

编 码：

产品名称： 硫化化钠



危险

儿童不得接触

使用前请读标签

可能腐蚀金属。吞咽会中毒。皮肤接触致命。造成严重皮肤灼伤和眼损伤。对水生生物有毒。

**预防：**

只能在原容器中存放。作业后彻底清洗双手。使用本产品时不要进食、饮水或吸烟。严防进入眼中、接触皮肤或衣服。不要吸入粉尘或烟雾。戴防护手套/穿防护服/戴防护面具/戴防护眼罩。避免释放到环境中。

**反应：**

吸收溢出物，防止材料损坏。如误吞咽：立即呼叫解毒中心或医生。具体治疗（见安全数据单）。漱口。不得诱导呕吐。如皮肤（或头发）沾染：用大量水清洗。立即呼叫解毒中心或医生。具体治疗（见安全数据单）。立即脱掉所有沾染的衣服，清洗后方可重新使用。如误吸入：将受害人转移到空气新鲜处，保持呼吸舒适的休息姿势。立即呼叫解毒中心或医生。具体治疗（见安全数据单）。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。

**贮存：**

存储于抗腐蚀/带抗腐蚀的衬里的容器中。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 : Sodium  
hydrosulfide



Danger

Keep out of the reach of children.

Read label before use.

**May be corrosive to metals. Toxic if swallowed. Fatal in contact with skin. Causes severe skin burns and eye damage. Toxic to aquatic life.**

**Prevention:**

Keep only in original container. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Do not breathe dusts or mists. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

**Response:**

Absorb spillage to prevent material damage. If swallowed: Immediately call a poison center/doctor. Specific treatment (see safety data sheet). Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Wash with plenty of water. Immediately call a poison center/doctor. Specific treatment (see safety data sheet). Take off immediately all contaminated clothing and wash it before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center/doctor. Specific treatment (see safety data sheet). 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.

**Storage:**

Store in corrosive resistant container with a resistant inner liner. Store locked up.

**Disposal:**

Dispose of contents/container in accordance with local/regional/national/international regulations.


# 化学品安全数据单

## 一、标识

**全球统一制度产品标识符:** 硫化氢/ Sodium hydrosulfide。  
**其它标识办法:** 氢硫化钠。  
**化学品使用建议和使用限制:** 本品可用作有机合成的中间体, 也可用于染料、制革、化肥、采矿等工业。  
**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:**  
金属腐蚀剂第 1 类  
急性毒性 (口服) 第 3 类  
急性毒性 (皮肤) 第 2 类  
皮肤腐蚀/刺激第 1B 类  
严重眼损伤/眼刺激第 1 类  
危害水生环境 (急性) 第 2 类。  
**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: 可能腐蚀金属。吞咽会中毒。皮肤接触致命。造成严重皮肤灼伤和眼损伤。对水生生物有毒。  
防范说明:  
预防:  
只能在原容器中存放。作业后彻底清洗双手。使用本产品时不要进食、饮水或吸烟。严防进入眼中、接触皮肤或衣服。不要吸入粉尘或烟雾。戴防护手套/穿防护衣服/戴防护面具/戴防护眼罩。避免释放到环境中。  
反应:  
吸收溢出物, 防止材料损坏。如误吞咽: 立即呼叫解毒中心或医生。具体治疗 (见下文)。漱口。不得诱导呕吐。如皮肤 (或头发) 沾染: 用大量水清洗。立即呼叫解毒中心或医生。具体治疗 (见下文)。立即脱掉所有沾染的衣服, 清洗后方可重新使用。如误吸入: 将受害人转移到空气新鲜处, 保持呼吸舒适的休息姿势。立即呼叫解毒中心或医生。具体治疗 (见下文)。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。  
贮存:  
存储于抗腐蚀/带抗腐蚀的衬里的容器中。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)
硫化氢钠	16721-80-5	70.07%

### 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。

**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:** 饮足量温水,切勿催吐。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:** 可用雾状水、干粉、泡沫等灭火。

