

## 化学品安全技术说明书

## Material Safety Data Sheet

样品名称: 腐植酸钾

Samples Name: Potassium Humate

型号: /

Model: /

批号: /

Item Number: /

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签发日期 2025.11.15

Date of issue:




## 第一项：配制品名称和制造商信息

### Section 1 - Chemical Product and Company Identification

配制品名称 Product Name	腐植酸钠 Sodium Humate		
生产企业名称 Manufacturer	乌海市三和腐植酸钠有限责任公司 Wuhai Sanhe Humic Acid Sales Co., Ltd		
生产企业地址 Manufacturer Address	内蒙古自治区乌海市乌达区鲁达沟内 Ludagou, Wuda District, Wuhai City, Inner Mongolia Autonomous Region		
联系人 Contacts	梁磊 Liang Lei	电话 Tel	17812399332
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电子邮件地址 Email	/		

## 第二项：危害信息

### Section 2 - Hazards Identification

危险性类别 Hazards category	皮肤刺激-类别2, 眼睛刺激-类别2A Skin irritation - Category 2, Eye irritation - Category 2A
健康危害 Health hazards	可能对皮肤或眼睛造成刺激 May cause irritation to the skin or eyes
象形图 Pictographic diagram	
警示词 Warning words	危险 danger
防范说明 Preventive instructions	预防措施: P261 避免吸入粉尘/烟/气体/烟雾/蒸气/喷雾. P264 操作后彻底清洁皮肤, P271 只能在室外或通风良好之处使用, P280 穿戴防护手套/眼保护罩/面部保护罩。 事故响应: P302+P352 如果皮肤接触:用大量肥皂和水清洗。 P304+P340 如吸入: 将患者移到新鲜空气处休息, 并保持呼吸舒畅的姿势。 P305+P351+P338 如与眼睛接触, 用水缓慢温和地冲洗几分钟。如戴



	<p>隐形眼镜并可方便地取出，取出隐形眼镜，然后继续冲洗 P312 如感觉不适，呼救中毒控制中心或医生. P321 具体处置(见本标签上提供的急救指导)。 P332+P313 如觉皮肤刺激:求医/就诊， P337+P313 如仍觉眼睛刺激:求医/就诊。 P362 脱掉沾污的衣服，清洗后方可再用。 安全储存： P403+P233 存放于通风良的地方。 保持容器密闭。 P405 存放处须加锁。 废弃处置： P501将内容物/容器处理到得到批准的废物处理厂。 Preventive measures: P261 Avoid inhaling dust/smoke/gas/smoke/vapor/spray Thoroughly clean the skin after P264 operation. P271 can only be used outdoors or in well ventilated areas.P280 Wear protective gloves/eye protection/face protection. Accident response: P302+P352 If in skin contact: Wash with plenty of soap and water. P304+P340 If inhaled: Move the patient to fresh air to rest and maintain a comfortable breathing position. P305+P351+P338 If in contact with eyes, rinse slowly and gently with water for a few minutes. If wearing contact lenses that can be easily removed, remove the contact lenses and continue rinsing If you feel uncomfortable, call the poison control center or doctor for help P321 Specific disposal (see first aid guidance provided on this label). P332+P313 If you feel skin irritation: seek medical attention. P337+P313 If eye irritation persists: seek medical attention. P362 Remove contaminated clothing and wash before reuse. Safe storage: P403+P233 should be stored in a well ventilated area. Keep the container tightly sealed. P405 storage area needs to be locked. Disposal of waste: P501 Dispose of the contents/containers to an approved waste treatment plant.</p>
<p><b>环境危害</b> Environment hazards</p>	<p>对环境可能有害。 May be harmful to the environment.</p>
<p><b>燃爆危险</b> Burn &amp; burst danger</p>	<p>不燃，无特殊燃爆特性。 Non combustible, without special explosive characteristics.</p>

## 第三项：组成信息

### Section 3 –Composition/Information on Ingredient

化学成分：  
Composition:





化学名称 Chemical Name	成分比(%) Composition (in% by weight)	化学式 Chemical formula	CAS号 CAS No.	EC号 ECNo.
腐植酸 humic acid	≥50%-≥70%	/	1415-93-6	/
钾 potassium	≥6%-≥12%	/	7440-09-7	/
水 water	≤15%-≤18%	/	7732-18-5	/

## 第四项：急救措施

### Section 4 - First Aid Measures

皮肤接触 Skin touch	用肥皂和大量的水冲洗。 <u>Rinse with soap and plenty of water.</u>
眼睛接触 Eyes touch	立即提起眼睑，用大量流动清水或生理盐水彻底冲洗10~15分钟。如有不适感，就医。 <u>Immediately lift the eyelids and thoroughly rinse with plenty of flowing water or saline solution for 10-15 minutes. Like if you feel uncomfortable, seek medical attention.</u>
吸入 Inhalation	将患者移到新鲜空气处。如果停止了呼吸，给予人工呼吸。立即就医。 <u>Quickly leave the scene to get fresh air. Keep the airways open.</u>
食入 Ingestion	切勿给失去知觉者从嘴里喂食任何东西。用水漱口。立即就医。 <u>Do not feed anything from the mouth to an unconscious person. Rinse your mouth with water. Consult a doctor.</u>

