

化学品安全技术说明书

Chemical Safety Data Sheet

根据 GB/T 16483-2008 标准和 GB/T 17519-2013 标准编写
Prepared based upon GB/T 16483-2008 and GB/T 17519-2013 Standards

喜孚深渗优质除锈润滑剂
Sea Foam Deep Creep Premium Penetrating Oil & Lubricant

1.0 版本 V1.0

生效日期: 2020年05月12日 Effective on: May 12, 2020

修订时间: 2020年05月12日 Revision Date: May 12, 2020

SDS 编号/NO.: CSSS-TCO-010-140825

第1部分 化学品及企业标识 SECTION 1. IDENTIFICATION

化学品中文名: **Chinese Name:** 喜孚深渗优质除锈润滑剂
化学品英文名: **English Name:** Sea Foam Deep Creep Premium Penetrating Oil & Lubricant
其他名称: **Other Name:** 无 N/A
产品代码: **Product Code(s):** DC14CN
成分信息: **Ingredient Information:** 参见第3部分 Refer to SECTION 3
产品的推荐用途与限制用途 **Recommended Use of the Chemical and Restriction on Use**
推荐用途: Recommended Use: 用于汽车、五金制品等, 清洁、防锈、润滑。
For automobile, hardware products and etc. Cleaning, rust Prevention and lubrication,
限制用途: Restriction: 无资料。N/A



供应商的详细信息 Supplier's Detailed Information

名称: **Name:** Sea Foam International, Inc.
地址: **Address:** 812 Burlington Drive, Suite 100 Bismarck, ND USA 58504
电子邮箱: **Email:** -
固定电话: **Telephone:** +1(701)751-7363
传真: **Fax:** -
应急咨询电话(24h): **24 Hr. Emergency Number** 0532-8388-9090

第2部分 危险性概述 SECTION 2. HAZARDS IDENTIFICATION

紧急情况概述: 包含在加压气雾罐中的透明液体, 具有石油烃的气味。极易燃气溶胶。蒸气比空气重, 并且聚集在狭窄和低洼的区域。密闭的容器内受压, 如果长时间暴露在过多的热量下可能会爆炸。分解会产生碳氧化物, 氮氧化物, 硫氧化物, 其他未确认的有机化合物, 刺激性的烟雾。吞咽及进入呼吸道可能致命。造成眼刺激。可能造成呼吸道刺激。可能造成昏昏欲睡或眩晕。

Emergency Overview: Clear liquid contained in a pressurized aerosol can. Petroleum hydrocarbon odor. Extremely flammable aerosol. Vapors are heavier than air and collect in confined and low-lying areas. Contains gas under pressure; may explode if heated. Decomposition products include carbon oxides; nitrogen oxides (NOx); Sulphur oxides; other unidentified organic compounds; irritating fumes and smoke. May be fatal if swallowed and enters airways. Causes eye irritation. May cause respiratory irritation. May cause drowsiness and dizziness.

GHS 危险性分类: GHS Hazardous Classification:

物理危险 Physical Hazard	气溶胶 Aerosol	类别 1 Category 1
健康危险 Health Hazard	严重眼睛损伤/眼睛刺激性 Serious eye damage/eye irritation	类别 2B Category 2B
	特异性靶器官毒性一次接触 Specific target organ toxicity – single exposure	类别 3 Category 3

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环境危险 Environmental Hazard

标签要素 Label Elements

象形图: Pictograms:



警示词: Signal Word:

危险性说明: Hazard Statement(s):

吸入危害 Aspiration toxicity

类别 1 Category 1

非此类 Not such

危险 DANGER!

极易燃气溶胶

压力容器: 遇热可爆

吞咽及进入呼吸道可能致命

造成眼刺激

可能造成呼吸道刺激

可能造成昏昏欲睡或眩晕

Extremely flammable aerosol.

Contains gas under pressure; may explode if heated.

May be fatal if swallowed and enters airways.

Causes eye irritation.

May cause respiratory irritation.

May cause drowsiness and dizziness.

