

天津市迈冠能源有限公司
Tianjin Maiguan Energy Co., Ltd

依据联合国 GHS 制度第八修订版编/According to UN GHS (the 8th revised edition)

材料安全数据表

Material Safety Data Sheet

产品名称:	蓝色高温润滑脂
Product Name:	High-Tem Grease (Blue)

编制/Written by: Linda
(Linda)

审核/Inspected by: Jose
(Jose)



批准/Approved by

发布：中科检测认证服务（深圳）有限公司

ISSUED BY: ZHONGKE SERVICES OF TESTING (SHENZHEN) CO., LTD.

2020 年 11 月 印制 Nov. 2020 PRINT

材料安全数据表 Material Safety Data Sheet

产品名称: 蓝色高温润滑脂

修订日期: 2020年11月02日

项目编号/Item No.: 20A310A083

版本: 1.0

Product Name: High-Tem Grease (Blue)

Revision Date: Nov. 02, 2020

MSDS No.: NMS.201.102.001.HSL

Version: 1.0

1

化学品及企业标识

Product and Company Identification

产品标识/Product identification

产品名称:	蓝色高温润滑脂
Product Name:	High-Tem Grease (Blue)
型号:	/
Model No.:	/
CAS No.:	不适用/Not applicable
EC No.:	不适用/Not applicable
分子式:	不适用
Molecular formula:	Not applicable

物质或混合物的相关用途标识及限制用途

Relevant identified uses of the substance or mixture and uses advised against

推荐用途:	机械润滑
Identified uses:	Mechanical lubrication
限制用途:	无特别说明
Uses advised against:	No special note

申请商、供应商的详细信息/Details of the applicant, supplier

企业名称:	天津市迈冠能源有限公司
Company name:	Tianjin Maiguan Energy Co., Ltd
地址:	天津市津南区长庆科技产业园上海街18号C区5A0327
Address:	5A0327, Zone C, No. 18 Shanghai Street, Changqing Science and Industry Park, Jinnan District, Tianjin City
邮编:	300350
Post code:	300350
电话号码:	+86 18331963266
Telephone:	+86 18331963266

Page 1 of 21

RAND: 211585



SIGNATURE: ZHONGKE SERVICES OF TESTING (SHENZHEN) CO., LTD.

This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.

| Tel: 400-8118-330 |

E-mail: service@zks-test.com |

Website: <http://www.zks-test.com> |

材料安全数据表 Material Safety Data Sheet

产品名称: 蓝色高温润滑脂 Product Name: High-Tem Grease (Blue)	修订日期: 2020 年 11 月 02 日 Revision Date: Nov. 02, 2020	项目编号/Item No.: 20A310A083 MSDS No.: NMS.201.102.001.HSL	版本: 1.0 Version: 1.0
---	--	--	-------------------------

传真号码: Fax:	/
电子邮箱: E-mail:	admin@tjmaiguan.com

1 企业应急电话/Emergency telephone number

企业应急电话: Emergency telephone:	+86 13931952988
---------------------------------	-----------------

2 危险性概述 Hazard Description

1	依据联合国 GHS 制度第八修订版规定, 该产品所属危险性类别及标签要素如下: Hazard class and label elements of the product according to According to UN GHS (the 8 th revised edition):
---	---

1 GHS 危险性类别/GHS Hazard class

	非危险物质或混合物/Non-hazardous substance or mixture
--	--

1 GHS 标签要素/GHS label elements

象形图: Pictogram(s):	无 None
信号词: Signal word:	不适用 Not applicable

1 危险性说明/Hazard statements

	不适用/Not applicable
--	--------------------

1 其他危害/Other Hazards

	无/None
--	--------

1 危害描述/Hazard description

◆ 物理和化学危害/Physical and chemical hazards



This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.

材料安全数据表 Material Safety Data Sheet

产品名称: 蓝色高温润滑脂

修订日期: 2020年11月02日

项目编号/Item No.: 20A310A083

版本: 1.0

Product Name: High-Tem Grease (Blue)

Revision Date: Nov. 02, 2020

MSDS No.: NMS.201.102.001.HSL

Version: 1.0

不易燃, 无特殊燃爆特性。

Non-flammable, no special explosive characteristics.

