

编 码:

产品名称: 肌氨酸钠



危 险
儿童不得接触
使用前请读标签

可能腐蚀金属。造成严重皮肤灼伤和眼损伤。怀疑会导致遗传性缺陷。

预防:

在使用前获取特别指示。在读懂所有安全防范措施之前切勿搬动。只能在原容器中存放。不要吸入粉尘或烟雾。 作业后彻底清洗。戴防护手套/穿防护衣服/防护面具/防护眼罩。

应急:

如误吞咽: 漱口。不得诱导呕吐。如皮肤(或头发)沾染: 立即去除/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。如接触到或有疑虑: 求医/就诊。吸收溢出物, 防止材料损坏。

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

sarcosinate



Danger

Keep out of the reach of children.

Read label before use.

May be corrosive to metals. Causes severe skin burns and eye damage. Suspected of causing genetic defects.

Prevention:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep only in original container. Do not breathe dusts or mists. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF SWALLOWED: 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. Specific treatment (see safety sheet on this label). 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. IF exposed or concerned: Get medical advice /attention. Absorb spillage to prevent material.

Storage:

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

Disposal: Dispose of contents/container to relevant regulations.

化学品安全数据单

一、标识

全球统一制度产品标识符：肌氨酸钠/ Sodium sarcosinate。

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：

金属腐蚀剂第 1 类、皮肤腐蚀/刺激第 1B 类、严重眼损伤/眼刺激第 1 类、生殖细胞致突变性第 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。造成严重皮肤灼伤和眼损伤。怀疑会导致遗传性缺陷。

防范说明：

预防：

在使用前获取特别指示。在读懂所有安全防范措施之前切勿搬动。只能在原容器中存放。不要吸入粉尘或烟雾。作业后彻底清洗。戴防护手套/穿防护衣服/防护面具/防护眼罩。

反应：

如误吞咽：漱口。不得诱导呕吐。如皮肤（或头发）沾染：立即去除/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。如接触到或有疑虑：求医/就诊。吸收溢出物，防止材料损坏。

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）
肌氨酸钠	4316-73-8	37%
水	7732-18-5	63%

四、急救措施

不同暴露途径的急救方法

吸入：如果吸入,请将患者移到新鲜空气处。如果停止了呼吸,给予人工呼吸。求医。

皮肤接触：用肥皂和大量的水冲洗。求医。

眼睛接触：用大量水彻底冲洗至少 15 分钟。就医。

摄入：如果食入,请勿延误;立即就医。若需建议帮助,请联系毒物信息中心或医生。

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：水雾、抗醇泡沫、干粉或二氧化碳。

化学品产生的具体危险：酸与金属反应可产生氢气,为一种极易燃易爆的气体。加热可引起膨胀或分解,导致容器剧烈破损。可放出辛辣烟和腐蚀性烟雾。

消防人员的特殊防护行动：穿全身防护服并佩戴呼吸设备。采取一切可能的措施防止溢出物进入下水道或水道。采用适合于周围环境的灭火程序。不要靠近可能灼热的容器。从有防护的位置喷水以便冷却暴露于火灾中的容器。在安全条件下,将容器从火场中移走。

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防护口罩,穿消防工作服。防止吸入蒸气,防止接触皮肤和眼睛。

环境防范措施：用各种方法防止泄漏物进入阴沟或水道。

抑制和清洁的方法和材料：小量泄漏:立即清理所有泄漏物。用蛭石或其它吸附性物质来收集并吸附少量泄漏物。用抹布擦除。收集残留物于易燃废弃物容器中。大量泄漏:用沙子、土或蛭石来控制或掩盖泄漏物。收集可回收的物质,放入贴有标签的容器中,以便回收使用。收集残留物,密封于贴有标签的桶中,以便废弃处理。冲洗该区域。

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。

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： /

适当的工程控制：一般需要采取局部通风。如果有过度暴露的危险,佩戴合适的呼吸器。

个人防护措施

防护眼罩/面具：有侧框保护的安全护目镜。化学护目镜。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）	浅黄色透明液体。
气味	/
气味阈值	/
pH 值	/
熔点/凝固点	/
初始沸点和沸腾范围	/
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	与水混溶。
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： 在常温下稳定。
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： 氧化性物质等。
危险分解产物： 二氧化碳，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： 酸性腐蚀物能引起呼吸道刺激，伴有咳嗽、呼吸道阻塞和粘膜损伤。食入酸性腐蚀物可能导致口腔周围或内部、咽喉和食道的灼伤。皮肤接触酸性腐蚀性物质可能引起疼痛和灼伤。如果进入眼睛，该物质会造成严重眼睛损伤。
慢性毒性或长期毒性效应： 反复或长时间接触酸类物质，可能引起牙齿的腐蚀、口腔粘膜的肿胀和/或溃疡。刺激呼吸道及肺部，并通常伴有咳嗽和肺部组织炎症。长期接触可能导致皮炎或结膜炎。有限的证据表明反复或长期职业接触可能会产生涉及器官或生化系统累积性的健康影响。
毒性的数值度量（如急性毒性估计值）： /

