

化学品安全技术说明书

Material Safety Data Sheet (MSDS)

编制日期: 2012/1/1 Preparation Date	SDS 编号: Q/320585 GOC001 SDS No.
修订日期: 2017/6/1 Revision Date	产品名称: 直链烷基苯 Product Name: Linear Alkylbenzene (LAB)

第一部分 化学品及企业标识

1. IDENTIFICATION OF THE CHEMICAL AND THE COMPANY

化学品中文名称: 直链烷基苯

CHEMICAL NAME IN CHINESE: 直链烷基苯

化学品英文名称: Linear Alkylbenzene

CHEMICAL NAME IN ENGLISH: Linear Alkylbenzene (LAB)

企业名称: 琪优势化工(太仓)有限公司

COMPANY NAME: Great Orient Chemical (Taicang) Co., Ltd. (GOC)

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EMERGENCY TELEPHONE NUMBER: 0532-83889090

产品推荐用途: 可生物降解的表面活性剂原料。

RECOMMENDED PRODUCT USE: BIO-DEGRADABLE SURFACTANT RAW MATERIAL

第二部分 危险性概述

2. HAZARD IDENTIFICATION

紧急情况概述: 无色透明液体, 略带紫色荧光。吞咽并进入呼吸道可能有害。该品可燃。其蒸气比空气重, 能在较低处扩散到相当远的地方, 遇火源会着火回燃。

EMERGENCY SUMMARY: Colorless and transparent liquid, slightly purple fluorescence. May be fatal if swallowed and enters airways. The product is flammable. Its vapor is heavier than air, can spread in a relatively low place to a considerable distance, it will catch fire and backdraft in case of fire source.

GHS 危险性类别: 根据 GB 30000.X-2013 化学品分类和标签规范系列国家标准 (参阅第十六部分), 该产品分类如下: 吸入危害, 类别 2。

GHS HAZARD CATEGORY: According to GB 30000.X-2013 National Standard for Chemical Classification and Labeling (refer to Section 16), the danger of the product is classified as follows: Inhalation Hazard, Category 2.

标签要素: SIGNAL FACTORS

象形图 PICTOGRAMS:



警示词:

SIGNAL WORD: **Warning**

警告

危险信息: 造成轻微皮肤刺激。吞咽并进入呼吸道可能有害。该品可燃。

HAZARD STATEMENTS: Slightly irritating to the skin. May be fatal if swallowed and enters airways. Flammable.

防范说明:

PRECAUTIONARY STATEMENTS:

预防措施: 远离热源、火花、明火、热表面。使用不产生火花的工具作业。保持容器密闭。采取防止静电措施, 容器和接收设备接地、连接。使用防爆电器、通风、照明及其他设备。戴防护手套、防护眼镜、防护面罩。操作后彻底清洗身体接触部位。作业场所不得进食、饮水、吸烟。禁止排入水生环境。

PRECAUTIONS: Keep away from heat, sparks, open flames, hot surfaces. Use a tool that does not generate sparks. Keep the container closed. Take measures to prevent static electricity, the container and receiving equipment are grounded and connected. Use explosion-proof electrical appliances, ventilation, lighting and other equipment. Wear protective gloves, protective glasses, protective masks. After operation, Wear protective gloves, protective glasses, protective masks. After operation,

thoroughly clean the body contact parts. Do not eat, drink or smoke at work place.
Do not discharge the product into the aquatic environment.

事故响应: 皮肤接触: 立即脱去污染的衣着, 用大量流动清水冲洗。食入: 饮足量温水, 催吐。就医。收集泄漏物。

RESPONSE TO ACCIDENTS: Skin contact: immediately remove the contaminated clothing, flush with plenty of water. Ingestion: drink plenty of warm water, vomiting. Medical treatment. Collect spillage.

安全储存: 储存于阴凉、通风的库房。上锁保管。

STORAGE: Store at a cool, ventilated warehouse and lock up.

废弃处置: 处置前应参阅国家和地方有关法规。建议用焚烧法处置。

DISPOSAL: Refer to the relevant national and local regulations before disposal. Suggest disposing with incineration.

物理化学危险: 该品可燃。

PHYSICAL HAZARDS: The product is flammable.

健康危险: 造成轻微皮肤刺激。吞咽并进入呼吸道可能有害; 未见生产过程中本品中毒报道。

HEALTH HAZARDS: Slightly irritating to the skin. May be fatal if swallowed and enters airways; no reports about the poisoning during the production process.