◆ 健康危害/Health hazards

无/None

◆ 环境危害/Environmental hazards

无/None

3

成分/组成信息

Composition/Ingredient Data

物质/Material

混合物/Mixture

成分/Component(s)	含量/Content, %	CAS No.
矿物油/Mineral oil	70.0-80.0	8020-83-5
二氧化硅/Silicon dioxide	20.0-30.0	112945-52-5
聚四氟乙烯/Poly(tetrafluoroethylene)	1.0-9.0	9002-84-0
氧化聚乙烯/Poly(ethylene glycol)	0.1-0.9	25322-68-3

4

急救措施

First Aid Measures

急救措施描述/Description of first aid measures

一般性建议:	将材料安全数据表出示给到达现场的医生。 在接受急救措施后, 必要时送往医院治疗。
General advice:	Show this material safety data sheet to the doctor in attendance. After receiving the first-aid measure required, consult a physician if necessary.
皮肤接触:	脱掉被污染的衣服和鞋子。 用温和的肥皂和大量的水洗掉。 如果刺激症状发生或持续发展, 就医。
Skin contact:	Remove contaminated clothing and shoes. Wash off with mild soap and plenty of water.



SIGNATURE: ZHONGKE SERVICES OF TESTING (SHENZHEN) CO., LTD.

Page 3 of 21

RAND: 211585

This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.

| Tel: 400-8118-330 |

E-mail: service@zks-test.com |

Website: <http://www.zks-test.com> |

材料安全数据表

Material Safety Data Sheet

产品名称: 蓝色高温润滑脂	修订日期: 2020 年 11 月 02 日	项目编号/Item No.: 20A310A083	版本: 1.0
Product Name: High-Tem Grease (Blue)	Revision Date: Nov. 02, 2020	MSDS No.: NMS.201.102.001.HSL	Version: 1.0

	If skin irritation occurs or persists, consult a physician immediately.
眼睛接触:	<p>检查并摘除任何隐形眼镜, 偶尔提起上下眼睑, 立即用清水冲洗眼睛, 直到残留物清除为止。</p> <p>提供一种方便洗眼设备和快速安全淋浴, 不要用手揉眼睛。</p> <p>如果刺激症状发生或持续发展, 就医。</p>
Eyes contact:	<p>Check for and remove any contact lenses, Occasionally lifting the upper and lower eyelids. Immediately flush eyes with running water, disappear until the chemical residues so far.</p> <p>Provide a readily-accessible eyewash facility and quick-drench safety shower. Do not rubbing eyes with hand.</p> <p>If eye irritation occurs or persists, consult a physician immediately.</p>
吸入:	<p>将受害者移到新鲜空气处, 在呼吸舒适的地方保持休息。</p> <p>如呼吸困难, 由受过培训的人员进行吸氧。</p> <p>如果症状持续或者严重影响健康, 应立即就医。</p>
Inhalation:	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>If breathing is irregular, provide artificial respiration or oxygen by trained personnel.</p> <p>Get medical attention if adverse health effects persist or are severe.</p>
食入:	<p>用水漱口。</p> <p>如果材料被吞食和患者是有意识的, 喝少量的水。</p> <p>如果患者感觉不舒服并呕吐, 给水可能是危险的。</p> <p>除非有医务人员的指导, 不要诱导呕吐。</p> <p>如果发生呕吐, 头部应保持低位, 使呕吐物不能进入肺部。</p> <p>如果不利健康的影响持续或严重的话, 就医, 切勿向失去意识的患者口喂任何食物。</p>
Ingestion:	<p>Wash out mouth with water.</p> <p>If material has been swallowed and the exposed person is conscious, give small quantities of water to drink.</p> <p>Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel.</p> <p>If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.</p> <p>Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person.</p>



This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.

材料安全数据表

Material Safety Data Sheet

产品名称: 蓝色高温润滑脂	修订日期: 2020 年 11 月 02 日	项目编号/Item No.: 20A310A083	版本: 1.0
Product Name: High-Tem Grease (Blue)	Revision Date: Nov. 02, 2020	MSDS No.: NMS.201.102.001.HSL	Version: 1.0

主要症状和影响, 急性和慢性影响/Most important acute and delayed symptoms/effects

1	最重要的已知的症状和影响如第 2 部分和/或第 11 部分。 The most important known symptoms and effects are described in section 2 and/or in section 11.
---	--

紧急医疗处理和特殊处理的说明/Immediate/special treatment

1	继续采取急救措施, 根据出现的症状进行针对性处理。 Continue with first aid measures. Treat symptomatically and supportively.
2	注意症状可能会出现延迟。 Symptoms may be delayed.

5 消防措施

Firefighting Measures

灭火介质/Extinguishing agent

合适的灭火介质:	用干的砂子、干燥化学物或 CO ₂ 泡沫灭火。 可以使用水喷雾冷却暴露于火的容器/材料。 使用最适合周围火势的灭火媒介。
Suitable extinguishing agents:	Use dry sand, dry chemical or CO ₂ foam extinguishing. Water spray can be used to cool fire exposed containers/materials. Use extinguishing media most appropriate for the surrounding fire.
不合适的灭火介质:	避免用太强烈的水汽灭火, 因为它可能会使火苗蔓延分散。
Unsuitable extinguishing agents:	Do not use a solid water stream as it may scatter or spread fire.

