化学品安全技术说明书
(MSDS/SDS)

报告号	:	GSL20260123002C
申请方	:	江苏易初锆铪新材料有限公司
地址	:	江苏省新沂市经济开发区新戴路 10 号
商品名称	:	氧化锆
成分/原料	:	见 SDS 第三部分
摘要	:	本 SDS 安全技术明书的内容和格式按照欧盟法规（欧盟）1907/2006, 1272/2008 和 2020/878 来编写而成。
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第一部分：化学品及企业标识

- 1.1 产品标识
- **商品名称：**氧化锆
- **EC 号：**

215-227-2

- **CAS 号：**

1314-23-4

- **索引号：**

无可用数据。

- **REACH 注册号：**

无可用数据。

- **其他识别方式：**

无可用数据。

- 1.2 化学品相关识别使用以及限制使用
- **化学品的用途：**工业使用，工业制造、电子信息、生物医疗、能源环保、航空航天等核心领域
- **限制用途：**无相关信息
- **限制用途的原因：**无相关信息

- 1.3 安全技术/数据说明书供应商的详细信息
- **生产商/供应商：**

江苏易初锆铪新材料有限公司
江苏省新沂市经济开发区新戴路 10 号
邮编：224100
电话：13852225217
邮箱：171201362@qq.com
全国联系人：周勇

- **仅代表/其他欧盟联系人：**

无可用信息。

- 1.4 紧急事件联系电话号码

紧急联系电话：13852225217（24 小时可用，提供中文服务）

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第二部分：危险性鉴定

- 2.1 物质或者混合物危险性类别
- 2.1.1 根据欧共体（EC）第 1272/2008 号条例分类：该产品未根据 CLP 法规进行分类。

欧共体（EC）第 1272/2008［CLP］	分类方法
不适用	不适用

- 2.2 标签内容
- 按Regulation（EC）No 1272/2008标签标记：该产品未根据 CLP 法规进行标记。
- 象形图：不适用
- 警示词：不适用
- 危险性说明：不适用
- 防范说明：不适用
- 补充标签元素：不适用

- 2.3 其他危险信息：

物质不符合附件 XIII 的 PBT/vPvB 标准。
根据法规（EU）2017/2100，该物质未被认定为具有内分泌干扰特性。

第三部分：成分/组成信息

- 3.1 物质

物质名称	CAS No.	EC No.	Index No	w/w, %	SCL/ M-factor/ ATE
ZrO_2	1314-23-4	215-227-2	-	98.5-100	-

第四部分：急救措施

- 4.1 急救措施描述

通常的意见：如果感到不适，请就医。
吸入后：供应新鲜空气。如果感到不适，请就医。
皮肤接触后：用水冲洗。 如果有刺激或其他症状的迹象，请就医。
眼睛接触后：小心用水冲洗几分钟。如果发生眼睛刺激：请就医。
吞入后：漱口。如果您感到不适，请致电中毒中心/医生。
急救人员的自我保护：戴一次性无乳胶手套。

- 4.2 急性和迟发性的最主要症状和健康影响：急性和延迟效应如第2节和第11节所示。
- 4.3 任何紧急状况下的医疗注意事项和必须的特殊处理指示：根据症状治疗，目前尚无特效药。