环境危害: 无资料

ENVIRONMENTAL HAZARDS: No information available.

第三部分 成分/组成信息

3. COMPOSITION/INFORMATION ON INGREDIENTS

物质 混合物

SUBSTANCE

MIXTURE

危险组分 Components	浓度 % Density	CAS No.
直链烷基苯 Linear Alkylbenzene	100%	6777-74-7

第四部分 急救措施

4. FIRST AID MEASURES

皮肤接触: 立即脱去污染的衣着, 用大量流动清水冲洗至少 20 分钟。就医。

SKIN CONTACT: Remove contaminated clothing and shoes, flush skin with running water for at least 20 minutes. Seek medical treatment.

眼睛接触: 提起眼睑, 用流动清水或生理盐水冲洗。就医。

EYE CONTACT: Lift the eyelid, flush eyes with running water. Seek medical treatment.

吸入: 迅速脱离现场至空气新鲜处。保持呼吸道通畅。如呼吸困难, 给输氧。如呼吸停止, 立即进行人工呼吸。就医。

FOLLOWING INHALATION: Get away from the scene to the fresh air quickly. Keep the airway open. If breathing is difficult, give oxygen. In case of respiratory arrest, do artificial respiration immediately. Seek medical treatment.

食入: 饮足量温水, 催吐。就医。

FOLLOWING INGESTION: Drink plenty of warm water, vomiting. Seek medical treatment.

接触该化学品的主要症状和对健康的影响: 未见生产过程中本品中毒的报道。

MAIN SYMPTOMS OF EXPOSURE TO THE CHEMICAL AND HEALTH EFFECTS: No reports about poisoning during the production process.

对施救者的忠告: 施救人员自身必须佩带齐全相关劳动防护用品。确保医务人员知道相关的知识和采取预防措施来保护自己。

ADVICE TO THE RESCUER: The rescue personnel must wear the relevant labor protection supplies. Make sure that the medical personnel know the relevant knowledge and take precautions to protect themselves.

第五部分 消防措施

5. FIRE FIGHTING MEASURES

灭火方法及灭火剂: 消防人员须佩戴防毒面具、穿全身消防服, 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。处在火场中的容器若已变色或从安全泄压装置中产生声音, 必须马上撤离。

FIRE FIGHTING METHODS AND FIRE EXTINGUISHING AGENT: Firefighters must wear gas masks and body fire suits, put out the fire at the location of upwind. Move the container from the fire to an open area as far as possible. Spray water to keep the fire container

cool until the end of the fire. If the container in the fire has been discolored or has sound from the safety relief device, firefighters must evacuate immediately.

灭火剂: 雾状水、泡沫、干粉、二氧化碳、砂土。不宜用水。

EXTINGUISHING AGENT: Spray water, foam, dry powder, carbon dioxide and sand. No water.

特别危险性: 有害燃烧产物: 一氧化碳、二氧化碳。遇明火、高热可燃。与氧化剂可发生反应。受高热分解放出有毒的气体。流速过快, 容易产生和积聚静电。若遇高热, 容器内压增大, 有开裂和爆炸的危险。

SPECIAL HAZARD: Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide. In case of fire, high heat and combustible. React with the oxidant. Thermal decomposition by heating and release of toxic gases. Flow too fast, easy to produce and accumulate static electricity. In case of high heat, the container pressure increases, there is a risk of cracking and explosion.

特殊灭火方法: 无

SPECIAL FIRE FIGHTING METHOD: None

保护消防人员的防护装备: 消防人员须佩戴防毒面具、穿全身消防服, 在上风向灭火。使用不易产生火花的工具。

PROTECTION EQUIPMENT OF FIREFIGHTERS: Firefighters must wear gas masks and body fire suits, put out the fire at the location of upwind. Use tools that do not produce sparks.