源于此物质或混合物的特别危害/Special hazards arising from the substance or mixture

1	如暴露在火灾中可能会产生: 碳氧化物、硅氧化物。 If this product is involved in a fire, the following can be released: Carbon oxides, silicon oxides.
---	--

灭火注意事项及措施/Fire precautions and measures

1	消防人员必须戴正压式呼吸器, 穿全身的消防服, 在上风向灭火。 Firefighters must wear self-contained breathing apparatus, wear full body fire suit, fire extinguishing in the upwind.
2	尽可能将容器/内装物从火场移至空旷处。



材料安全数据表 Material Safety Data Sheet

产品名称: 蓝色高温润滑脂	修订日期: 2020 年 11 月 02 日	项目编号/Item No.: 20A310A083	版本: 1.0
Product Name: High-Tem Grease (Blue)	Revision Date: Nov. 02, 2020	MSDS No.: NMS.201.102.001.HSL	Version: 1.0

	As far as possible will be transferred to empty containers from the scene.
3	<p>喷水保持火场容器/内装物冷却, 直至灭火结束。</p> <p>Keep the fire water spray containers cooling, until the end of fire.</p>
4	<p>处在火场中的容器/内装物若已经变色, 必须马上撤离。</p> <p>If the containers in the fire ground have been color, must be evacuated immediately.</p>
5	<p>隔离事故现场, 禁止无关人员进入。</p> <p>Isolated accident scene, prohibit access.</p>
6	<p>收容和处理消防水, 防止污染环境。</p> <p>Receiving and processing of fire water, to prevent environmental pollution.</p>

6

泄漏应急处理 Accidental Release Measures

■ 作业人员防护措施, 防护设备和紧急处理程序
Personal precautions, protective equipment and emergency procedures

1	<p>涉及任何个人风险或没有经过适当的培训不要采取任何行动。</p> <p>No action shall be taken involving any personal risk or without suitable training.</p>
2	<p>疏散无关人员至安全区域。严禁不必要的和未受保护的人员进入。</p> <p>Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering.</p>
3	<p>请勿触摸或穿过溢出的材料, 避免滑倒。</p> <p>Do not touch or walk through spilt material, avoid slipping.</p>
4	<p>避免吸入蒸气。</p> <p>Avoid breathings steam.</p>
5	<p>保证充分的通风。当通风不良时, 佩戴适当的呼吸器。</p> <p>Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.</p>
6	<p>应急人员将配备适当的个人防护装备 (见第 8 部分)。</p> <p>Put on appropriate personal protective equipment (see section 8).</p>



This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.

材料安全数据表

Material Safety Data Sheet

产品名称: 蓝色高温润滑脂

修订日期: 2020 年 11 月 02 日

项目编号/Item No.: 20A310A083

版本: 1.0

Product Name: High-Tem Grease (Blue)

Revision Date: Nov. 02, 2020

MSDS No.: NMS.201.102.001.HSL

Version: 1.0

环境保护措施/Environmental precautions

1	在确保安全的情况下, 采取措施防止进一步的泄漏或溢出。 Prevent further leakage or spillage if safe to do so.
2	避免排放到周围环境中。 Discharge into the environment must be avoided.

泄漏化学品的收容、清除方法及所使用的处置材料

Methods and materials for containment and cleaning up

1	小泄漏: 若无危险, 阻止泄漏。移离泄漏区域容器。用一种惰性的干燥材料吸收泄漏物。 大泄漏: 若无危险, 阻止泄漏。移离泄漏区域容器。从上风方向接近泄漏物。冲洗溢出物至废水处理厂或者进行如下操作。遏制和用不燃吸收剂(如沙、土、蛭石、硅藻土)收集泄漏物。 Small spill: Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material. Large spill: Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth.
2	被污染的吸附物质可能和溢出产品具有同样的危害。 Contaminated absorbent material may pose the same hazard as the spilt product.
3	附着物或收集物应存放在合适的密闭容器中, 并根据当地相关法律法规废弃处置。 Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

7

操作处置和储存

Handling and Storage

操作注意事项/Precautions for safe handling

1	避免吸入蒸气。避免接触眼睛。 Avoid inhalation of vapors. Avoid contact eyes.
2	穿戴适当的个人防护设备(见第 8 部分) Put on appropriate personal protective equipment (see section 8).