防范说明 Precautionary Statement(s)

预防措施: Precautions:

远离热源/火花/明火/热表面。禁止吸烟。

切勿喷洒在明火或其他点火源上。

切勿穿孔或焚烧, 即使不再使用。

不要吸入粉尘/烟/气体/烟雾/蒸气/喷雾。

只能在室外或通风良好之处使用。

Keep away from heat, sparks and open flame - No smoking.

Do not spray on an open flame or other ignition source.

Do not pierce or burn, even after use.

Avoid breathing dust/fume/gas/mist/vapor/spray.

Use only outdoors or in a well-ventilated area.

事故响应: Incident Response:

如误吞咽: 立即呼叫解毒中心/医生。

如误吸入: 将受害人转移到空气新鲜处, 保持呼吸舒适的休息姿势。

如进入眼睛: 用水小心冲洗几分钟。如戴隐形眼镜并可方便地取出, 取出隐形眼镜。继续冲洗。

如感觉不适, 呼叫解毒中心或医生。

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不得诱导呕吐。

如仍觉眼刺激: 求医/就诊。

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses. Continue rinsing.

Call a POISON CENTER or doctor/physician if you feel unwell.

Do NOT induce vomiting.

If eye irritation persists, get medical advice/attention.

安全储存: Safe Storage:

存放在通风良好的地方。保持容器密闭。

存放处须加锁。

防日晒。不可暴露在超过 50 ° C /122 ° F 的温度下。

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

废弃处置: Disposal:

依据地方法规处置内装物/容器。

Dispose of contents/container in accordance with local regulation.

物理和化学危险:

Physical and Chemical Hazards:

极易燃气溶胶。蒸气比空气重,并且聚集在狭窄和低洼的区域。密闭的容器内受压,如果长时间暴露在过多的热量下可能会爆炸。分解会产生碳氧化物,氮氧化物,硫氧化物,其他未确认的有机化合物,刺激性的烟雾。

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Vapors are heavier than air and collect in confined and low-lying areas.

Contains gas under pressure; may explode if heated. Decomposition products include carbon oxides; nitrogen oxides (NOx); Sulphur oxides; other unidentified organic compounds; irritating fumes and smoke.

健康危害: Health Hazard:

吞咽及进入呼吸道可能致命。造成眼刺激。可能造成呼吸道刺激。可能造成昏昏欲睡或眩晕。

May be fatal if swallowed and enters airways. Causes eye irritation. May cause respiratory irritation. May cause drowsiness and dizziness.

环境危害: Environmental Hazard:

该产品对水环境无明显危害。No obvious harm to water environment.

其他危害: Other Hazard:

未发现本产品具有 GB30000.2-29 所列范围之外的其他危害性。

Other hazards, out of the scope of those are listed in GB30000.2-29, are not detected.

第3部分 成分/组成信息 SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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物质/混合物/物品: **Substance/Mixture/Article:** 混合物 Mixture

成分: **Ingredients:**

化学名称 Chemical Name	CAS 号 CAS #	浓度或浓度范围 (质量分数, %) Concentration
碳氢化合物混合物 Hydrocarbon blend	-	< 95%
异丙醇 Isopropanol	67-63-0	10.0 – 30.0 %
二氧化碳 Carbon dioxide	124-38-9	3.0 - 7.0 %

未被列明的成分包括: 1) 无分类的成分, 2) 低于 GB/T 17519 第 3.3 章节所要求的浓度限值的成分。

Unlisted ingredients include: 1) unclassified ingredients, 2) ingredients those are below the concentration limit required in Section 3.3 of GB/T 17519.

第4部分 急救措施 SECTION 4. FIRST-AID MEASURES

吸入: Inhalation:

立即将人员转移到新鲜空气处。如果呼吸停止, 请进行人工呼吸。如果呼吸困难, 则只能由合格的医务人员吸氧。就医。

Immediately remove person to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Get medical attention.

皮肤接触: Skin Contact:

脱去污染的衣服。用大量肥皂和水清洗。如果发生皮肤刺激: 求医/就诊。

Remove the contaminated clothing. Rinse with plenty of soap and water. If skin irritation occurs: get medical advice/attention.