第六部分 泄露应急处理

6. ACCIDENTAL RELEASE MEASURES

作业人员防护措施、防护装备和应急处置程序: 消除所有点火源。根据液体流动和蒸汽扩散的影响区划定警戒区, 无关人员撤离至安全区。塑料薄膜覆盖, 防止蔓延。不要触摸损坏容器或溢出的材料, 建议应急处置人员戴正压携气式呼吸器, 穿防静电服, 戴橡胶耐油手套。作业时使用的设备应接地。禁止接触或跨越泄漏物。尽可能切断泄漏源。少量泄漏: 用砂土吸收。大量泄漏: 构筑围堤或挖坑收容。用泵转移至槽车或专用收集器内, 回收或运至废物处理场所处置。

OPERATING PERSONNEL PROTECTIVE MEASURES, PROTECTIVE EQUIPMENT AND EMERGENCY TREATMENT PROCEDURES: Eliminate all ignition sources. According to the liquid flow and vapor diffusion of the affected area, delimit the warning area, unrelated personnel evacuate to a safe area. Cover with plastic film to prevent the spread. Do not touch damaged containers or spilled material, it is recommended that emergency personnel wear a positive pressure breathing air respirator, anti-static clothing and rubber oil gloves. All equipment used during operation should be grounded. Do not touch or

cross the spills. Cut off the source as much as possible. Small amount of leakage: absorbed with sand. A large number of leakage: build dike or digging. Transfer to a tanker or special collector by a pump, recycle or transport to the waste disposal sites.

环境保护措施: 避免释放到环境中, 防止进入下水道、地表水和地下水或限制区域。

ENVIRONMENTAL PROTECTION MEASURES: Avoid release to the environment. Prevent entry into waterways, sewers, basements or confined areas.

泄漏化学品的收容、清除方法及所使用的处置材料: 少量泄漏: 用砂土吸收。大量泄漏: 构筑围堤或挖坑收容。用泡沫覆盖, 抑制蒸发。用防爆泵转移至槽车或专用收集器内, 回收或运至废物处理场所处置。

METHODS OF DISPOSAL AND MATERIALS USED FOR LEAKAGE OF CHEMICALS: Small amount of leakage: absorbed with sand. A large number of leakage: build dike or digging. Cover with foam to suppress evaporation. Transfer to a tanker or a special collector with an explosion-proof pump, recycle or transport to the waste disposal sites.

防止发生次生危害的预防措施: 消除点火源, 防止泄漏物进入水体、下水道、地下室或密闭性空间。

PRECAUTIONS AGAINST SECONDARY HAZARDS: Eliminate ignition sources and prevent spillage from entering the water, sewer, basement or confined space.

第七部分 操作处置与储存

7. HANDLING & STORAGE

操作注意事项: 密闭操作, 局部排风。防止蒸气泄漏到工作场所空气中。操作人员必须经过专门培训, 严格遵守操作规程。建议操作人员佩戴自吸过滤式防毒面具(半面罩), 戴化学安全防护眼镜, 穿橡胶耐酸碱服, 戴橡胶耐酸碱手套。远离火种、热源, 工作场所严禁吸烟。使用防爆型的通风系统和设备。在清除液体和蒸气前不能进行焊接、切割等作业。避免产生烟雾。避免与氧化剂接触。配备相应品种和数量的消防器材及泄漏应急处理设备。倒空的容器可能残留有害物。使用后洗手, 禁止工作场所饮食, 进入餐饮区前脱掉污染的衣着和防护装备。

OPERATION NOTES: closed operation, local exhaust. Prevent the vapor from leaking into the air at the workplace. Operators must be specially trained to strictly observe the operating procedures. It is recommended that the operator should wear self-priming filter respirators (half face mask), chemical safety glasses, acid and alkali-resistant rubber clothes as well as acid and alkali-resistant rubber gloves. Keep away from fire and heat, smoking is strictly prohibited at the workplace. Use

explosion-proof ventilation systems and equipment. Before the removal of liquid and vapor, do not carry out welding, cutting or other operations. Avoid producing smoke. Avoid contact with oxidants. Equipped with the corresponding variety and quantity of fire equipment and leakage emergency treatment equipment. Empty containers may have harmful residues. Wash hands after use, prohibit eating and drinking at the workplace, take off the contaminated clothing and protective equipment before entering to the dining area.

储存注意事项: 储存于阴凉、通风良好的专用库房内。远离火种、热源。防止阳光直射。库温不宜超过 37℃。保持容器密封。应与氧化剂分开存放，切忌混储。配备相应品种和数量的消防器材。储存区应备有泄漏应急处理设备和合适的收容材料。

STORAGE PRECAUTIONS: Store in a cool, well-ventilated special warehouse. Away from fire, heat. Prevent direct sunlight. The temperature at the warehouse should not exceed 37 °C. Keep the container sealed. Separate from the oxidant, avoid mixing storage. Equipped with the corresponding variety and quantity of fire equipment. Storage areas should be equipped with leakage emergency treatment equipment and suitable storage materials.