材料安全数据表

Material Safety Data Sheet

产品名称: 蓝色高温润滑脂	修订日期: 2020 年 11 月 02 日	项目编号/Item No.: 20A310A083	版本: 1.0
Product Name: High-Tem Grease (Blue)	Revision Date: Nov. 02, 2020	MSDS No.: NMS.201.102.001.HSL	Version: 1.0

3	处理、存储和加工材料的地方禁止饮食和吸烟。 Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
4	工人在饮食和抽烟前应洗手和洗脸。 Workers should wash hands and face before eating, drinking and smoking.
5	提供合适的排气通风设备。在通风良好处进行操作。 Provide suitable exhaust equipment. Operate in a well-ventilated place.
6	一般性的防火保护措施。远离热源、火花、明火和热表面。 Normal measures for preventive fire protection. Keep away from heat/sparks/open flames/hot surfaces.
7	遵守良好的卫生程序和卫生习惯。 Observe good housekeeping procedures and hygiene practices.
8	搬运时要轻装轻卸, 防止包装及容器损坏。 Handling carefully to prevent damage the packaging and container.
9	操作后彻底清洗。 Wash thoroughly after handling.
10	配备相应品种和数量的消防器材及泄漏应急处理设备。 Equipped with corresponding varieties and number of fire equipment and spill contingency processing equipment.
11	患有皮肤过敏史的个体不应受雇于任何与本产品有关的作业。 Persons with a history of skin sensitization problems should not be employed in any process in which this product is used.

■ 储存注意事项/Precautions for storage

1	储存在原始容器中, 按照当地法规存储。 Store in original container, store in accordance with local regulations.
2	保持容器紧闭密封直至使用。 Keep container tightly closed and sealed until ready for use.
3	避免阳光直射, 储存在干燥, 阴凉和通风良好的地方, 远离不相容材料 (见第 10 部分)。



SIGNATURE: ZHONGKE SERVICES OF TESTING (SHENZHEN) CO., LTD.

This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.

材料安全数据表 Material Safety Data Sheet

产品名称: 蓝色高温润滑脂	修订日期: 2020年11月02日	项目编号/Item No.: 20A310A083	版本: 1.0
Product Name: High-Tem Grease (Blue)	Revision Date: Nov. 02, 2020	MSDS No.: NMS.201.102.001.HSL	Version: 1.0

	Avoid direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10).
4	远离热源、火花、明火和热表面。 Keep away from heat/sparks/open flames/hot surfaces.
5	配备相应品种和数量的消防器材及泄漏应急处理设备。 Equipped with corresponding varieties and number of fire equipment and spill contingency processing equipment.
6	远离儿童和宠物接触。 Keep out of reach of children and pets.

8

接触控制和个体防护 Exposure Controls/Personal Protection

控制参数/Control parameters

◆ 职业接触限值/Occupational Exposure limit values

1	没有已知的国家规定的暴露极限。 There is no known exposure limits prescribed by the state.
---	---

工程控制/Engineering controls

1	保持充分的通风, 特别在封闭区内。 Ensure adequate ventilation, especially in confined areas.
2	确保在工作场所附近有洗眼和淋浴设施。 Ensure that eyewash stations and safety showers are close to the workstation location.

个人防护装备/Personal protection

总要求: General requirements:	
呼吸系统防护: Respiratory protection:	如果蒸气浓度超过职业接触限值或发生刺激等症状时, 请使用全面罩式多功能防毒面具 (US) 或AXBEK型 (EN 14387) 防毒面具筒。 If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or



This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.

材料安全数据表

Material Safety Data Sheet

产品名称: 蓝色高温润滑脂	修订日期: 2020年11月02日	项目编号/Item No.: 20A310A083	版本: 1.0
Product Name: High-Tem Grease (Blue)	Revision Date: Nov. 02, 2020	MSDS No.: NMS.201.102.001.HSL	Version: 1.0

	type AXBEK (EN 14387) respirator cartridges.
眼睛防护:	如潜在眼睛接触时戴安全眼镜。
Eye protection:	Wear safety glasses when there is a potential for eye contact.
皮肤和身体防护:	穿适合的防护服。
Skin and body protection:	Wear suitable protective clothing.
手部防护:	使用防护手套。 每次使用前须检查保护手套是否正常。 选择合适的手套不单取决于材料, 亦取决于材料的质量, 且质量因不同厂家而异。
Hands protection:	Wear protective gloves. Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

9

理化特性

Physical and Chemical Properties

基本物理和化学特性的信息/Information on basic physical and chemical properties

外观与性状:	蓝色膏体
Appearance and character:	Blue paste
气味:	无气味
Odor:	Odorless
熔点/凝固点 (°C):	无资料
Melting point/freezing point (°C):	No data
初沸点和沸程 (°C):	无资料
Initial boiling point and boiling range (°C):	No data
闪点 (闭杯, °C):	>93



This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.

