具体治疗（见下文）。如皮肤（或头发）沾染：立即脱掉所有沾染的衣服。用水清洗皮肤/淋浴。沾染的衣服清洗后方可重新使用。如进入眼睛：用水小心冲洗几分钟。如戴隐形眼镜并可方便地取出，取出隐形眼镜。继续冲洗。立即呼叫解毒中心或医生。收集溢出物。

贮存：

存放处须加锁。

处置：

按照相关规定处置内装物和容器。

不导致分类的其他危险：/

## 三、组成/成分信息

化学名称	化学文摘社编号 (CAS No.)	成分（由送检 企业提供）
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二环己胺	101-83-7	99.50%
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#### 四、急救措施

##### 不同暴露途径的急救方法

**吸入：**迅速脱离现场至空气新鲜处。保持呼吸道通畅。如呼吸困难，给输氧。如呼吸停止，立即进行人工呼吸。就医。

**皮肤接触：**脱去污染的衣着，用大量流动清水冲洗。就医。

**眼睛接触：**立即提起眼睑，用大量流动清水或生理盐水彻底冲洗至少 15 分钟。就医。

**摄入：**漱口，切勿催吐，切勿给失去知觉者通过口喂任何东西。就医。

**最重要的急性和延迟症状/效应：** /。

**必要时注明立即就医及所需的特殊治疗：** /

#### 五、消防措施

**适当的灭火剂：**可用干粉、二氧化碳、抗醇泡沫等灭火。

**化学品产生的具体危险：**受热或接触明火，有轻微的火灾危险。受热可能引起膨胀或分解，导致容器急剧破裂。燃烧时可能释放有毒的一氧化碳(CO) 烟雾。可能释放出刺鼻的烟雾。含有可燃性物质的烟雾可能具有爆炸性。

**消防人员的特殊防护行动：**穿全身安全防护服并佩戴呼吸设备。在安全的条件下，把容器从火场中移走。禁止靠近认为是热的容器。

#### 六、意外释放措施

**人身防范、保护设备和应急程序：**穿戴呼吸设备的全身防护服。避免接触皮和眼睛避免吸入蒸气，避免接触皮和眼睛。使用采用防护装设备以控制人员接触。

**环境防范措施：**立即清理所有泄漏物。在安全的前提下，阻止泄漏。

**抑制和清洁的方法和材料：**用沙子、土或蛭石收集泄漏物。收集可回收的产品于贴有标签的容器中，以便回收利用。收集固体残留物，密封于贴有标签的桶中，以便废弃处置。冲洗泄漏区域，防止废液流入下水道。

#### 七、搬运与储存

**安全搬运的防范措施：**严禁物料弄湿的衣服直接接触皮肤。避免所有接触，包括吸入。

当有接触危险时，穿戴防护服。在通风良好的区域使用。防止受潮。避免接触不相容物料。操作处置时，禁止进食、饮水或吸烟。不使用时，容器应保持安全密封。防止容器受到物理损伤。操作完要用肥皂和清水洗手。

**安全存储的条件，包括任何不相容性：**切储存于原装容器中。保持容器安全密封。储存在阴凉、干燥、通风良好的地方。存储于远离不相容材料和食品容器的地方。防止容器受到物理损伤，并定期检查泄漏情况。遵从制造商储存和处理方面的建议。

#### 八、接触控制/人身保护

**控制参数：** /

**适当的工程控制：**严加密闭，提供充分的局部排风。

##### 个人防护措施

**防护眼罩/面具：**化学护目镜。全面罩可以被用作眼部的辅助防护但不能做首选防护。隐形眼镜可能会造成特殊危害；软性隐形眼镜可能会吸收和富集刺激物。

**皮肤防护：**戴化学防护手套(如聚氯乙烯 PVC)。穿安全鞋或安全靴(如橡胶材料)。

**呼吸系统防护:** 呼吸器种类和型号的选择取决于呼吸区域污染物的等级以及污染物的化学性质。  
**高温危险:** /

#### 九、物理及化学性质

外观（物理状态、颜色等）	无色透明液体。
气味	/
气味阈值	/
pH 值	/
熔点/凝固点	/
初始沸点和沸腾范围	255℃
闪点	96℃
蒸发速率	/
易燃性（固态、气态）	/
上下易燃极限或爆炸极限	/
蒸气压力	1.6 @ 37.7 C。
蒸气密度	6。
相对密度	0.912 @ 25 C。
可溶性	部分溶解。
分配系数：正辛醇/水	/
自动点火温度	/
分解温度	/
粘度	/

#### 十、稳定及反应性

**反应性:** /  
**化学稳定性:** 在常温下稳定。  
**危险反应的可能性:** 受热或接触明火，有轻微的火灾危险。受热可能引起膨胀或分解，导致容器急剧破裂。  
**应避免的条件:** 高温、火星、静电、氧化剂。  
**不相容材料:** 强酸、酸性氯化物、酸酐以及氯甲酸酯类。  
**危险分解产物:** 二氧化碳 (CO<sub>2</sub>)，氮氧化物(NO<sub>x</sub>)，有机物燃烧产生的其他典型热解产物。