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第五部分：消防措施

- 5.1 灭火剂
- **适当的灭火剂：**

该产品不易燃。 使用适合当地情况和周围环境的灭火措施。

- **不适当的灭火剂：**

没有已知的不合适的灭火介质。

- 5.2 物质或者混合物所产生的特别危害：
- **危险燃烧产物：**

氧化锆
不可燃。
环境火灾可能释放出危险蒸汽。

- 5.3 给消防人员的资料
- **防护装备：**消防时应佩戴自给式呼吸器。

第六部分：泄漏事故应急处理方法

- 6.1 操作人员的防护措施、保护设备和应急处理程序：
- 6.1.1 对于非紧急工作人员

防护设备：呼吸防护。

应急操作程序：

确保通风良好。

避免吸入灰尘。

- 6.1.2 对于紧急工作人员

个人防护装备：呼吸防护。

- 6.2 环境保护措施：

在安全的情况下，防止进一步泄漏或溢出；防止溢出物进入下水道、下水道、地下室或密闭区域；如果泄漏物污染了河流、湖泊或排水沟，请通知有关当局。

- 6.3 泄漏化学品的收容、清理方法以及使用的处理材料：
- 6.3.1用于收容：

捆绑、覆盖排水沟。

- 6.3.2用于清理：

使用任何可行的机械手段（如真空、清扫），但在清理过程中避免扬尘。
确保通风良好。

- 6.3.3其他信息：

根据第 13 节将受污染的材料作为废物处理。

- 6.4 参照其他部分：

安全操作信息见第7部分；个人防护装备信息见第8部分；弃置的信息见第13部分。

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第七部分：操作处理与储存

- **7.1 安全操作处理注意事项：**
- **保护措施：**

通常不需要采取特殊的安全处理预防措施。

- **防火措施：**

常规防火措施。

- **防止气溶胶和粉尘产生的措施：**

确保工作场所通风良好。

- **保护环境的措施：**

避免溢出或远离排水管。

- **一般职业卫生建议：**

佩戴呼吸防护装置。

- **7.2 安全储存的条件，包括任何不相容的条件**
- **储存室和容器需满足的要求：**

请存放在阴凉通风处。

- **包装材料：**

无特定材料。

- **储藏室和容器要求：**

无其他要求。

- **贮存类别：**

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- **储存条件的进一步信息：**

无其他要求。

- **7.3 特定的最终用途：**

见1.2部分。

- **针对工业部门的解决方案：**

无其他要求。

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第八部分：控制接触和个体防护

- **在工作场所要求监控的成分限量值：**该产品不包含任何必须在工作场所进行监测的具有临界值的相关数量的材料。
- **DNEL衍生无效水平：**没有可用数据
- **PNECs预期无效水平：**没有可用数据
- **额外的资料：**制作期间有效的清单将作为基础来使用。

- 8.2 控制接触
- **基于第三部分的成分，建议如下职业安全措施**
- **一般的防护和卫生措施：**

按照良好的工业卫生和安全规范进行处理；休息前和工作结束时洗手和洗脸。有关技术设施设计的信息，请参见第 7 节。

- **个人防护设备：**
- **眼睛/面部防护：**

在正常使用条件下不需要。

- **皮肤防护**
- **手部防护：**

在正常使用条件下不需要。

- **其他皮肤防护：**

在正常使用条件下不需要。

- **呼吸系统防护：**

建议使用合适的呼吸设备。

- **热危害：**

在正常使用条件下不需要。

- **环境暴露控制：**

必须根据共同体环境保护立法制定控制措施。

第九部分：理化特性

- 9.1 一般资料信息：

• 物理形态	粉末
• 颜色	白色
• 气味/气味阈值	无味
• 熔点/凝固点	熔点/范围：>2.600° C
• 沸点/沸腾范围	4.300 ° C 在 1.013 hPa
• 可燃性	不易燃粉末
• 爆炸极限的下限和上限	不适用
• 闪点	不适用
• 燃点温度	不适用
• 分解温度	没有测定
• pH	没有测定
• 运动黏度(mm^2/s)	不适用
• 溶解性	0,00006 g/l 在 20 ° C
• 分配系数（正辛醇/水）（Log值）	不适用