第八部分 接触控制和个体防护

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

职业接触限值: 中国 MAC: 未制定标准; 前苏联 MAC: 未制定标准。

OCCUPATIONAL EXPOSURE LIMIT: CHINA MAC: standard not formulated yet. Former Soviet Union MAC: standard not formulated yet.

监测方法: 无资料

MONITORING METHOD: No information available

生物限值: 无资料

BIOLOGICAL LIMITS: No information available

监测方法: 无资料

MONITORING METHOD: No information available

工程控制方法: 提供良好的自然通风条件。

ENGINEERING CONTROLS: Provide good natural ventilation conditions.

呼吸系统防护: 一般不需要特殊防护，但当作业场所空气中氧气浓度低于 18% 时，紧急事态抢救或撤离时，应该佩戴空气呼吸器。

RESPIRATORY PROTECTION: Generally do not require special protection, but when the air oxygen concentration at the workplace is below 18%, wear air breathing apparatus for emergency rescue or evacuation.

手防护: 戴一般作业防护手套。

HAND PROTECTION: Wear general protective gloves

眼睛防护: 戴化学安全防护眼镜。提供紧急淋浴和洗眼水。

EYE PROTECTION: Wear suitable protective goggles. Provide emergency shower and eyewash.

皮肤和身体防护: 穿一般作业防护服。

SKIN & BODY PROTECTION: Wear suitable protective clothing.

特殊防护措施: 工作场所禁止吸烟、进食和饮水, 饭前要洗手。工作完毕, 淋浴更衣。保持良好的卫生习惯。

SPECIAL PROTECTIVE MEASURES: No smoking, eating or drinking at the workplace, wash your hands before meals. Take shower and change clothing after work. Keep good hygiene habits.

第九部分 理化特性

9. PHYSICAL AND CHEMICAL PROPERTIES

外观与性状: 无色液体。

气味: 有芳香味。

APPEARANCE: Transparent Liquid

ODOR: Aroma

Ph 值: 无资料

熔点/凝固点 (°C): <-39

Ph: No information available

Melting point/freezing point (°C) : <-39

沸点、初沸点和沸程 (°C): 280-315

闪点 (°C): 140-150

Initial boiling point and boiling range (°C) : 280-315

Flash point (°C) : 140-150

爆炸上限% (V/V): 0.45

爆炸下限% (V/V): 10.7

UPPER EXPLOSIVE LIMIT% (V/V) : 0.45

LOWER EXPLOSIVE LIMIT% (V/V) : 10.7

蒸气压 (KPa): 0.013 hPa (25°C)

蒸气密度 (空气=1): 0.85-0.87

VAPOR PRESSURE (KPa) : 0.013 hPa (25°C)

VAPOR DENSITY (AIR=1) : 0.85-0.87

相对密度 (水=1): 0.80-0.90 (25°C)

溶解性: 0.041 mg / L

RELATIVE DENSITY (WATER=1) : ...

SOLUBILITY: 0.041 mg / L

0.80-0.90 (25°C)

直链烷基苯
Linear Alkylbenzene

SDS 编号: Q/320585 GOC001
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修订日期: 2017/6/1
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辛醇/水分配系数: 无资料

N-OCTANOL/WATER PARTITION: No
information available

分解温度 (°C): 无资料

DECOMPOSITION TEMPERATURE (°C) : No
information available

蒸发速率: 无资料

EVAPORATION RATE: No information
available

临界温度 (°C): 无资料

CRITICAL TEMPERATURE(°C): No
information available

自燃温度 (°C): 无资料

AUTO IGNITION TEMPERATURE: No
information available

气味阈值: 无资料

ODOR THRESHOLD: No information available

易燃性: 本品可燃。

IMFLAMMABILITY: IMFLAMMABLE

临界压力 (MPa): 无资料

CRITICAL PRESSURE(MPa): No information
available

第十部分 稳定性和反应性

10. STABILITY AND REACTIVITY

稳定性: 在正常环境温度下储存和使用, 本品稳定。

STABILITY: The product is stable when store and use under normal environmental
temperature

危险反应: 热积聚和压力升高可导致密封容器破裂。有些液体产生蒸汽可能引起头晕或窒息。

HAZARDOUS REACTIVITY: Some liquids produce vapors that may cause dizziness or
suffocation.