眼睛接触: Eye Contact:

立即用大量水冲洗眼睛至少 15 分钟。就医。

Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

食入: Ingestion:

不太可能接触。立即寻求医疗护理/建议。不要催吐。切勿给失去知觉者从嘴里喂食任何东西。如果发生呕吐, 请保持低头, 以减少误吸的危险。

Not a likely route of exposure. Seek immediate medical attention/advice. Do not induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.

可能出现的急性和迟发效应:

吞咽及进入呼吸道可能致命。造成眼刺激。可能造成呼吸道刺激。可能造成昏昏欲睡或眩晕。

Most likely symptoms and effects, both acute and delayed:

May be fatal if swallowed and enters airways. Causes eye irritation. May cause respiratory irritation. May cause drowsiness and dizziness.

急救人员的个体防护:

务必让医务人员知道所涉及物质, 并采取防护措施以保护他们自己。

Personal Protection for First Responders:

Be sure to let medical personnel aware of the substance involved and take precautions to protect themselves.

对医生的特别提示: Special tips for doct

提供一般支持措施, 并根据症状进行治疗。一旦发生呼吸短促, 吸氧。给受害者保

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暖。观察患者。症状可能会延后发生。

Provide general supportive measures and treat the symptoms. In case of shortness of breath, give oxygen. Keep the victim warm. Observe the patient. Symptoms may occur with delay.

第5部分 消防措施 SECTION 5. FIRE-FIGHTING MEASURES

灭火剂 Extinguishing Media

适用的灭火剂:

Suitable Extinguishing Media:

不适用的灭火剂:

Unsuitable Extinguishing Media:

特别危险性:

Special Hazards arising from the substance or Mixture/Conditions of Flammability:

采用干化学品, 抗溶性泡沫, 二氧化碳, 雾状水灭火。

Dry chemical, anti-soluble foam, carbon dioxide and water fog.

避免使用直流水灭火, 以免造成物料飞溅, 致使火势扩散。

Do not use a solid water stream as it may scatter and spread fire.

极易燃气溶胶。蒸气比空气重, 并且聚集在狭窄和低洼的区域。密闭的容器内受压, 如果长时间暴露在过多的热量下可能会爆炸。分解会产生碳氧化物, 氮氧化物, 硫氧化物, 其他未确认的有机化合物, 刺激性的烟雾。

Extremely flammable aerosol. Vapors are heavier than air and collect in confined and low-lying areas. Closed containers are contained under pressure and may explode if exposed to excess heat for a prolonged period of time. Decomposition products include carbon oxides; nitrogen oxides (NOx); Sulphur oxides; other unidentified organic compounds; irritating fumes and smoke.

灭火注意事项及防护措施:

Special Precautions and Protective Measures for Firefighters:

消防员应佩戴自给式呼吸器, 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。用水冷却暴露在火灾中的容器并排放蒸气。隔离事故现场, 禁止无关人员进入。收容和处理消防水, 防止污染环境。

Firefighters should wear self-contained breathing apparatus and full-body protective gears to put out the fire from the upwind direction. Move containers from fire area to open area, if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame, and release vapors. Isolate the accident scene and restrict access to area. Contain and deal with the fire water to prevent possible environmental pollution.

第6部分 泄漏应急处理 SECTION 6. ACCIDENTAL RELEASE MEASURES

作业人员防护措施、防护装备和应急处置程序:

Personal Precautions, Protective Equipment and Emergency Procedures:

所有从事清理工作的人员都应穿戴适当的防护设备, 包括自给式呼吸器。保持所有其他人员在上风处并远离泄漏物/释放物。限制进入区域, 直到完成清理为止。有关个人防护, 参见第8部分。