#### 十一、毒理学信息

**暴露途径:** 吸入、食入、经皮吸收、眼睛接触。  
**有关物理、化学和毒理学特点的症状:** /  
**急性毒性效应:** 吸入后会导致咳嗽、咽喉疼痛、严重烧伤。皮肤接触会导致皮肤发红、疼痛、烧伤。眼睛接触后会导致发红、疼痛、烧伤。食入会导致灼烧感、咽喉痛、腹痛、呕吐等症状。  
**慢性毒性或长期毒性效应:** 反复或长期接触本物质可导致牙齿受腐蚀、口腔炎症和溃疡、皮炎或结膜炎等症状。  
**毒性的数值度量（如急性毒性估计值）:** /

## 十二、生态信息

**毒性：**对水生生物毒性极大并具有长期持续影响。  
**持久性和降解性：**高。  
**生物累积潜力：**中等。  
**在土壤中的流动性：**低。  
**其它有害效应：** /

## 十三、处置考虑

**处置方法：**尽可能回收利用。如果不能确定合适的处理或清除设备，咨询制造商或当地环保部门有关回收的方法。在许可的处理厂处理、中和本物质。。

## 十四、运输信息

**联合国编号：**2565。  
**联合国正式运输名称：**二环己胺。  
**运输危险分类：**8。  
**包装类别（如果适用）：**III。  
**环境危险：**海洋污染物。  
**用户的特殊防范措施：** /

## 十五、管理信息

**国内化学品安全法规：**本化学品安全数据单遵照了以下相关国家标准：GB 16483-2008、GB 13690-2009、GB/T 15098-2008、GB 18218-2009、GB 15258-2009、GB 6944-2012、GB 190-2009、GB 191-2009、GB 12268-2008、GA 57-1993、GBZ 2-2007 以及相关法规：《铁路危险货物运输管理规则》、《危险化学品安全管理条例》。

## 十六、其它信息

<b>参考文献</b>	联合国《关于危险货物运输的建议书·规章范本》 联合国《全球化学品统一分类和标签制度》
<b>制表日期</b>	2015-01-20

注 1：如由于产品特性而不存在或不可得某些信息时（如固体不存在沸点），应在表格中以“/”标识。

# Chemical Safety Data Sheet

## Section 1 IDENTIFICATION

**GHS Product identifier:** Bis(cyclohexyl)amine.

**Other means of identification:/.**

**Recommended use of the chemical and restrictions on use: /.**

**Supplier's details: /**

**Emergency phone number: /**

## Section 2 HAZARDS IDENTIFICATION

### **Classification of the substance or mixture:**

Acute Toxicity (Oral) Category 4

Skin Corrosion/irritation Category 1C

Eye Damage/irritation Category 1

Hazardous to the aquatic environment, acute hazard Category 1

Hazardous to the aquatic environment, long term hazard Category 1

### **GHS Label elements, including precautionary statements:**



**Signal word:** Danger

**Hazard statement(s):** Harmful if swallowed. Causes severe skin burns and eye damage. Very toxic to aquatic life with long lasting effects.

### **Precautionary statement(s):**

Prevention:

Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/ vapors / spray. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

Response:

IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth. Do NOT induce vomiting. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. Specific treatment (see next). IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Collect spillage.

Storage:

Store locked up.

Disposal:

Dispose of contents/container to in accordance with national regulations.

**Other hazards which do not result in classification: /**

### Section 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration%
Bis(cyclohexyl)amine	101-83-7	99.50%

### Section 4 FIRST AID MEASURES

**Description of necessary first aid measures**

**If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact:** Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If Ingestion:** Rinse mouth with water. Do not induce vomit. Never give anything by mouth to an unconscious person. Consult a physician.

**Most important symptoms/effects, acute and delayed:** /.

**Indication of immediate medical attention and special treatment needed, if necessary:** /

### Section 5 FIREFIGHTING MEASURES

**Suitable extinguishing media:** Use dry chemical, carbon dioxide, alcohol stable foam to extinguishing.

**Special hazards arising from the chemical:** Slight fire hazard when exposed to heat or flame. Heating may cause expansion or decomposition leading to violent rupture of containers. On combustion, may emit toxic fumes of carbon monoxide (CO). May emit acrid smoke. Mists containing combustible materials may be explosive.

**Special protective actions for fire-fighters:** Wear full body protective clothing with breathing apparatus. If safe to do so, remove containers from path of fire. Do not approach containers suspected to be hot.

### Section 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Wear full body protective clothing with breathing apparatus. Avoid breathing vapours and contact with skin and eyes. Control personal contact with the substance, by using protective equipment.

**Environmental precautions:** Clean up all spills immediately. Stop leak if safe to do so.

**Methods and materials for containment and cleaning up:** Contain spill with sand, earth or vermiculite. Collect recoverable product into labelled containers for recycling. Collect solid residues and seal in labelled drums for disposal. Wash area and prevent runoff into drains.