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：尽可能进行回收。如果不能确定有合适的处理或废弃处置设备，咨询制造商有关回收的方法，或咨询当地或地方废弃物管理部门有关废弃方法。按如下方法废弃处理：在经批准的、特别用于接收化学品和/医药垃圾填埋处进行掩埋或在有许可证的焚化场进行焚化（与适当的可燃物质混合后）。对清空的容器进行去污处理。遵守所有的标注规定，直至容器被清洗或销毁为止。

十四、运输信息

联合国编号：3267。
联合国正式运输名称：有机碱性腐蚀性液体，未另作规定的。
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

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	2014-8-04

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 sarcosinate.

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, Skin corrosion/irritation Category 1B, Serious eye damage/eye irritation Category 1, Germ Cell Mutagenicity Category 2.

GHS Label elements, including precautionary statements:



Signal word: Danger

Hazard statement(s): May be corrosive to metals. Causes severe skin burns and eye damage. Suspected of causing genetic defects.

Precautionary statement(s):

Prevention:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep only in original container. Do not breathe dusts or mists. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF SWALLOWED: 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. Specific treatment (see safety sheet on this label). 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. IF exposed or concerned: Get medical advice /attention. Absorb spillage to prevent material.

Storage:

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

Disposal:

Dispose of contents/container to relevant regulations.

Other hazards which do not result in classification: /

Section 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration%
Sodium sarcosinate	4316-73-8	37%
Water	7732-18-5	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: IF SWALLOWED, REFER FOR MEDICAL ATTENTION, WHERE POSSIBLE, WITHOUT DELAY. For advice, contact a Poisons Information Centre or a doctor.

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: water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the chemical: Acids may react with metals to produce hydrogen, a highly flammable and explosive gas. Heating may cause expansion or decomposition leading to violent rupture of containers. May emit acrid smoke and corrosive fumes.

Special protective actions for fire-fighters: Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water course. Use firefighting procedures suitable for surrounding area. Do not approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire.

Section 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid breathing vapors and contact with skin and eyes.

Environmental precautions: Prevent, by any means available, spillage from entering drains or water course.

Methods and materials for containment and cleaning up: Minor Spills : Clean up all spills immediately. Contain and absorb small quantities with vermiculite or other absorbent material. Wipe up. Collect residues in a flammable waste container. Major Spills: Contain or cover with sand, earth or vermiculite. Collect recoverable product into labelled containers for recycling. Collect residues and seal in labelled drums for disposal. Wash area with water.

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.

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 SDS.

Section 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: /

Appropriate engineering controls: Local exhaust ventilation usually required. If risk of overexposure exists, wear approved respirator.

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.

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)	Light yellow transparent liquid.
Odour	/
Odour Threshold	/
pH	/
Melting point/freezing point	/
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	/
Solubility(ies)	Miscible.
Partition coefficient: n-octanol/water	/
Auto-ignition temperature	/
Decomposition temperature	/
Viscosity	/

Section 10 STABILITY AND REACTIVITY

Reactivity: /

Chemical stability: This material is stable in normal temperature.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Presence of incompatible materials.

Incompatible materials: oxidizer. etc.

Hazardous decomposition products: carbon dioxide, other pyrolysis products typical of burning

organic material.

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: Acidic corrosives produce respiratory tract irritation with coughing, choking and mucous membrane damage. Ingestion of acidic corrosives may produce circumoral burns with a distinct discolouration of the mucous membranes of the mouth, throat and oesophagus. Skin contact with acidic corrosives may result in pain and burns. When applied to the eye(s), the material produces severe ocular lesions.

Chronic health effects: Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative health effects involving organs or biochemical systems.

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

Section 12 ECOLOGICAL INFORMATION

Toxicity: /

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. Dispose of by: burial in a land-fill specifically licenced to accept chemical and / or pharmaceutical wastes or Incineration in a licenced apparatus (after admixture with suitable combustible material) Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.

Section 14 TRANSPORT INFORMATION

UN number: 3267.

UN proper shipping name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.

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

References	UN Recommendations on the Transport of Dangerous Goods Model Regulations UN Globally Harmonized System of Classification and Labelling of Chemicals
Form Date	04- Aug -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.



有机碱性腐蚀性液体，未
另作规定的(肌氨酸钠)

CORROSIVE LIQUID, BASIC, ORGANIC,
N. O. S (Sodium sarcosinate)

UN 3267