All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Keep all other personnel

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环境保护措施: Environmental Precautions:	upwind and away from the spill/release. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 8. 避免释放到环境中。若泄漏到排水系统/水生环境中, 应通知当地主管部门。在确保安全的前提下, 采取措施防止进一步的泄漏或溢出。防止泄漏物进入水体、下水道、地下室或有限空间。 Avoid release to the environment. In case of spillage into drainage system/aquatic environment, local authority department shall be notified. Where safe to do so, take steps to prevent further leakage or spillage. Prevent runoff into water body, drains, sewers, basements or confined spaces.
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	除去所有火源。如果没有风险, 请阻止泄漏。仅使用无火花的工具。用惰性吸收材料吸收。请勿使用锯末等可燃吸收剂。拿起并转移到贴有正确标签的容器中。 Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Use only non-sparking tools. Soak up with inert absorbent material. Do not use combustible absorbents, such as sawdust. Pick up and transfer to properly labeled containers.
防止发生次生危害的预防措施: Precautions to prevent secondary hazards from occurring:	立即清理泄漏物, 避免再次泄漏。 Clean up spills immediately and prevent any further spills.

第7部分 操作处置与储存 SECTION 7. HANDLING AND STORAGE

操作注意事项 Precautions for safe handling

局部或全面通风:

Local or General Ventilation:

安全操作说明:

Instructions for Safe Operation:

预防措施:

Precaution Methods:

操作处置应在具备局部通风或全面通风换气设施的场所进行。

Use only at areas with local ventilation or general ventilation facilities.

操作人员应遵守操作流程并采用 SDS 第 8 部分推荐的个体防护装备。

Operators shall follow operating procedures and use personal protective equipment recommended in Section 8 of this SDS.

仅在通风良好的地方使用。避免吸入蒸气或薄雾。避免与眼睛, 皮肤和衣物接触。
加压容器: 即使在使用后也请勿刺穿或燃烧。远离热源, 火花和明火。- 禁止抽烟。
采取预防措施以防止静电释放。使用防爆通风设备。使用后请务必盖好盖子。使用本产品时请勿进食, 饮水或吸烟。空的容器中会留有残留物(液体和/或蒸气), 可能会造成危险。处理后要彻底清洗。

Use only in well-ventilated areas. Avoid breathing vapor or mist. Avoid contact with eyes, skin, and clothing. Pressurized container: Do not pierce or burn, even after use. Keep away from heat, sparks, and open flame. - No smoking. Take

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precautionary measures against static discharges. Use explosion-proof ventilating equipment. Always replace cap after use. Do not eat, drink, or smoke when using this product. Empty containers retain residue (liquid and/or vapor) and can be dangerous. Wash thoroughly after handling.

储存注意事项 Storage Precautions

安全储存的条件:

Conditions for Safe Storage:

存放在阴凉, 干燥, 通风良好的地方。存放处须加锁。应当明确标识存储区域, 没有障碍物, 并且只有经过培训和授权的人员才能进入。禁止抽烟。避免阳光直射。在存储区域内或附近配备适当的灭火器和溢出清理设备。

Store in a cool, dry, well-ventilated area. Store locked up. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. No smoking. Protect from sunlight. Have appropriate fire extinguishers and spill clean-up equipment in or near storage area.

应避免的物质:

Incompatible Materials:

安全包装材料:

强氧化剂, 酸, 腐蚀剂。

Strong oxidizing agents; Acids; Caustics.

储存于原容器中。

Store in the original container.

第8部分 接触控制和个体防护 SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

职业接触限值: Occupational Exposure Limits: 依据 GBZ 2.1,

异丙醇 (CAS#67-63-0): OELs (mg/m³): PC-TWA: 350, PC-STEL: 700

二氧化碳 (CAS#124-38-9): OELs (mg/m³): PC-TWA: 9000, PC-STEL: 18000

According to GBZ 2.1,

isopropanol (CAS#67-63-0): OELs (mg/m³): PC-TWA: 350, PC-STEL: 700

carbon dioxide (CAS#124-38-9): OELs (mg/m³): PC-TWA: 9000, PC-STEL: 18000

生物限值: Biological Limit:

未制定相应标准。

No relevant standards have been developed.

工程控制方法:

保持局部或全面通风。确保工作地点有安全沐浴, 清洗眼睛及身体的场所和安全护理地点。

Ventilation and Engineering Measures:

Provide local or general ventilation. Assure there is a safe place to shower, necessary facility to rinse eyes and body parts and safe care spot at the operation site.

