报告编号(No.)：EXP-2026090903

化学品安全技术说明书

Material Safety Data Sheet

样品名称：珍珠岩

Samples Name：Perlite

型号：/

Model：/

批号：/

Item Number：/

委托单位：正山新材料（淄博）有限公司

Applicant：Zhengshan New Materials (Zibo) Co., Ltd

委托单位地址：山东省淄博市经开区傅家镇殷家村

Applicant Address：Yinjia Village, Fujia Town, Economic Development Zone, Zibo City, Shandong Province, China

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Zhengshan New Materials | For reference only

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第一项：化学品及企业标识

Section 1 - Chemical Product and Company Identification

化学品名称 Chemical Name	珍珠岩 Perlite		
生产企业名称 Manufacturer	正山新材料（淄博）有限公司 Zhengshan New Materials (Zibo) Co., Ltd		
生产企业地址 Manufacturer Address	山东省淄博市经开区傅家镇殷家村 Yinjia Village, Fujia Town, Economic Development Zone, Zibo City, Shandong Province, China		
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电子邮件地址 Email	/		

第二项：危险性概述

Section 2 - Hazards summarizing

危险性类别 Hazards category	不适用 Not applicable	
危险性说明 Hazard description	不适用 Not applicable	
GHS标签要素 (象形图/警示语) GHS label elements (pictograms/warnings)	不适用 Not applicable	不适用 Not applicable
防范说明 Prevention instructions	不适用 Not applicable	
健康危害 Health hazards	无数据 No data	
环境危害 Environment hazards	无数据 No data	
其他危害 Other hazards	无数据 No data	

第三项：成分/组成信息

Section 3 –Composition/Information on Ingredient

化学成分Composition：物质substance（）；混合物mixture（√）

化学名称 Chemical Name	成分比(%) Composition (in% by weight)	化学式 Chemical formula	CAS号 CAS No.	EC号 EC No.
三氧化二铝 Aluminum oxide	13.61	Al_2O_3	1344-28-1	/
二氧化硅 Silicon dioxide	74.78	SiO_2	7631-86-9	/
三氧化二铁 Ferric oxide	0.73	Fe_2O_3	1309-37-1	/
氧化钙 Calcium oxide	0.82	CaO	305-78-8	/
氧化镁 Magnesium oxide	0.62	MgO	1309-48-4	/
氧化钾 Potassium oxide	4.73	K_2O	12030-75-6	/
氧化钠 Sodium oxide	2.58	Na_2O	1344-28-1	/
二氧化钛 Titanium dioxide	0.09	TiO_2	13463-67-7	/
氧化锶 Strontium oxide	<0.01	SrO	1314-11-0	/
氧化钡 Barium oxide	<0.01	BaO	1314-11-0	/
二氧化锆 Zirconium dioxide	<0.01	ZrO_2	1314-23-4	/
氧化铷 Rubidium oxide	0.04	Rb_2O	18088-11-4	/
氧化锂 Lithium oxide	<0.01	Li_2O	12057-24-8	/
氧化铅 Lead oxide	<0.01	PbO	1317-36-8	/
氧化锌 Zinc oxide	<0.01	ZnO	1314-13-2	/
氧化锰 Manganese oxide	0.04	MnO	1344-43-0	/
氧化钴 Cobalt oxide	<0.01	CoO	1307-96-6	/

氧化镍 Nickel oxide	<0.01	NiO	1313-99-1	/
氧化铜 Copper oxide	<0.01	CuO	1317-38-0	/
三氧化二铬 Chromium sesquioxide	<0.01	Cr_2O_3	1308-38-9	/
五氧化二磷 Phosphorus pentoxide	<0.01	P_2O_5	7446-09-5	/
灼减 Burn-off	1.93	SiO_2	1314-56-3	/
二氧化硫 Sulfur dioxide	<0.01	SO_2	7446-09-5	/

第四项：急救措施

Section 4 - First Aid Measures

皮肤接触 Skin touch	脱去污染的衣着，用肥皂和大量的水冲洗。如不适，请就医。 Remove contaminated clothing and rinse with soap and plenty of water. If you feel unwell, please seek medical attention.
眼睛接触 Eyes touch	立即翻开上下眼睑，用流动清水冲洗。如不适，请就医。 Immediately open the upper and lower eyelids, rinse with flowing water. If you feel unwell, please seek medical attention.
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 Move the patient to fresh air. If breathing stops, administer artificial respiration. Seek medical attention immediately.
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。 Do not feed anything from the mouth to an unconscious person. Rinse your mouth with water. Consult a doctor.

第五项：消防措施

Section 5 - Fire Fighting Measures Danger

特别危险性 Especially dangerous	无数据 No data
灭火方法及灭火剂 Fire-Fighting method & media	消防人员须穿全身消防服，佩戴空气呼吸器，在上风向灭火。尽可能将容器从火场移至空旷处。喷水保持火场容器冷却，直至灭火结束。。用水雾，耐醇泡沫，干粉或二氧化碳灭火。 Firefighters must wear full body firefighting suits, air respirators, and extinguish fires in the upwind direction. Try to move the container from the fire scene to an open area as much as possible. Spray water to keep the fire container cool until the fire is extinguished.. Use water mist, alcohol

	resistant foam, dry powder or carbon dioxide to extinguish the fire.

第六项：泄漏应急处理

Section 6 –Accidental Release Measures

应急处理 Emergency treatment	使用个人防护设备。防止吸入粉末。保证充分的通风。 Use personal protective equipment. Prevent inhalation of powder. Ensure sufficient ventilation.
小量泄漏 Small leakage	扫掉和铲掉。放入合适容器中待处理，禁止倒入下水道。 Sweep and shovel away. Place in a suitable container for disposal and do not pour into the sewer.
大量泄漏 Massive leakage	用塑料布、帆布覆盖，减少飞散。回收或运至废物处理场所处置。 Cover with plastic sheeting or canvas to reduce scattering.Recycle or transport to a waste disposal site for disposal.