材料安全数据表

Material Safety Data Sheet

产品名称: 蓝色高温润滑脂	修订日期: 2020 年 11 月 02 日	项目编号/Item No.: 20A310A083	版本: 1.0
Product Name: High-Tem Grease (Blue)	Revision Date: Nov. 02, 2020	MSDS No.: NMS.201.102.001.HSL	Version: 1.0

Flash point (Close cup, °C):	>93
蒸发速率:	无资料
Evaporation rate:	No data
蒸汽压 (20 °C):	无资料
Steam pressure (20°C):	No data
相对密度 (水=1):	无资料
Relative density (water=1):	No data
n-辛醇/水分配系数:	无资料
Partition coefficient: n-octanol/water:	No data
分解温度 (°C):	无资料
Decomposition temperature (°C):	No data
自燃温度 (°C):	无资料
Auto ignition temperature (°C):	No data
pH 值:	不适用
pH value:	Not applicable
爆炸极限 [% (v/v)]:	非爆炸品
Explosion limit [% (v/v)]:	Non-explosive
相对蒸气密度 (空气=1):	无资料
Relative vapor density (air=1):	No data
溶解性:	不溶于水
Solubility:	Insoluble in water
易燃性 (固体, 气体):	不易燃
Flammability (solid, gas):	Non-flammable



This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.

材料安全数据表

Material Safety Data Sheet

产品名称: 蓝色高温润滑脂	修订日期: 2020年11月02日	项目编号/Item No.: 20A310A083	版本: 1.0
Product Name: High-Tem Grease (Blue)	Revision Date: Nov. 02, 2020	MSDS No.: NMS.201.102.001.HSL	Version: 1.0

氧化性:	该产品未划分为氧化性分类
Oxidizing properties:	The substance does not belong to oxidizing substances

10 稳定性和反应性

Stability and Reactivity

■ 稳定性和反应性/Stability and Reactivity

稳定性:	此物质化学性质稳定。
Stability:	The product is chemically stable.
反应性:	在正确的使用和存储条件下是稳定的。
Reactivity:	Stable under recommended storage and handling conditions.
禁配物:	强氧化剂、强酸和强碱。
Incompatible materials:	Strong oxidizing agents, strong acids and strong bases.
避免接触的条件:	不相容的物质, 明火、高温和阳光直射。
Conditions to avoid:	Incompatible materials, open fire, high temperature and direct sunlight.
危险分解产物:	在正常的存储和使用条件下, 不会产生危险的分解产物。
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 毒理学信息

Toxicological Information

■ 急性毒性/Acute toxicity

组分/Component(s)	CAS No.	LD ₅₀ (经口/Oral)	LD ₅₀ (经皮/Dermal)	LC ₅₀ (吸入/Inhalation)
二氧化硅/Silicon dioxide	112945-52-5	大鼠/Rat: 3160mg/kg	无资料/No data	无资料/No data
氧化聚乙烯 /Poly(ethylene glycol)	25322-68-3	大鼠/Rat: 44200mg/kg 小鼠/Mouse: 28900mg/kg	无资料/No data	无资料/No data



This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.

材料安全数据表 Material Safety Data Sheet

产品名称: 蓝色高温润滑脂	修订日期: 2020年11月02日	项目编号/Item No.: 20A310A083	版本: 1.0
Product Name: High-Tem Grease (Blue)	Revision Date: Nov. 02, 2020	MSDS No.: NMS.201.102.001.HSL	Version: 1.0

■ 皮肤刺激或腐蚀/Skin corrosion/irritation

组分 Component(s)	CAS No.	物种 Species	途径 Route	值 Value	结果 Result	试验方法 Type of test
氧化聚乙烯 /Poly(ethylene glycol)	25322-68-3	兔子 Rabbit	皮肤 Skin	500mg/24H	轻度 Mild	标准 Draize 试验 Standard Draize test

■ 眼睛刺激或腐蚀/Eye corrosion/irritation

组分 Component(s)	CAS No.	物种 Species	途径 Route	值 Value	结果 Result	试验方法 Type of test
氧化聚乙烯 /Poly(ethylene glycol)	25322-68-3	兔子 Rabbit	皮肤 Skin	500mg/24H	轻度 Mild	标准 Draize 试验 Standard Draize test

呼吸致敏:	产品无已知引起人类呼吸过敏。
Respiratory sensitization:	These products are not known to cause human respiratory sensitization.
皮肤致敏:	产品无已知引起皮肤过敏。
Skin sensitization:	These products are not known to cause skin sensitization.
生殖细胞突变性:	根据现有数据, 产品不被分类。
Germ cell mutagenicity:	According to the existing data, the product is not classified.
致癌性:	EPA, IARC, NTP, OSHA和ACGIH中无该材料的致癌性分类数据。
Carcinogenicity:	No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.
生殖毒性:	根据现有数据, 产品不被分类。
Reproductive toxicity:	According to the existing data, the product is not classified.
特异性靶器官系统毒性-一次接触:	根据现有数据, 产品不被分类。
Specific target organ toxicity - single exposure:	According to the existing data, the product is not classified.
特异性靶器官系统毒性-反复接触:	根据现有数据, 产品不被分类。



This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.