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• 蒸汽压力	不适用
• 密度/相对密度	5,850 g/cm^3
• 相对蒸气密度	不适用
• 颗粒属性	没有测定
• 9.2 其他信息	
• 9.2.1关于物理危害类别的信息：	
• 爆炸物	不适用
• 易燃气体	不适用
• 气溶胶	不适用
• 氧化性气体	不适用
• 加压气体	不适用
• 易燃液体	没有测定
• 易燃固体	不适用
• 自反应物质/混合物	不适用
• 自燃液体	不适用
• 自燃固体	不适用
• 自热物质/混合物	不适用
• 遇水放出易燃气体的物质和混合物	不适用
• 氧化性液体	不适用
• 氧化性固体	不适用
• 有机过氧化物	不适用
• 金属腐蚀物	不适用
• 褪敏爆炸物	不适用
• 9.2.2 其他安全特性：	
• 力学灵敏度	不适用
• 自加速聚合温度	不适用
• 爆炸性粉尘/空气混合物的形成	不适用
• 酸/碱缓冲度	不适用
• 蒸发速率	不适用
• 溶混性	不适用
• 导电性	不适用
• 腐蚀性	不适用
• 气体组	不适用
• 氧化还原电位	不适用
• 辐射形成的强能	不适用
• 光催化性能	不适用
• 其他理化参数	没有测定

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第十部分：稳定性和反应性

- 10.1 **反应性：**该产品在正常使用、储存和运输条件下是无反应的。
- 10.2 **化学稳定性：**在正常环境温度下储存时，产品是稳定的。
- 10.3 **危险反应的可能性：**没有可知的危险反应。
- 10.4 **避免的条件：**高湿度。
- 10.5 **不相容的物质：**强氧化剂和酸。
- 10.6 **危险的分解产物：**用于预期用途时不会分解。

第十一部分：毒理学信息

11.1 毒理效应信息

- **急性毒性：**暂没有数据证明该产品是急性有毒物。
- **皮肤腐蚀/刺激：**暂没有数据证明该产品会导致皮肤刺激。
- **严重的眼睛损伤/刺激：**暂没有数据证明该产品造成严重的眼睛刺激。
- **呼吸或皮肤致敏：**暂没有数据证明该产品可能造成呼吸或皮肤致敏。
- **生殖细胞突变性：**暂没有数据证明该产品可能造成遗传性缺陷。
- **致癌性：**暂没有数据证明该产品可能致癌。
- **生殖毒性：**暂没有数据证明该产品有生殖毒性。
- **特异性靶器官系统毒性——一次接触：**暂没有数据证明该产品有造成昏昏欲睡或眩晕。
- **特异性靶器官系统毒性—反复接触：**暂没有数据证明该产品有反复接触特异性靶器官系统毒性。
- **吸入危险：**暂没有数据证明该产品有吸入危险。

11.2 其他危险的资料

11.2.1 内分泌干扰特性：

该物质不被认为对人类具有内分泌干扰特性，因为它符合法规 (EU) No 2017/2100 A 部分规定的标准。

11.2.2 其他资料：

无已知的其他有关不良健康影响的相关信息。

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第十二部分：生态资料

- 12.1 **毒性：**没有可用数据。
- 12.2 **持久性和降解性：**没有可用数据。
- 12.3 **潜在的生物积累性：**没有可用数据。
- 12.4 **在土壤系统中的运动状况：**没有可用数据。
- 12.5 **PBT(残留性、生物浓缩性、毒性物质)及vPvB(高残留性、高生物浓缩性物质)评价结果：**

根据其评估结果，该物质不是 PBT 或 vPvB。

- 12.6 **内分泌干扰特性：**

该物质对非目标生物体不具有内分泌干扰特性，因为它不符合法规 (EU) No 2017/2100 的 B 部分规定的标准。

- 12.7 **其他副作用：**无已知的其他不良反应。
- 12.8 **附件生态信息**

• **通常的要点：**WGK1（自我评估）：对水的危害低。

不要让大量产品进入地下水、水道或污水系统。

第十三部分：废弃处理

- 13.1 **废弃处理方法**
- **推荐：**少量可以与生活垃圾一起处理；大量处置必须符合当地/地区/国家/国际法规。
- 13.2 **未清理的包装**
- **推荐：**依据当地的/区域的/国家的/国际的法规来废弃处理容器。