个体防护设备 Personal Protection Equipment

呼吸系统防护: Respiratory Protection:

如超过职业接触限值, 建议使用 NIOSH / MSHA 认可的呼吸器。

If the TLV is exceeded, a NIOSH/MSHA-approved respirator is advised.

手防护: Hand Protection:

建议使用不渗透材料的手套。

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眼睛防护: Eye Protection:

Gloves impervious to the material are recommended.

处理该材料时, 必须戴化学防溅护目镜。全面罩也可能是必须的。

Chemical splash goggles must be worn when handling this material. A full-face shield may also be necessary.

皮肤和身体防护: Skin and Body Protection:

根据使用条件, 应穿着不渗透的围裙。

Based on the condition of use, an impervious apron shall be worn.

卫生措施: General Hygiene Considerations:

避免接触到眼睛。操作后应清洗双手。禁止在工作场所饮食。

Avoid contact with eyes, skin, and clothing. Wash hands after handling. Do not eat or drink at the operation site.

第9部分 理化特性 SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

外观与性状: Appearance and Traits:

包含在加压气雾罐中的透明液体

Clear liquid, contained in a pressurized aerosol can.

气味: Odor:

石油烃的气味/溶剂

Petroleum hydrocarbon odor/solvent.

气味阈值: Odor Threshold:

无资料 No information available.

分子式: Molecular Formula:

混合物不适用 Inapplicable to mixture.

相对分子量: Relative Molecular Weight:

混合物不适用 Inapplicable to mixture.

熔点/凝固点(°C): Melting/Freezing Point (°C)

无资料 No information available.

沸点/初沸点(°C):

180° F

Boiling Point/Initial Boiling Point (°C)

密度: Density:

无资料 No information available.

相对密度(水=1): Relative Density (water=1)

0.77 (浓缩物) 0.77 (condensate)

饱和蒸气压(kPa): Saturated Vapor Pressure:

80 - 90 psig

正辛醇/水分配系数:

无资料 No information available.

N-octanol/Water Partition Coefficient:

在水中的溶解度:

微溶 Slightly soluble

Solubility in Water

在有机溶剂中的溶解度:

无资料 No information available.

Solubility in Organic Solvents

闪点(°C): Flash Point (°C)

54°F

自燃温度(°C): Auto-ignition Temperature(°C)

无资料 No information available.

燃烧极限-下限(%):

无资料 No information available.

Combustion Limit-Lower Limit (%)

燃烧极限-上限(%):

无资料 No information available.

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Combustion Limit-Upper Limit (%)

分解温度 (°C): 无资料 No information available.

Decomposition Temperature (°C)

易燃性 (固体、气体): 无资料 No information available.

Flammability (Solid, Gas):

爆炸性: Explosive: 非爆炸性 Non-explosive

氧化性: Oxidative: 无资料 No information available.

爆炸极限-下限 (%): 2.1 (推进剂) 2.1 (propellant)

Explosion Limit-Lower Limit (%)

爆炸极限-上限 (%): 8.5 (推进剂) 8.5 (propellant)

Explosion Limit-Upper Limit (%)

pH 值: pH: 无资料 No information available.

黏度 (mPa · S) Viscosity (mPa · S) 无资料 No information available.

相对蒸气密度 (空气=1): > 1

Relative Vapor Density (air=1)

相对蒸发速率 (乙酸正丁酯=1): > 1 比乙醚慢

Relative Evaporation Rate (n-butyl acetate=1) > 1 slower than ether

燃烧热: 34 kJ/g

Heat of Combustion:

火焰投射长度: > 15 cm 且 < 100 cm

Flame Throw Length: > 15 cm and < 100 cm

第10部分 稳定性和反应性 SECTION 10. STABILITY AND REACTIVITY

稳定性: Chemical Stability: 本产品正常环境温度下储存和使用时, 是稳定的。

Stable under normal storage and handling conditions.

危险反应的可能性: 本产品正常使用条件下, 没有发生危险反应的可能性。

Possibility of Hazardous Reactions Hazardous polymerization does not occur under normal use conditions.

应避免的条件: Conditions to Avoid: 不相容物。避免高温和明火。

Avoid contact with incompatible materials. Avoid heat and open flame.