材料安全数据表

Material Safety Data Sheet

产品名称: 蓝色高温润滑脂	修订日期: 2020年11月02日	项目编号/Item No.: 20A310A083	版本: 1.0
Product Name: High-Tem Grease (Blue)	Revision Date: Nov. 02, 2020	MSDS No.: NMS.201.102.001.HSL	Version: 1.0

Specific target organ toxicity - repeated exposure:	According to the existing data, the product is not classified.
吸入危害:	根据现有数据, 产品不被分类。
Aspiration hazard:	According to the existing data, the product is not classified.
生殖毒性附加危害:	根据现有数据, 产品不被分类。
Additional reproductive toxicity hazards:	According to the existing data, the product is not classified.

12

生态学信息

Ecological Information

水生毒性/Aquatic toxicity

急性/慢性水生毒性:	本品不含有毒或有害物质, 基于报告使用模式对环境影响可忽略不计。
Acute/Chronic aquatic toxicity:	This product contains no hazardous or toxic substances, and presents a negligible impact on the environment based on its reported use pattern.

持久性和降解性/Persistence and degradability

降解性:	无资料。
Degradability:	No data.

生物富集或生物积累性/Bioaccumulative potential

生物积累性:	这种物质在水中的生物累积性是低的。
Bioaccumulation:	The potential for bioaccumulation of this material in aquatic organisms is low.

土壤中的迁移性/Mobility in soil

迁移性:	无资料。
Mobility:	No data.

其他危害/Other adverse effects

1	在环境条件下, 预计不会对植物、动物或微生物产生不利影响。但无政府许可不允许将该材料释放到环境中。 Under environmental conditions, is not expected to have a detrimental effect on plants, animals or microorganisms. But do not allow material to be released to the environment without proper
---	--



SIGNATURE: ZHONGKE SERVICES OF TESTING (SHENZHEN) CO., LTD.

This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.

材料安全数据表

Material Safety Data Sheet

产品名称: 蓝色高温润滑脂	修订日期: 2020年11月02日	项目编号/Item No.: 20A310A083	版本: 1.0
Product Name: High-Tem Grease (Blue)	Revision Date: Nov. 02, 2020	MSDS No.: NMS.201.102.001.HSL	Version: 1.0

governmental permits.

13

废弃处置

Disposal Consideration

废弃处理/Waste disposal

废弃物:	参考州、地方和国家有关法规进行正确处理。 尽可能避免或减少废弃物的产生。 建议与易燃溶剂相溶或者相混合,在备有燃烧后处理和洗刷作用的化学焚化炉中燃烧或转移到一个合适的容器和安排专业废物处理公司的收集处理。
Residual waste:	Before disposal should refer to the relevant national and local laws and regulation. The generation of waste should be avoided or minimized wherever possible. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system or transfer to a suitable container and arrange for collection by specialized disposal company if recycling is not feasible.
污染包装物:	尽可能避免或减少废物的产生。 应回收利用。只有在回收不可行时,才应考虑焚烧或填埋。
Contaminated packaging:	The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
废弃注意事项:	应参阅国家和地方有关规定处理容器和未使用的内容物。
Disposal considerations:	Dispose of container and unused contents in accordance with national and local relevant regulations laws.

14

运输信息

Transport Information

运输规则/Transport rules

	根据国际航空运输协会《危险品规则》61版,《国际海运危险品规则》(修正版 39-18),《欧洲陆运危规》。该产品不受 IATA DGR, IMDG 和 ADR/RID 的管制。
--	--



材料安全数据表

Material Safety Data Sheet

产品名称: 蓝色高温润滑脂	修订日期: 2020年11月02日	项目编号/Item No.: 20A310A083	版本: 1.0
Product Name: High-Tem Grease (Blue)	Revision Date: Nov. 02, 2020	MSDS No.: NMS.201.102.001.HSL	Version: 1.0

	According to IATA DGR 61 st Edition for transportation, IMO International Maritime Dangerous Goods Code (Amendment 39-18), European Agreement Concerning the International Carriage of Dangerous Goods by Road. The products are not subject to IATA DGR, IMDG and ADR/RID.
--	--

■ 标签和标记/Label(s) required

运输标签和标记:	无
Label(s):	None

■ 公路运输/Road transport (UN-ADR)

联合国危险货物编号:	非限制性货物
UN number:	Not regulated
联合国正确的运输名称:	非限制性货物
UN proper shipping name:	Not regulated
运输主要危险类别:	非限制性货物
Transport hazard class(es)-Main:	Not regulated
运输次要危险类别:	无
Transport hazard class(es)-Sub risk:	None
包装类别:	非限制性货物
Packaging group:	Not regulated
特殊规定:	无
Special provisions:	None
危害识别编码:	无
Hazard code:	None

■ 空运/Air transport (ICAO-IATA/DGR)

联合国危险货物编号:	非限制性货物
UN number:	Not regulated



This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.