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第十四部分：运输信息

• 14.1 联合国危险货物编号（UN号）	
ADR/ADN/RID (2025 Edition)	不适用/不受监管，本产品不受ADR/ADN/RID的约束。
IMO/IMDG (42-24)	不适用/不受监管，本产品不受IMO/IMDG的约束。
IATA-DGR (67th)	不适用/不受监管，本产品不受IATA-DGR 约束。
• 14.2 UN适当装船名	
ADR/ADN/RID (2025 Edition)	不适用/不受监管
IMO/IMDG (42-24)	不适用/不受监管
IATA-DGR (67th)	不适用/不受监管
• 14.3 运输危险等级	
ADR/ADN/RID (2025 Edition)	不适用/不受监管
IMO/IMDG (42-24)	不适用/不受监管
IATA-DGR (67th)	不适用/不受监管
• 14.4 包装组	
ADR/ADN/RID (2025 Edition)	不适用/不受监管
IMO/IMDG (42-24)	不适用/不受监管
IATA-DGR (67th)	不适用/不受监管
• 14.5 环境危害	
环境危害（ADR/ADN/RID）	否
海洋污染物(是/否)	否
特殊标记（ADR/ADN/RID）	否
• 14.6 使用时特别的预防 危险代码(Kemler) EMS 编号	不适用/不受监管 不适用/不受监管 不适用/不受监管
• 14.7 MARPOL73/78 附件书2及根据IBC Code（国际装船货物编码）的大量运送	不适用/不受监管

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第十五部分：法规信息

- 15.1 对化学品专用的安全、健康和环境的法律法规
- MAK (German Maximum Workplace Concentration)：没有列出物质。
- 指令2012/18/EU
- 危险物质命名-附件-I：没有列出物质。
- Seveso分类：不适用
- 最低要求应用合格数量（吨）：不适用
- 最高要求应用合格数量（吨）：不适用
- 国家的规章
- 水危险级别：WGK1（自我评估）：对水的危害低。
- 其它法规，限制和禁止性法规
- REACH法规附录十四中供授权审议的高关注物质候选清单：没有列出物质。
- REACH法规附录十七中限制物质清单：没有列出物质。
- REACH法规附录十四授权物质清单：没有列出物质。
- 15.2 化学安全性评估：尚未进行化学品安全评估。

第十六部分：其他信息

- 16.1 变化说明：

不适用

- 16.2 缩写和首个字母缩写：

ADR：欧洲有关危险品陆运国际运输协议
IMDG：国际海运危险货物
IATA：国际航空运输协会
CAS：化学文摘服务（美国化学学会）
DNEL：衍生无影响程度（REACH）
PNEC：预期无影响浓度(REACH)
PBT：持久性,生物蓄积性和毒性
vPvB：非常持久并且非常生物累积
SVHC：非常高度关注的物质
LD50：半数死亡剂量
LC50：半数死亡浓度
EC50：最大效果浓度，百分之五十
NOEC：未观察到效应浓度

- 16.3 主要文献、参考文献和数据来源：

https://echa.europa.eu/
https://chem.nlm.nih.gov/
https://www.osha.gov/
http://www.unece.org/
http://www.imo.org/
https://www.dguv.de/
https://epa.govt.nz/

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http://www.ilo.org/
https://www.phmsa.dot.gov/

- **16.4 根据法规(EC) 1207/2008 [CLP]对混合物的分类和使用的评价方法：**

见2.1部分（分类）。

- **16.5 相关H和EUH短语（编号和全文）：**

无

- **16.6 培训意见：**

必须对工人进行有关该化学品安全工作程序的一般和具体方面的培训。 工人需要易于理解的指南和说明才能安全使用这种化学品。 需要以易于理解的语言为工人提供说明、指南和法律要求的文件。

- **16.7 更多信息：**

本化学品安全技术说明书的内容和格式根据欧共体的法规1907/2006、2020/878以及1272/2008来编写。
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