## 第五项：消防措施

### Section 5 - Fire Fighting Measures Danger

危险特性 Characteristic	无资料 No data
有害燃烧产物 Hazardous combustion products	无资料 No data
灭火方法及灭火剂 Fire-Fighting method & media	用水雾，耐醇泡沫，干粉或二氧化碳灭火。 <u>Use water mist, alcohol resistant foam, dry powder or carbon dioxide to extinguish the fire.</u>



## 第六项：泄漏应急处理

### Section 6 –Accidental Release Measures

<b>应急处理</b> Emergency treatment	使用个人防护设备。防止吸入蒸汽、气雾或气体。保证充分的通风。将人员撤离到安全区域。 Use personal protective equipment. Prevent the generation of dust. Prevent inhalation of vapors, aerosols, or gases. Ensure sufficient ventilation. Evacuate personnel to a safe area. Avoid inhaling dust.
<b>小量泄漏</b> Small leakage	扫掉和铲掉。放入合适的封闭的容器中待处理，禁止倒入下水道。 Sweep and shovel away. Place in a suitable closed container for disposal and do not pour into the sewer.
<b>大量泄漏</b> Massive leakage	回收或运至废物处理场所处置。 Recycle or transport to a waste disposal site for disposal.

## 第七项：操作和储存

### Section 7 - Handling and Storage

<b>操作注意事项</b> Handling	防止粉尘和气溶胶生成。避免曝露：使用前需要获得专门的指导。在有粉尘生成的地方,提供合适的排风设备。 Prevent the generation of dust and aerosols. Avoid exposure: Special guidance is required before use. Provide suitable exhaust equipment in areas with dust generation
<b>储存注意事项</b> Storage	贮存在阴凉处。容器保持紧闭，储存在干燥通风处。 Store in a cool place. Keep the container tightly closed and store in a dry and ventilated place

## 第八项：接触控制和个人防护措施

### Section 8 - Exposure Controls, Personal Protection

<b>工程控制</b> Engineering control	保持充分的通风，特别在封闭区内。确保在工作场所附近有洗眼和淋浴设施。使用防爆电器、通风、照明等设备。设置应急撤离通道和必要的泄险区。 Maintain adequate ventilation, especially in enclosed areas. Ensure that eyewash and shower facilities are available near the workplace. Use explosion-proof electrical appliances, ventilation, lighting and other equipment. Set emergency evacuation channels and necessary risk relief areas.
<b>呼吸系统防护</b> Respiratory protection	一般不需要特殊防护，当空气中粉尘浓度超标时佩戴过滤式面罩。 Generally, no special protection is required, Wear a filter mask when the dust concentration in the air exceeds the standard.

<b>手防护</b> <b>Hand protection</b>	戴橡胶耐油手套 Wear rubber oil resistant gloves
<b>眼睛防护</b> <b>Eye protection</b>	佩戴化学安全防护眼镜。 Wear chemical safety glasses
<b>皮肤和身体防护</b> <b>Body protection</b>	穿安全防护衣 Wear safety protective clothing
<b>其他防护</b> <b>Other protection</b>	工作现场禁止吸烟、进食和饮水。注意个人清洁卫生。 Smoking, eating and drinking are prohibited at the work site. Pay attention to personal hygiene.

## 第九项：理化特性

### Section 9 - Physical and Chemical Properties

<b>外观</b> <b>Exterior</b>	片型颗粒状 Particle shaped flakes		
<b>颜色</b> <b>Colour</b>	亮黑色 Bright black	<b>气味</b> <b>Odor</b>	无味 No odor
<b>密度</b> <b>Density</b>	无数据 No data	<b>沸点</b> <b>Boiling point</b>	无数据 No data
<b>熔点</b> <b>Melting point</b>	无数据 No data	<b>闪点</b> <b>Flash point</b>	无数据 No data
<b>气压</b> <b>Air pressure</b>	无数据 No data	<b>水溶性</b> <b>Water soluble</b>	98%-100% 98%-100%
<b>分配系数(正辛醇\水)</b> <b>Partition coefficient (N-octanol-water)</b>	无数据 No data	<b>粘度</b> <b>Viscosity</b>	无数据 No data
<b>pH值</b> <b>pH value</b>	无数据 No data	<b>溶剂吸入许可量</b> <b>Permissible amount of solvent intake</b>	无数据 No data
<b>溶解性</b> <b>Solubility</b>	无数据 No data	<b>燃点温度</b> <b>Ignition temperature</b>	无数据 No data