### Section 7 HANDLING AND STORAGE

**Precautions for safe handling:** DO NOT allow clothing wet with material to stay in contact with skin. Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Avoid contact with moisture. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers. Always wash hands with soap and water after handling.



**Conditions for safe storage, including any incompatibilities:** Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling recommendations contained within this MSDS.

#### Section 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters:** /

**Appropriate engineering controls:** Local exhaust ventilation or a process enclosure ventilation system may be required.

**Individual protection measures**

**Eye/face protection:** Chemical goggles. Full face shield may be required for supplementary but never for primary protection of eyes. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants.

**Skin protection:** Wear chemical protective gloves, e.g. PVC. Wear safety footwear or safety gumboots, e.g. Rubber.

**Respiratory protection:** Selection of the Class and Type of respirator will depend upon the level of breathing zone contaminant and the chemical nature of the contaminant.

**Thermal hazards:** /

#### Section 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance(physical state, colour etc)</b>	Colorless transparent liquid.
<b>Odour</b>	/
<b>Odour Threshold</b>	/
<b>pH</b>	/
<b>Melting point/freezing point</b>	/
<b>Initial boiling point and boiling range</b>	255°C
<b>Flash point</b>	96°C
<b>Evaporation rate</b>	/
<b>Flammability (solid, gas)</b>	/
<b>Upper/lower flammability or explosive limits</b>	/
<b>Vapour pressure</b>	1.6 @ 37.7 C.
<b>Vapour density</b>	6.
<b>Relative density</b>	0.912 @ 25 C.
<b>Solubility(ies)</b>	Partly miscible.
<b>Partition coefficient: n-octanol/water</b>	/
<b>Auto-ignition temperature</b>	/
<b>Decomposition temperature</b>	/
<b>Viscosity</b>	/

#### Section 10 STABILITY AND REACTIVITY

**Reactivity:** /

**Chemical stability:** This material is stable in normal temperature.

**Possibility of hazardous reactions:** Slight fire hazard when exposed to heat or flame. Heating may cause expansion or decomposition leading to violent rupture of containers.

**Conditions to avoid:** High temperature, spark, static electricity, oxidising agents.

**Incompatible materials:** strong acids, acid chlorides, acid anhydrides and chloroformates.

**Hazardous decomposition products:** carbon dioxide (CO<sub>2</sub>), nitrogen oxides (NO<sub>x</sub>), other pyrolysis products typical of burning organic material May emit corrosive fumes.

#### Section 11 TOXICOLOGICAL INFORMATION

**Information on the likely routes of exposure:** Inhaled, swallowed, skin, eyes.

**Symptoms related to the physical, chemical and toxicological characteristics:** /

**Acute health effects:** Accidental inhalation of the material may be harmful and cause cough and throat pain. This material may produce skin and eyes serious burn. Oral intake is corrosive to the mouth and cause headache, giddiness, vomit and other symptoms.

**Chronic health effects:** Repeated or prolonged exposure to acids may result in the erosion of teeth, swelling and/or ulceration of mouth lining. Chronic exposure may inflame the skin or conjunctiva.

**Numerical measures of toxicity (such as acute toxicity estimates):** /

#### Section 12 ECOLOGICAL INFORMATION

**Toxicity:** Very toxic to aquatic life with long lasting effects.

**Persistence and degradability:** high.

**Bioaccumulative potential:** medium.

**Mobility in soil:** low.

**Other adverse effects:** /

#### Section 13 DISPOSAL CONSIDERATIONS

**Disposal methods:** Recycle wherever possible. Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified. Treat and neutralise at an approved treatment plant..

#### Section 14 TRANSPORT INFORMATION

**UN number:** 2565.

**UN proper shipping name:** DICYCLOHEXYLAMINE

**Transport hazard class(es):** 8.

**Packing group, if applicable:** III.

**Environmental hazards:** Marine pollutant.

**Special precautions for user:** /

#### Section 15 REGULATORY INFORMATION

**Regulations:** This safety data sheet is in compliance with the following national standards: GB 16483-2008, GB 13690-2009, GB/T 15098-2008, GB 18218-2009, GB 15258-2009, GB 6944-2012, GB 190-2009, GB 191-2009, GB 12268-2008, GA 57-1993, GBZ 2-2007 as well as

the following national regulations: Dangerous Goods Transport Administrative Regulation [Published by the Ministry of Railways, 2008], Dangerous Chemicals Safety Administrative Regulation [Published by the State Council, 2011].

Section 16 OTHER INFORMATION

<b>References</b>	UN Recommendations on the Transport of Dangerous Goods Model Regulations UN Globally Harmonized System of Classification and Labelling of Chemicals
<b>Form Date</b>	20-Jan.-2015

Note1: As a result of product features without the existence of certain information or no data available (such as boiling point does not exist for the solid) in the table with "/" logo.



二环己胺

DICYCLOHEXYLAMINE

UN 2565