**化学品产生的具体危险:** 在高温高热下燃烧分解,释放出有毒气体。

**消防人员的特殊防护行动:** 消防人员必须配戴空气呼吸器、消防衣及防护手套,根据着火原因选择适当灭火剂,在安全距离以外的上风向灭火。

### 六、意外释放措施

**人身防范、保护设备和应急程序:** 建议应急处理人员戴正压式呼吸器,穿防毒工作服。不要直接接触泄漏物。

**环境防范措施:** 隔离泄漏污染区,限制出入。

**抑制和清洁的方法和材料:** 小量泄漏:避免扬尘,用洁净的铲子收集于干燥、洁净、有盖的容器中,转移至安全场所。切勿使产品进入下水道等限制性区域。大量泄漏:用塑料布、帆布覆盖。使用无火花工具收集回收或运至废物处理场所处置。

### 七、搬运与储存

**安全搬运的防范措施:** 密闭操作,加强通风,严格遵守操作规程,建议操作人员佩戴防毒面具,穿相应防护服,戴橡胶防酸碱手套,戴防护眼镜、口罩,工作现场严禁吸烟。

**安全存储的条件,包括任何不相容性:** 储存于阴凉、通风的仓库内。远离火种、热源。包装必须密封,切勿受潮。搬运时要轻装轻卸,防止包装及容器损坏。应与氧化剂、酸类、易燃(可)燃物等分开存放,切忌混储。储区应备有合适的材料收容泄漏物。

### 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:** 呼吸系统防护中已作防护。

**皮肤防护:** 穿连衣式胶布防毒衣。

**呼吸系统防护:** 可能接触其粉尘时,必须佩戴防尘面具(全面罩)。紧急事态抢救或撤离时,

应该佩戴空气呼吸器。

**高温危险：** /

#### 九、物理及化学性质

外观（物理状态、颜色等）	棕色块状固体。
气味	/
气味阈值	/
pH 值	/
熔点/凝固点	/
初始沸点和沸腾范围	/
闪点	/
蒸发速率	/
易燃性（固体、气体）	/
上下易燃极限或爆炸极限	/
蒸气压力	/
蒸气密度	/
相对密度	/
可溶性	不溶于水。
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：** 水溶液是一种强碱，与酸激烈反应并具有腐蚀性。加热时，该物质分解，生成硫氧化物。与水接触时，该物质分解生成硫化氢。腐蚀金属。与强氧化剂反应生成硫氧化物。

**应避免的条件：** 火星、静电、高温。

**不相容材料：** 氧化剂、酸类、易（可）燃物。

**危险分解产物：** 硫氧化物等。

#### 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、严重烧伤。眼睛接触后会导致发红、疼痛、严重烧伤。食入会导致灼烧感、恶心、头晕、呕吐、腹痛等症状。

**慢性毒性或长期毒性效应：** /

**毒性的度量值（如急性毒性估计值）：**

LD50(Oral, rat)= 208 mg/kg

LD50(Dermal, mouse)= 200 mg/kg

LD50(Intraperitoneal, rat)=30 mg/kg

## 十二、生态信息

毒性：/  
持久性和降解性：/  
生物累积潜力：/  
在土壤中的流动性：/  
其它有害效应：/

## 十三、处置考虑

**处置方法：**用安全掩埋法处置。破损容器禁止重新使用，要在规定场所掩埋。

## 十四、运输信息

联合国编号：2949。  
联合国正式运输名称：氢硫化钠，含结晶水不低于 25%。  
运输危险分类：8。  
包装类别（如果适用）：II。  
环境危险：/  
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 6944-2012、GB/T 15098-2008、GB 18218-2009、GB 15258-2009、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>	2014-4-16

注 1：当产品为含有两种以上危险物质的混合物时，应依据其混合后的危险性，制作安全数据单。

注 2：制造商/供应商应根据实际情况确保安全数据单所含信息的正确性，并适时更新。

注 3：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:** Sodium hydrosulfide.

**Other means of identification:** /

**Recommended use of the chemical and restrictions on use:** This material can be used as intermediate of organic synthesis. It can also be used in dye, leather, fertilizer, mining industries.

**Supplier's details:** /

**Emergency phone number:** /

## Section 2 HAZARDS IDENTIFICATION

### Classification of the substance or mixture:

Corrosive to metals Category 1

Acute toxicity, oral Category 3

Acute toxicity, dermal Category 2

Skin corrosion/irritation Category 1B

Serious eye damage/eye irritation Category 1

Hazardous to the aquatic environment, acute hazard Category 2

### GHS Label elements, including precautionary statements:



**Signal word:** Danger

**Hazard statement(s):** May be corrosive to metals. Toxic if swallowed. Fatal in contact with skin. Causes severe skin burns and eye damage. Toxic to aquatic life.