## 第十项：稳定性和反应活性

### Section 10 - Stability and Reactivity

<b>稳定性</b> <b>Stability</b>	常态下稳定。 Stable under normal conditions.
<b>禁配物</b> <b>Incompatible materials</b>	强氧化剂、强酸、强碱 Strong oxidant, strong acid, strong alkali
<b>避免接触的条件</b>	静电、放电、热、潮湿

<b>Conditions to avoid</b>	Static electricity, discharge, heat, moisture
<b>聚合危害</b> <b>Aggregation hazard</b>	无数据 No data
<b>分解产物</b> <b>Decomposition products</b>	无数据 No data

## 第十一项：毒理学信息

### Section 11 - Toxicological Information

<b>急性毒性</b> <b>Acute toxicity</b>	无数据 No data
<b>亚急性毒性和慢性毒性</b> <b>Subacute and chronic toxicity</b>	无数据 No data
<b>刺激性</b> <b>Irritating</b>	吸入吸入可能有害。引起呼吸道刺激。 摄入如服入是有害的。 皮肤 通过皮肤吸收可能有害。 造成皮肤刺激。眼睛造成严重眼刺激。 Inhalation may be harmful. Causing respiratory irritation. Ingestion is harmful if ingested. Skin absorption through the skin may be harmful. Causing skin irritation. Causes severe eye irritation.
<b>致敏性</b> <b>Sensitization</b>	无数据 No data
<b>致突变性</b> <b>Mutagenicity</b>	无数据 No data
<b>致癌性</b> <b>Carcinogenicity</b>	无数据 No data
<b>其他</b> <b>Other</b>	化学物质毒性作用登记:MT6544000 Registration of Toxic Effects of Chemical Substances: MT6544000

## 第十二项：生态学信息

### Section 12 - Ecological Information

<b>生态毒性</b> <b>Ecotoxicity</b>	无数据 No data
<b>生物降解性</b> <b>Biodegradability</b>	无数据 No data

非生物降解性 <b>Non-biodegradability</b>	无数据 No data
生物毒性或生物累积性 <b>Biological toxicity or bioaccumulation</b>	无数据 No data
其他有害作用 <b>Other harmful effects</b>	无已知重大影响或严重危害。 There is no known significant impact or serious hazard.

## 第十三项：废弃处置

### Section 13 - Disposal Considerations

废弃物性质 <b>Nature of waste</b>	无数据 No data
废弃处置方法 <b>Disposal methods</b>	处置前应参阅国家和地方有关法规。 Relevant national and local regulations should be consulted before disposal.
废弃注意事项 <b>Disposal considerations</b>	处置前应参阅国家和地方有关法规。 Relevant national and local regulations should be consulted before disposal.

## 第十四项：运输信息

### Section 14 - Transport Information

危险货物编号 <b>Dangerous goods No.</b>	无数据 No data
UN编号 <b>UN No.</b>	无数据 No data
包装方法 <b>Wrapping method</b>	按照生产商推荐的方法进行包装 Packaging according to the manufacturer's recommended method
运输注意事项 <b>Transportation considerations</b>	<p>运输前应先检查包装容器是否完整、密封，运输过程中要确保容器不泄漏、不倒塌、不坠落、不损坏。严禁与氧化剂、酸类等混装混运。运输车船必须彻底清洗、消毒，否则不得装运其它物品。运输过程中防止曝晒，雨淋，高温。中途停留时应远离火种、热源。船运时，配装位置应远离卧室、厨房，并与机舱、电源、火源等部位隔离。公路运输时要按规定路线行驶，勿在居民区和人口稠密区停留。铁路运输时要禁止溜放。</p> <p>Before transportation, the packaging container should be checked for completeness and sealing. During transportation, it should be ensured that the container does not leak, collapse, fall, or be damaged. Prohibit</p>

	mixed loading and transportation with oxidants, acids, etc. Transport vehicles and vessels must be thoroughly cleaned and disinfected, otherwise no other items may be loaded. During transportation, prevent exposure to sunlight, rain, and high temperatures. During a stopover, stay away from sparks and heat sources. When shipping, the loading location should be far from the bedroom and kitchen, and isolated from the engine room, power supply, fire sources, and other parts. During road transportation, it is necessary to follow the prescribed route and not stay in residential or densely populated areas. It is prohibited to slide during railway transportation.
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## 第十五项：法规信息

### Section 15 - Regulatory Information

<b>法规信息</b> <b>Regulatory Information</b>	ISO 11014-2009 化学品用安全资料表内容和排列顺序章节; Regulation (EC) No 1272/2008 物质及混合物分类、标签和包装法规; IATA 第 65 版《危险品规则》(2024年版); 《海运危险货物规则》(Amdt. 41-22) (2024 年版) ISO 11014-2009 Chemical use safety data sheet content and sequence section; Regulation (EC) No 1272/2008 Substances and mixtures classification, labeling and packaging regulations; IATA Edition 65 Dangerous Goods Rules (2024 Edition) Marine Dangerous Goods Rules (Amdt. 41-22) (2024 edition);
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## 第十六项：其他信息

### Section 16 - Additional Information

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