应避免的条件: 明火、高热。

CONDITIONS TO AVOID: All ignition sources. Do not expose to sunlight.

不相容的物质: 强氧化剂。

INCOMPATIBLE MATERIALS: Strong oxide.

危险的分解产物: 刺激性有毒气体。

HAZARDOUS DECOMPOSITION PRODUCTS: Irritating, toxic gases.

预期用途: 可生物降解的表面活性剂原料。

INTENDED APPLICATION: Bio-degradable surfactant raw material

可预见的错误用途: 无资料

PREDICTABLE USAGE MISTAKES: No information available

第十一部分 毒理学信息

11. TOXICOLOGICAL INFORMATION

急性毒性: 口服: LD50 大于 5000 mg/kg (大鼠, GLP); 真皮: LD50 > 2000 毫克/公斤 (兔, OECD TG 402, GLP); 吸 (气): 无可用数据; 吸入 (尘、雾): LC50 大于 1.82 毫克/升 (大鼠, GLP)

ACUTE TOXICITY: Oral: LD50 > 5000 mg/kg (Rat, GLP); Dermis: LD50 > 2000 mg/kg (Rabbit, OECD TG 402, GLP); Inhalation (Gas): No data available; Inhalation (Dust, mist): LC50 > 1.82 mg/L (Rat, GLP)

皮肤刺激或腐蚀: 轻微刺激 (兔, GLP)

SKIN IRRITATION/CORROSION: Slightly irritating (Rabbit, GLP)

眼睛刺激或腐蚀: 不刺激 (兔, GLP)

EYE IRRITATION/CORROSION: Not irritating (Rabbit, GLP)

呼吸或皮肤过敏: 不过敏 (几内亚猪, OECD TG 406)

RESPIRATORY/SKIN ALLERGY: Not allergic (Guinea pig, OECD TG 406)

生殖细胞突变性: 体内 - 老鼠: 负 (基因突变微核, OECD TG 474, GLP); 体外鼠伤寒沙门氏菌: 阴性 (Ames 试验, GLP)

中国仓鼠卵巢: 负 (哺乳动物细胞基因 mutation 测定, OECD TG 476, GLP)

GERM CELL MUTAGENICITY: In vivo - Mouse: Negative (Gene mutation micronucleus assay, OECD TG 474, GLP); In vitro - Salmonella typhimurium: Negative (Ames test, GLP)

Chinese hamster Ovary: Negative (mammalian cell gene mutation test, OECD TG 476, GLP)

致癌性: 无资料

CARCINOGENICITY: No information available

生殖毒性: 亲代动物的交配、怀孕和生育率没有受到影响。在高剂量组、妊娠期长度为 F2 窝区间明显增加 (大鼠, OECD TG 416, GLP)

REPRODUCTION TOXICITY: -Mating, pregnancy and fertility rates of parental animals were not influenced. In the high-dose-group, gestation length was significantly increased for the F2 litter interval (Rat, OECD TG 416, GLP)

特异性靶器官系统毒性——一次性接触: 在第 6 天, 九只动物在剂量部位出现了略微隆起的红色区域。9 天在这一地区形成痂。实验结束后, 所有的动物都完全康复了。(大鼠, OECD TG 402, GLP)

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): Nine of the animals developed a slightly raised red area at the dose site on day 6. Scabs formed at this area by day 9. All animals were fully recovered by the end of the experiment. (Rat, OECD TG 402, GLP)

特异性靶器官系统毒性——反复接触: 在所有暴露水平下体重和食物消耗减少。无肉眼可见的病理改变。(大鼠, OECD TG 407, GLP)

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): Reduction in body weight and food consumption were observed at all exposure levels. No gross pathological changes were noted. (Rat, OECD TG 407, GLP)

吸入危害: 这可能导致吸入危害(粘度为 4.23 毫米²/s 的 40°C, 烃)。(GLP): 迅速脱离现场至空气新鲜处。保持呼吸道通畅。如呼吸困难, 给输氧。如呼吸停止, 立即进行人工呼吸。就医。

ASPIRATION HAZARD: This may lead to the inhalation hazard (viscosity of 4.23 mm L /s and 40 DEG C, hydrocarbon). (GLP): Get away from the scene to the fresh air quickly. Keep the airway open. If breathing is difficult, give oxygen. In case of respiratory arrest, do artificial respiration immediately. Seek medical treatment.

