

钠钙玻璃模制瓶安全数据报告(MSDS)

Material Safety Data Sheet for Molded Glass Bottle Made of Soda-Lime Glass

1、产品/企业

Products/company

1.1 产品名称: 钠钙玻璃模制注射剂瓶

Product name: Molded Glass Bottle Made of Soda-Lime Glass

1.2 生产商/供应商

Manufacturer/supplier

公司名称: 山东省药用玻璃股份有限公司

ISO 15378:2017 certificated company

2、产品组分 Ingredients

二氧化硅	SiO ₂	72±4%
三氧化铝	Al ₂ O ₃	2±2%
氧化铝	CaO	9±3%
氧化镁	MgO	2±2%
氧化钾+氧化钠	K ₂ O+Na ₂ O	14±3%
三氧化二铁	Fe ₂ O ₃	0.3±0.25%

3、急救措施: 无

First Aid Measures: None

4、救火措施: 无

Fire fighting measures: None

5、事故处理措施: 无

Accident handling measurement: None

6、使用和储存:

Usage and storage:

6.1 使用: 用于直接与药品或其它制剂接触的玻璃容器。

Usage: Be used to the glass container that contact directly with medicine or other preparation.

6.2 储存: 干燥、通风、无化学污染物的库房内。堆码箱数不得超过 8 层。

Storage: in warehouse that is dry, ventilating, and free from chemical pollution. The height should be no more than 8 layers.

贮存温度: 应在 30℃ 以下。

Storage temperature: below 30℃.

7、使用控制/个人防护

Use control/ personal safeguard

7.1 使用控制: 应防止堆码不当, 避免强阳光照射和雨雪浸淋, 防止与酸、碱物质接触, 防止外包装破损。

Use control: avoid incorporate stack, direct sunshine or been caught in rain, free from acid, alkali substances, prevent the outer package from damaged.

7.2 个人防护: 轻拿轻放。

Personal safeguard: handle with care

8、物理和化学性质:

Physical and chemical properties:

8.1 外观：表面无碰伤，无污点等其他不允许的瑕疵。

Appearance: No damage on the surface, no spot and other unacceptable defects.

8.2 尺寸：符合图纸。

Conform to the drawings.

8.3 内表面耐水性：符合 USP TYPE III

Hydrolytic Resistance of Inner Surface:Complies with USP TYPE III

8.4 热冲击：42°C 温差，20 只样本中 1 只破例也不允许有。

Thermal Shock Resistance: Temperature difference of 42°C, sampling 20pcs for test, no samples broken.

8.5 内压力 6 bar 压力下 20 只样本中 1 只破裂也不允许有。

Internal Pressure Resistance: Withstand the pressure of 6 bar, sampling 20pcs for test, no samples broken.

8.6 残余应力：每毫米玻璃厚度不超过 40nm, 13 只样本中 1 只也不允许有。

Residual Stress: Not exceed 40nm per millimeter of glass thickness, sampling 13pcs for test, no samples exceed standard.

8.7 重金属砷的含量：不超过 0.1ppm

Extractable As: Not more than 0.1ppm

9、稳定性 Stability

在一般情况下，该产品比较稳定，但需避免的情况：

Under normal circumstances, the product is relatively stable, but need to avoid the below situation

1) 不应发生严重碰撞与磨擦。

Avoid collision and friction

2) 应防止堆码不当。

Prevent improper stacking

3) 避免强阳光照射和雨雪浸淋。

Avoid strong sunlight and rain and snow

4) 防止与酸、碱物质接触。

Avoid contacting with acid, alkali substance exposure

5) 防止外包装破损。

Avoid packaging damage

6) 应在 30°C 以下贮存。

Should be stored at below 30 °C

10、生态学资料：无

Ecological Information: None

11、处理注意事项：

Handling Precautions

11.1 产品

Products

垃圾的处理是由 EC 成员用通过项类似的法规和规则规定的。我们建议您与主管的专家或是认可的垃圾处理公司联系，他们会给予您关于怎样处理该产品废弃物的建议。

Waste disposal is used by key members of the EC regulations and rules similar provisions. We recommend that you contact waste disposal experts, they will give you recommendations on how to deal with the waste product

11.2 包装：

Packaging

以官方规定适当处理。以和物质一样的方法处理污染的包装，如果不是与官方的特别不同的，非污染的包装可以和家用或是低环保垃圾一样处理。

Handle it according to official regulations. Use the same method and material to handle contaminated package. if not particularly different, non-contaminated package can be treated with the same method with household or low environmental waste treatment

12、运输资料。Transport Information

应防止堆码不当，避免强阳光照射和雨雪浸淋，防止与酸、碱物质接触，防止外包装破损。

Prevent the improper stacking, to avoid strong sunlight and rain and snow, prevent acid, alkali exposure to the substance, prevent packaging damage

13、规则资料: 无

Rule information: None

14、其他信息: 更新信息。

Other information: Update information