材料安全数据表

Material Safety Data Sheet

产品名称: 蓝色高温润滑脂	修订日期: 2020 年 11 月 02 日	项目编号/Item No.: 20A310A083	版本: 1.0
Product Name: High-Tem Grease (Blue)	Revision Date: Nov. 02, 2020	MSDS No.: NMS.201.102.001.HSL	Version: 1.0

联合国正确的运输名称:	非限制性货物
UN proper shipping name:	Not regulated
运输主要危险类别:	非限制性货物
Transport hazard class(es)-Main:	Not regulated
运输次要危险类别:	无
Transport hazard class(es)-Sub risk:	None
包装类别:	不适用
Packaging group:	Not applicable
运输特殊规定:	无
Special provisions for transportation:	None
ERG 代码:	无
ERG code:	None

■ 海运/Sea transport (IMDG-CODE)

联合国危险货物编号:	非限制性货物
UN number:	Not regulated
联合国正确的运输名称:	非限制性货物
UN proper shipping name:	Not regulated
运输主要危险类别:	非限制性货物
Transport hazard class(es)-Main:	Not regulated
运输次要危险类别:	无
Transport hazard class(es)-Sub risk:	None
包装类别:	不适用
Packaging group:	Not applicable



This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.

材料安全数据表 Material Safety Data Sheet

产品名称: 蓝色高温润滑脂 Product Name: High-Tem Grease (Blue)	修订日期: 2020 年 11 月 02 日 Revision Date: Nov. 02, 2020	项目编号/Item No.: 20A310A083 MSDS No.: NMS.201.102.001.HSL	版本: 1.0 Version: 1.0
---	--	--	-------------------------

运输特殊规定:	无
Special provisions for transportation:	None
海洋污染物 (是/否):	否
Marine pollutants (Yes/No):	No
EmS No.:	无/None

15

法规信息

Regulatory Information

法规信息: 参考地方、国家、美国、欧盟、加拿大和国际法规。
Regulatory information: Reference to the local, national, US, EU, CA and international regulations.

CAS No.	TSCA	EINECS	DSL	IECSC	NZIoC	PICCS	KECI	AICS
8020-83-5	×	√	√	√	√	√	×	√
112945-52-5	×	√	√	√	√	√	√	√
9002-84-0	√	√	√	√	√	√	√	√
25322-68-3	√	√	√	√	√	√	√	√

TSCA:	美国 TSCA 化学物质名录 United States Toxic Substances Control Act Inventory
EINECS:	欧洲现有化学物质名录 European Inventory of Existing Commercial Chemical Substances
DSL:	加拿大国内化学物质名录 Canadian Domestic Substances List
IECSC:	中国现有化学物质名录 China Inventory of Existing Chemical Substances
PICCS:	菲律宾化学品和化学物质名录



This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.

材料安全数据表

Material Safety Data Sheet

产品名称: 蓝色高温润滑脂	修订日期: 2020年11月02日	项目编号/Item No.: 20A310A083	版本: 1.0
Product Name: High-Tem Grease (Blue)	Revision Date: Nov. 02, 2020	MSDS No.: NMS.201.102.001.HSL	Version: 1.0

	Philippines Inventory of Chemicals and Chemical Substances
NZIoC:	新西兰现有暂用的化学物质名录
	New Zealand Inventory of Chemicals
KECI:	韩国现有化学物质名录
	Existing and Evaluated Chemical Substances
AICS:	澳大利亚现有化学品物质名录
	List of existing chemical substances in Australia
★ 备注: Note:	“√” 表示该物质列入法规 Indicates that the substance included in the regulations
	“×” 表示暂无资料或未列入法规 That no data or included in the regulations

16

其他信息

Other Information

缩略语或术语/Abbreviations or phrases

ACGIH:	美国政府工业卫生学家会议 American Conference of Governmental Industrial Hygienists
ADR:	欧洲关于危险国际货物公路运输的协议 European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS:	化学文摘社/Chemical Abstracts Service
CLP:	分类、包装、标签/Classification, labeling and packaging
EC:	欧洲委员会/Council of Europe
ECHA:	欧洲化学品管理局European Chemicals Agency
EINECS:	欧洲现有商业化学物质的目录
	European Inventory of Existing commercial Chemical Substances
GHS:	全球化学品统一分类和标签制度
	Globally Harmonized System of Classification and Labelling of Chemicals
IARC:	国际癌症研究机构/International Agency for Research on Cancer



This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.