毒代动力学、代谢和分布信息: 无资料

TOXICOKINETICS, METABOLISM AND DISTRIBUTION INFORMATION: No information available

第十二部分 生态学信息

12. ECOLOGICAL INFORMATION

生态毒性: 鱼: LC50 大于 1000 毫克/升 (蓝鳃太阳鱼, 96h, GLP)

ECOTOXICITY: Fish: LC50 > 1000 mg/L (Lepomis macrochirus, 96h, GLP)

持久性和降解性: 辛醇-水分配系数 = 7.5-9.12, BOD = 64.1% (28d)

PERSISTENCE AND DEGRADATION: KOW = 7.5-9.12, BOD = 64.1% (28d)

潜在的生物累积性: BCF = 35

BIOACCUMULATIVE POTENTIAL: BCF = 35

土壤中的迁移性: KOC = 22000

MOBILITY IN SOIL: KOC = 22000

第十三部分 废弃处置

13. DISPOSAL CONSIDERATIONS

废弃处置方法:

DISPOSAL METHODS:

—残余废弃物: 直链烷基苯。

RESIDUAL WASTE: linear alkylbenzene.

—受污染的容器和包装: 不得重复利用未经处置或废弃盛装过本品的空容器。如果要重复利用和废弃污染的空容器, 应彻底清洗, 直到不存在本品为止; 清洗液应该进行无害化处理。

CONTAMINATED CONTAINERS AND PACKAGING: Do not reuse the empty container that are not disposed or discard the empty containers having contained this product. If you want to re-use and discard the contaminated empty containers, clean the container thoroughly until there is no product left; clean the container with cleaning solution for bio-safety disposal.

废弃注意事项: 废弃处置前应参阅国家和地方有关法规。尽可能回收利用。如果不能回收利用, 采用焚烧方法进行处置。焚烧本品时会产生一氧化碳、二氧化碳, 应该与能够完全燃烧的油类、溶剂等燃料在焚烧炉中一起焚烧。尽可能维持高温焚烧; 产生的废气应进行无害化治理。

DISPOSAL CONSIDERATIONS: Before disposal, refer to national and local regulations. Recycle the product as much as possible. If the product cannot be recycled, use the incineration method for disposal. During the incineration of this product, it may produce carbon monoxide, carbon dioxide, burn with the fuels that can burn completely such as oils and solvents at an incinerator. Keep the incineration at a high temperature as far as possible; the waste gas coming from burning should be harmless treatment.

第十四部分 运输信息

14. TRANSPORTATION INFORMATION

联合国危险货物编号 (UN 号): 没有关于危险货物运输分类的信息

UN DANGEROUS GOODS NUMBER (UN NUMBER): No information on classification of hazardous materials transportation

联合国运输名称: 不适用

UN TRANSPORTATION NAME: Not applicable

联合国危险性分类: 不适用

UN DANGER CLASSIFICATION: Not applicable

包装标志: 不适用

PACKAGE MARK: Not applicable

包装类别: 不适用

PACKAGE CATEGORY: Not applicable

包装方法: 保持容器密封。应与氧化剂分开存放, 切忌混储。

PACKAGE METHOD: Keep the container sealed. Separate from the oxidant, avoid mixing storage.

海洋污染物 (是/否): 不适用

MARINE POLLUTANT: Not applicable

运输注意事项: 运输前应先检查包装容器是否完整、密封, 运输时所用的槽罐车应有接地链, 槽内可设孔隔板以减少震荡产生静电; 装运该物品的车辆排气管必须配备阻火装置, 禁止使用易产生火花的机械设备和工具装卸; 严禁与强氧化剂、食用化学品等混装混运; 运输途中应防曝晒、雨淋, 防高温; 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; 运输车辆应配备相应品种和数量的消防器材及泄漏应急处理设备。

TRANSPORTATION PRECAUTIONS: Before transportation, check if the packaging container is complete and sealed, tank wagons used for transportation should have grounding chains, the tank can be set a separator to reduce the production of static electricity; the vehicle exhaust pipe must be equipped with fire protection device, prohibit the use of mechanical equipment and tools handling that may produce sparks; strictly prohibit mixing transport with strong oxidants, edible chemicals and others; it should be anti-exposure, rain, high temperature during the transport; transport the product according to the provisions of the route, do not park at residential areas and densely populated areas; the vehicles should be equipped with the corresponding variety and quantity of fire equipment and leakage emergency treatment equipment.