### Precautionary statement(s):

Prevention:

Keep only in original container. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Do not breathe dusts or mists. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

Response:

Absorb spillage to prevent material damage. If swallowed: Immediately call a poison center/doctor. Specific treatment (see under for further information). Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Wash with plenty of water. Immediately call a poison center/doctor. Specific treatment (see under for further information). Take off immediately all contaminated clothing and wash it before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center/doctor. Specific treatment (see under for further information). 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.

Storage:

Store in corrosive resistant container with a resistant inner liner. Store locked up.  
Disposal:  
Dispose of contents/container in accordance with local/regional/national/international regulations.  
**Other hazards which do not result in classification: /**

### Section 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration%
Sodium hydrosulfide	16721-80-5	70.07%

### 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. 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 foam, chemical powder or water spray.  
**Special hazards arising from the chemical:** This material may decompose and burn at high temperature and fire and release toxic fumes.  
**Special protective actions for fire-fighters:** Wear self-contained breathing apparatus for firefighting if necessary. Use water spray to cool unopened containers.

### Section 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.  
**Environmental precautions:** Do not enter into spillage area. Prevent further leakage or spillage if safe to do so. Do not let product enter drains.  
**Methods and materials for containment and cleaning up:** Contain spillage, and then collect in a clean container according to local regulations.

### Section 7 HANDLING AND STORAGE

**Precautions for safe handling:** Wear protective gloves/eye protection/face protection/protective clothing. Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking.  
**Conditions for safe storage, including any incompatibilities:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from flammable materials, acids and oxidizers.



## 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:** Safety glasses with side shields. Chemical goggles. 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. Impervious clothing,

**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>	Brown mass solid.
<b>Odour</b>	/
<b>Odour Threshold</b>	/
<b>pH</b>	/
<b>Melting point/freezing point</b>	/
<b>Initial boiling point and boiling range</b>	/
<b>Flash point</b>	/
<b>Evaporation rate</b>	/
<b>Flammability (solid, gas)</b>	/
<b>Upper/lower flammability or explosive limits</b>	/
<b>Vapour pressure</b>	/
<b>Vapour density</b>	/
<b>Relative density</b>	/
<b>Solubility(ies)</b>	Insoluble in water.
<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:** The material is stable in normal temperature.

**Possibility of hazardous reactions:** The solution in water is a strong base. It reacts violently with acid and is corrosive. Decomposes on heating. This produces sulfur oxides. Decomposes on contact with water. This produces hydrogen sulfide. Attacks metal. Reacts with strong oxidants. This produces sulfur oxides.

**Conditions to avoid:** Spark, high temperature and static electricity.

**Incompatible materials:** Oxidizers, acids and flammable materials.

**Hazardous decomposition products:** Oxysulfide sulfoxide, etc.

#### 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 ingestion of the material may be corrosive and cause cough and throat pain. Oral intake is corrosive to the mouth and cause headache, giddiness, vomit and other symptoms. This material may cause skin and eyes burn.  
**Chronic health effects:** /  
**Numerical measures of toxicity(such as acute toxicity estimates):**  
LD50(Oral, rat)= 208 mg/kg  
LD50(Dermal, mouse)= 200 mg/kg  
LD50(Intraperitoneal, rat)=30 mg/kg

#### Section 12 ECOLOGICAL INFORMATION

**Toxicity:** /  
**Persistence and degradability:** /  
**Bioaccumulative potential:** /  
**Mobility in soil:** /  
**Other adverse effects:** /

#### Section 13 DISPOSAL CONSIDERATIONS

**Disposal methods:** Burial in a land-fill specifically licensed to accept chemical. Reuse of broken container is forbidden.

#### Section 14 TRANSPORT INFORMATION

**UN number:** 2949.  
**UN proper shipping name:** SODIUM HYDROSULPHIDE, HYDRATED with not less than 25% water of crystallization.  
**Transport hazard class(es) :** 8.  
**Packing group, if applicable:** II.  
**Environmental hazards:** /  
**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
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	UN Globally Harmonized System of Classification and Labelling of Chemicals
<b>Form Date</b>	16-Apr-2014

Note 1: When products contain two or more hazardous substances, Safety Data Sheets should be prepared based on the risk of the mixture.

Note 2: Manufacturer / supplier should ensure the correctness of the information contained in the safety data sheets, and updated in a timely manner.

Note 3: 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.



氢硫化钠，含结晶水不低  
于 25%

SODIUM HYDROSULPHIDE, HYDRATED  
with not less than 25% water of  
crystallization

UN 2949