

编 码:

产品名称: 氨基磺酸



危 险
儿童不得接触
使用前请读标签

可能腐蚀金属。吞咽有害。造成严重皮肤灼伤和眼损伤。对水生生物有害并具有长期持续影响。

预防: 只能在原容器中存放。作业后彻底清洗。使用本产品时不要进食、饮水或吸烟。不要吸入粉尘或烟雾。戴防护手套/防护眼罩/戴防护面具。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:如感觉不适,立即呼叫解毒中心/医生。漱口。不得诱导呕吐。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。如误吸入:将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/医生。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/医生。

贮存: 贮存于抗腐蚀/带抗腐蚀衬里的容器中。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: **Sulfamic acid**



Danger

Keep out of the reach of children.

Read label before use

May be corrosive to metals. Harmful if swallowed. Causes severe skin burns and eye damage.

Harmful to aquatic life with long lasting effects.

Prevention: Keep only in original container. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. 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: call a POISON CENTER/doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. 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 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：氨基磺酸/ Sulfamic acid。

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：

金属腐蚀剂类别 1

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（长期）类别 3。

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。吞咽有害。造成严重皮肤灼伤和眼损伤。对水生生物有害并具有长期持续影响。

防范说明：

预防：

只能在原容器中存放。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：漱口。不得诱导呕吐。如感觉不适，呼叫解毒中心或医生。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。吸收溢出物，防止材料损坏。

贮存：

贮存于抗腐蚀/带抗腐蚀衬里的容器中。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	成分（由送检
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	(CAS No.)	企业提供)
氨基磺酸	5329-14-6	99.63%

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、泡沫等灭火。

化学品产生的具体危险：固体。可与水混合。腐蚀性。酸。不燃。火灾产生有毒烟雾。本物质与金属反应，生成氢。

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：避免接触皮肤和眼睛。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：收集可回收的产品于贴有标签的容器中，以便回收利用。对残留物进行中和/去污。冲洗沾染区域，防止废液流入阴沟。完成清理工作后，对所有防护服和设备，在存放和再使用前，应进行去污和清洗。

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。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：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： /

紧急限制

成分	TEEL-1	TEEL-2	TEEL-3
氨基磺酸	9.5 (mg/m ³)	100(mg/m ³)	630(mg/m ³)

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）	白色晶体粉末。
气味	/
气味阈值	/
pH 值	/
熔点/凝固点	200-205 ℃
初始沸点和沸腾范围	/
闪点	/
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	/
蒸气密度	/
相对密度	2.15。
可溶性	混溶。
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： 与碱性物质接触会释放出热量。

危险反应的可能性： 不会发生危险的聚合反应。

应避免的条件： 存在不相容的物质。

不相容材料： 碱。

危险分解产物： /。

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): 口服, LD50(大鼠): 1450mg/kg。

十二、生态信息

毒性: 对水生生物有害并具有长期持续影响。

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: 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: 2967。

联合国正式运输名称: 氨基磺酸。

运输危险分类: 8。

包装类别 (如果适用): III。

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/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

参考文献	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》
制表日期	2015-03-16

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:Sulfamic acid.

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:

Corrosive to metals Category 1

Acute Toxicity (Oral) Category 4

Skin Corrosion/irritation Category 1C

Eye Damage/irritation Category 1

Hazardous to the aquatic environment, long-term hazard Category 3

GHS Label elements, including precautionary statements:



Signal word: Danger

Hazard statement(s):May be corrosive to metals. Harmful if swallowed. Causes severe skin burns and eye damage. Harmful to aquatic life with long lasting effects.

Precautionary statement(s):

Prevention:

Keep only in original container. 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: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor/if you feel unwell. 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 and wash it before reuse.

Rinse skin with water/shower. 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. Absorb spillage to prevent material damage.

Storage:

Store in corrosive resistant/container with a resistant inner liner. 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 %
Sulfamic acid	5329-14-6	99.63%

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, foam to extinguishing.

Special hazards arising from the chemical: Solid. Mixes with water. Corrosive. Acid. Does not burn. Toxic smoke/fumes in a fire. Attacks metals to liberate hydrogen.

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: Avoid contacting 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: Collect recoverable product into labeled containers for recycling. Neutralize/decontaminate residue. Collect solid residues and seal in labeled drums for disposal. Wash area and prevent runoff into drains. After clean-up operations, decontaminate and launder all protective clothing and equipment before storing and re-using.

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 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: /

EMERGENCY LIMITS

成分	TEEL-1	TEEL-2	TEEL-3
Sulfamic acid	9.5 (mg/m ³)	100(mg/m ³)	630 (mg/m ³)

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

Appearance(physical state, colour etc)	White crystal powder.
Odour	/
Odour Threshold	/
pH	/
Melting point/freezing point	200-205 °C
Initial boiling point and boiling range	/
Flash point	/
Evaporation rate	/
Flammability (solid, gas)	/
Upper/lower flammability or explosive limits	/
Vapour pressure	/
Vapour density	/
Relative density	2.15。
Solubility(ies)	miscible。
Partition coefficient: n-octanol/water	/
Auto-ignition temperature	/
Decomposition temperature	/
Viscosity	/

Section 10 STABILITY AND REACTIVITY

Reactivity: /

Chemical stability: Contact with alkaline material liberates heat.

Possibility of hazardous reactions: Hazardous polymerisation will not occur.

Conditions to avoid: Unstable in the presence of incompatible materials.

Incompatible materials: alkali.

Hazardous decomposition products: /.

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):

Oral, LD50(rat): 1450mg/kg

Section 12 ECOLOGICAL INFORMATION

Toxicity: Harmful to aquatic life with long lasting effects.

Persistence and degradability: /.

Bioaccumulative potential: /.

Mobility in soil: /.

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: 2967.

UN proper shipping name: SULPHAMIC ACID.

SOLUTION Transport hazard class(es): 8.

Packing group, if applicable: III.

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

References	UN Recommendations on the Transport of Dangerous Goods Model Regulations UN Globally Harmonized System of Classification and Labelling of Chemicals
Form Date	16-Mar.-2015

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.



氨基磺酸

Sulfamic acid

UN 2967