第七项：操作处置和储存

Section 7 - Handling and Storage

操作注意事项 Handling	防止粉尘生成。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 dust generation. Avoid exposure: Special guidance is required before use. Provide suitable exhaust equipment in areas where dust is generated.
储存注意事项 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：接触控制和个体防护

Section 8 - Exposure Controls, Personal Protection

工程控制 Engineering control	常温常压下非常稳定，不需要特别的管理措施。作业场所需安装通风装置。 It is very stable at room temperature and pressure, and does not require special management measures. Ventilation devices need to be installed in the workplace.
呼吸系统防护 Respiratory protection	戴防尘口罩，如果空气中浓度超标时，佩戴过滤式防毒面罩。紧急事态抢救或是撤离时，应当佩戴携器式呼吸器。 Wear a dust mask, and if the concentration in the air exceeds the standard, wear a filtered gas mask. When rescuing or evacuating in an emergency, one should wear a portable respirator.

手防护 **Hand protection**	戴防护手套 Wear protective gloves
眼睛防护 **Eye protection**	一般不需要特殊防护 Generally, no special protection is required
皮肤和身体防护 **Body protection**	穿一般工作服 Wear general work clothes
其他防护 **Other protection**	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

外观 **Exterior**	固体 Solid		
颜色 **Colour**	白色 White	**气味** **Odor**	无味 Tasteless
密度 **Density**	无数据 No data	**沸点** **Boiling point**	无数据 No data
熔点 **Melting point**	无数据 No data	**闪点** **Flash point**	无数据 No data
气压 **Air pressure**	无数据 No data	**水溶性** **Water soluble**	无数据 No data
分配系数(正辛醇\水) **Partition coefficient (N-octanol--water)**	无数据 No data	**粘度** **Viscosity**	无数据 No data
pH值 **pH value**	6.5-7.5	**溶剂吸入许可量** **Permissible amount of solvent intake**	无数据 No data
溶解性 **Solubility**	无数据 No data	**耐火温度** **Fire resistance temperature**	无数据 No data

第十项：稳定性和反应性

Section 10 - Stability and Reactivity

稳定性 **Stability**	常态下稳定。 Stable under normal conditions.
禁配物 **Incompatible materials**	强氧化物，强酸，强碱 Strong oxides, strong acids, strong bases

避免接触的条件 Conditions to avoid	热源，火源，潮湿 Heat source,fire source,damp
危险反应 Hazardous reactions	无数据 No data
分解产物 Decomposition products	正常情况下使用，无有害物质产生。 Under normal conditions, no harmful substances are produced.

第十一项：毒理学信息

Section 11 - Toxicological Information

急性毒性. Acute toxicity	无数据 No data
亚急性毒性和慢性毒性 Subacute and chronic toxicity	无数据 No data
刺激性 Irritating	无数据 No data
致敏性 Sensitization	无数据 No data
致突变性 Mutagenicity	无数据 No data
致癌性 Carcinogenicity	无数据 No data
其他 Other	无数据 No data

第十二项：生态学信息

Section 12 - Ecological Information

生态毒性 Ecotoxicity	无已知重大影响或严重危害。 There is no known significant impact or serious hazard.
生物降解性 Biodegradability	无数据 No data
非生物降解性 Non-biodegradability	无数据 No data
生物毒性或生物积累性 Biological toxicity or bioaccumulation	无数据 No data
其他有害作用 Other harmful effects	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 Nature of waste	无数据 No data
废弃处置方法 Disposal methods	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 Disposal considerations	应参阅国家和地方有关法规。 Please refer to relevant national and local regulations.

第十四项：运输信息

Section 14 - Transport Information

危险货物编号 Dangerous goods No.	无数据 No data
UN编号 UN No.	无数据 No data
包装标志 Packaging logo	无数据 No data
包装方法 Wrapping method	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 Transportation considerations	严禁与氧化剂、食用化学品等混装混运。装运该物品的车辆排气管必须配备阻火装置。使用槽(罐)车运输时应有接地链，槽内可设孔隔板以减少震荡产生静电。禁止使用易产生火花的机械设备和工具装卸。夏季最好早晚运输。运输途中应防暴晒、雨淋，防高温。中途停留时应远离火种、热源、高温区。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。严禁用木船、水泥船散装运输。运输工具上应根据相关运输要求张贴危险标志、公告。 It is strictly prohibited to mix and transport with oxidants, edible chemicals, etc. The exhaust pipe of the vehicle carrying this item must be equipped with a flame retardant device. When using tank trucks for transportation, there should be a grounding chain, and holes and partitions can be installed inside the tank to reduce vibration and generate static electricity. It is prohibited to use mechanical equipment and tools that are prone to sparks for loading and unloading.It is best to transport in the morning and evening in summer. During transportation, it is necessary to prevent exposure to sunlight, rain, and high temperatures. When stopping midway, one should stay away from sparks, heat sources, and high temperature areas. 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. It is strictly prohibited to transport in bulk using wooden or cement boats. Danger signs and notices should be posted on transportation vehicles according to relevant transportation requirements.

第十五项：法规信息

Section 15 - Regulatory Information

法规信息 **Regulatory Information**	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 67 版《危险品规则》(2026 年版)； 《海运危险货物规则》 (Amdt. 42-24) (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 67 Dangerous Goods Rules (2026 Edition) Marine Dangerous Goods Rules (Amdt. 42-24) (2024 edition);

第十六项：其他信息

Section 16 - Additional Information

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