第十五部分 法规信息

15. REGULATORY INFORMATION

组分 Component	A	B	C	D	E	F	G	H
$C_6H_5C_nH_{2n+1}$ ($n=10-13$)	未列入 unlisted	未列入 unlisted	未列入 unlisted	未列入 unlisted	未列入 unlisted	未列入 unlisted	未列入 unlisted	未列入 unlisted

- 【A】** 《危险化学品目录（2015）》，安监总局第 5 号公告
"Hazardous Chemicals Catalog (2015)", No.5 Notice, the State Administration of Work Safety
- 【B】** 《重点环境管理危险化学品目录》，环保部办公厅 2014 年第 33 号文
"List of Key Environmental Management of Dangerous Chemicals", Document No 33 in 2014, the Office of the Ministry of Environmental Protection
- 【C】** 《中国严格限制进出口的有毒化学品目录》，环保部 2013 年第 85 号公告
"List of Import and Export of Toxic Chemicals Strictly Restricted by China", Notice No. 85 in 2013, the Ministry of Environmental Protection
- 【D】** 《危险货物物品名表》，中国国家标准化管理委员会于 2012 年 5 月 11 日发布
"List of Dangerous Goods", released by the Standardization Administration of China on May 11, 2012
- 【E】** 《重点监管的危险化学品名录（第 1、2 批）》，安监总局 2011 年第 95 号和 2013 年第 12 号通知
"List of Key Regulatory Hazardous Chemicals(1st and 2nd batches)", Notice No. 95 in 2011 and Notice No.12 in 2013, the State Administration of Work Safety
- 【F】** 《中国进出口受控消耗臭氧层物质名录（第 1 到 6 批）》，环保部 2000-2012 年系列
"List of Substances Depleting Ozone Controlled by Import and Export in China (1st batch to 6th batch)", the Ministry of Environmental Protection, 2000 - 2012 Series
- 【G】** 《易制毒危险化学品名录（2011 年版）》，公安部 2011 年 11 月 25 日公告
"List of Hazardous Chemicals (Edition 2011)", the Ministry of Public Security, November 25, 2011
- 【H】** 《高毒物品目录》，卫生部 2003 年第 142 号通知
"List of Highly Toxic Substances", Notice No. 142 in 2003, the Ministry of Health

第十六部分 其他信息

16. OTHER INFORMATION

最新修订版日期: 2017/6/1

LATEST REVISION DATE: 2017/6/1

修改说明: 本 SDS 按照《化学品安全技术说明书 内容和项目顺序》(GB/T16483-2008) 和《化学品安全技术说明书编写指南》(GB/T17519-2013) 等标准修订。其中, 化学品 GHS 分类结果依据《危险化学品目录(2015 版) 实施指南(试行)》及《化学品分类和标签规范》(GB

30000.X-2013) 系列标准。

EXPLANATION OF THE REVISION: This SDS is revised in accordance with the “Safety Data Sheet for Chemical Products- Content and Order of Sections” (GB/T16483-2008) and the Guidelines for the “Compilation of Safety Data Sheet for Chemical Products” (GB/T17519-2013), etc. Among them, the chemical GHS classification results are based on the “Implementation Guidelines for Hazardous Chemicals Catalog (Edition 2015) (Trial)” and “Chemical Classification and Labeling” (GB 30000.X-2013).

参考文献: 联合国《关于危险货物运输的建议书 规章范本》、联合国《全球化学品统一分类和标签制度》。

REFERENCES: “Model Regulations on the Transport of Dangerous Goods”, “Global Harmonization of Classification and Labeling of Chemicals” by United Nations.

免责声明:

本 SDS 的信息仅适用于所指定的产品, 除非特别指明, 对于本产品与其他物质的混合物等情况不适用。本 SDS 只为那些受过适当专业训练的该产品的使用人员提供产品使用安全方面的资料。本 SDS 的使用者, 在特殊的使用条件下必须对该 SDS 的适用性作出独立判断。在特殊的使用场合下, 由于使用本 SDS 所导致的伤害, 本 SDS 的编写者将不负任何责任。

DISCLAIMER:

The information in this SDS applies only to the products specified, unless otherwise specified, and is not applicable to mixtures of this product with other substances. This SDS provides information on the safety of the use of the product only for those who have been professionally trained. The user of this SDS must make an independent judgment on the suitability of the SDS under special conditions of use. In the case of special use, the author of this SDS will not be held responsible for any damage caused by the use of this SDS.