材料安全数据表

Material Safety Data Sheet

产品名称: 蓝色高温润滑脂	修订日期: 2020年11月02日	项目编号/Item No.: 20A310A083	版本: 1.0
Product Name: High-Tem Grease (Blue)	Revision Date: Nov. 02, 2020	MSDS No.: NMS.201.102.001.HSL	Version: 1.0

IATA:	国际航空运输协会/International Air Transport Association
RID:	国际危险货物铁路运输规则/International Civil Aviation Organization
ICAO:	国际民航组织/International Maritime Dangerous Goods Code
IMDG:	国际海运危险品规则/International Maritime Dangerous Goods Code
IC ₅₀ :	半数抑制浓度/Inhibitory Concern Triton 50%
LC ₅₀ :	半数致死浓度/Lethal Concentration 50%
LD ₅₀ :	半数致死剂量/Median Lethal Dose 50%
MAPROL:	防止船舶造成污染国际公约
	REGULATION concerning the Registration, Evaluation, Authorization and Restriction of Chemicals
REACH:	化学品的注册, 评估和授权
	Regulation for rail International transportation of Dangerous goods
STEL:	短时间暴露限值/Short Term Exposure Limit
TWA:	时间加权平均浓度/Time Weighted Average
MAC:	最高容许浓度/Maximum Allowable Concentration
OSHA:	职业安全与健康管理局/Occupational Safety and Health Administration
NIOSH:	国家职业安全卫生研究所
	National Institute for Occupational Safety and Health
TLV:	阈限值/Threshold Limit Value
TLV-TWA:	容许最高浓度-时间加权平均值
	Threshold Limit Value-Time Weighted Average
TLV- STEL:	容许最高浓度-短时间暴露限值
	Threshold Limit Value-Short term Exposure Limit
PC-TWA:	时间加权平均容许浓度/Permissible Concentration-Time Weighted Average
PC-STEL:	短时间接触容许浓度/Permissible Concentration-Short Term Exposure Limit
PEL:	容许暴露限值/Permissible Exposure Limit
OELs:	职业接触限值/Occupational Exposure Limits

参考文献/Reference

1	国际癌症研究机构/IARC
---	---------------



SIGNATURE: ZHONGKE SERVICES OF TESTING (SHENZHEN) CO., LTD.

This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.

材料安全数据表

Material Safety Data Sheet

产品名称: 蓝色高温润滑脂	修订日期: 2020 年 11 月 02 日	项目编号/Item No.: 20A310A083	版本: 1.0
Product Name: High-Tem Grease (Blue)	Revision Date: Nov. 02, 2020	MSDS No.: NMS.201.102.001.HSL	Version: 1.0

2	OECD 全球化学品信息平台/OECD: The Global Portal to Information on Chemical Substances
3	美国交通部: 应急响应指南/U.S. Department of Transportation: ERG
4	德国 GESTIS-有害物质数据库/Germany GESTIS-database on hazard substance
5	美国 CAMEO 化学物质数据库/CAMEO Chemicals
6	美国医学图书馆: 化学品标识数据库/NLM: ChemIDplus
7	美国环境保护署: 综合危险性信息系统/EPA: Integrated Risk Information System
8	国际化学品安全规划署: 国际化学品安全卡 (ICSC)
	IPCS: The International Chemical Safety Cards (ICSC)

免责声明/Disclaimer

1	<p>上述信息视为正确,但我们并不能保证其绝对的广泛性和精确性,仅作为指引使用。本文件中的信息是基于我们目前所知,就正确的安全提示来说适用于本品。该信息不代表对此产品性质的保证。</p> <p>The above information is believed to be correct but we can not guarantee the absolute universality and accuracy and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.</p>
2	<p>中科检测确保检测的客观公正性,并对申请人所提供的信息履行保密义务;申请人对所提供的样品及相关信息的真实性负责;本报告检测结果仅对受测样品负责;检测结果仅反映对受测样品的评价,并无授权作他用;中科检测不对因使用本报告引起的或与本报告有关的任何损失承担任何责任,包括但不限于合同、侵权、法规或其它责任;本报告无批准人签字及加盖公司报告章无效;本报告未经书面同意不得作为商业广告使用;任何未经授权对本报告进行转载、篡改、伪造或复制行为都是违法,中科检测将保留对其追究法律责任的权利。</p> <p>Zhongke testing ensures the objectivity and fairness of the test and fulfills the confidentiality obligations of the applicant's information. The applicant is responsible for the authenticity of the submitted samples and information. The results shown in this report relate only to the samples tested. The test results only reflect the evaluation of the sample being tested and are not used for other purposes. Zhongke testing shall not be liable for any loss arising from or in connection with this report, contract, tort, regulation or other reasons. This report is invalid or has been copied in whole or in part if there is no approver signature and Zhongke testing special seal. This report may not be published as an advertisement without the approval of the Zhongke testing. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is illegal and the offender may be prosecuted to the fullest extent of the law.</p>

报告结束/END OF REPORT



This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.