不相容的物质: Incompatible Materials: 强氧化剂, 酸, 腐蚀剂。

Strong oxidizing agents; Acids; Caustics.

危险的分解产物: 碳氧化物, 氮氧化物, 硫氧化物, 其他未确认的有机化合物, 刺激性的烟雾。

Hazardous Decomposition Products: carbon oxides; nitrogen oxides (NOx); Sulphur oxides; other unidentified organic compounds; irritating fumes and smoke.

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第11部分 毒理学信息 SECTION 11. TOXICOLOGICAL INFORMATION

急性毒性: Acute Toxicity:

异丙醇 (CAS#67-63-0) Isopropanol (CAS#67-63-0)

LD50 (经口, 大鼠): 5.84 g/kg

LD50 (oral, rat):

LD50 (经皮, 兔子): 16.4 mL/kg bw

LD50 (percutaneous, rabbit):

LC50 (吸入, 大鼠): 无资料 No information available.

LC50 (inhalation, rat):

皮肤刺激或腐蚀: Skin Irritation or Corrosion: 非此类 Not such.

眼睛刺激或腐蚀: Eye Irritation or Corrosion: 造成眼刺激。Causes eye irritation.

呼吸或皮肤过敏: 非此类 Not such.

Respiratory or Skin Allergy:

生殖细胞致突变性: Germ Cell Mutagenicity: 非此类 Not such.

致癌性: Carcinogenicity: 非此类 Not such.

生殖毒性: 非此类 Not such.

Reproductive effects and teratogenicity:

特异性靶器官系统毒性-一次接触: 可能造成呼吸道刺激。可能造成昏昏欲睡或眩晕。

Specific Target Organ Toxicity-Single Exposure: May cause respiratory irritation. May cause drowsiness or dizziness.

Exposure

特异性靶器官系统毒性-反复接触: 非此类 Not such.

Specific Target Organ Toxicity-Repeated

Exposure

吸入危害: Aspiration Hazard: 吞咽及进入呼吸道可能致命。May be fatal if swallowed and enters airways.

第12部分 生态学信息 SECTION 12. ECOLOGICAL INFORMATION

生态毒性 Ecotoxicity

异丙醇 (CAS#67-63-0) Isopropanol (CAS#67-63-0)

LC50 (鱼类, 96h): LC50 (fish, 96h): 9640 mg/L

EC50 (溞类, 48h): EC50 (flea, 48h): 无资料 No information available.

EC50 (藻类, 72h): EC50 (algae, 72h): 无资料 No information available.

持久性和降解性:

无资料 No information available.

Persistence and Degradability:

潜在的生物累积性:

无资料 No information available.

Bioaccumulation Potential:

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土壤中的迁移性:

无资料 No information available.

Mobility in Soil:

第13部分 废弃处置 SECTION 13. DISPOSAL CONSIDERATIONS

废弃化学品: Waste Chemicals:

尽可能回收利用, 如不能回收利用, 采用焚烧方法进行处置。不得采用排放到下水道的方式废弃处置本品。

Recycle as much as possible. If it cannot be recycled, dispose it by incineration. Do not dispose the product by channeling it into the sewer.

受污染包装: Contaminated Packaging:

空的容器或衬垫可能保留有一些产品的残留物, 所以即使空容器也要注意标签警示。这些材料及其容器必须以安全的方式废弃处置。空容器应返还生产商或者送到经国家/地方批准的废物处理场所。

There could be product residue left in the empty container or the liner, therefore be aware of the warning label even if dealing with empty containers. These materials and containers shall be disposed in a safe manner. Return empty containers to the manufacturer or send them to a state/regional approved waste disposal facility.

废弃注意事项: Disposal Precautions:

废弃处置前应参照国家和地方有关法规, 将废弃化学品进行回收再生, 或装在密封的容器中, 送至专门的废物处理场所。

Before disposal, please recycle the waste chemical in accordance with the relevant national or regional laws and regulations, or place it in a sealed container before sending to a state/regional approved waste disposal facility.

第14部分 运输信息 SECTION 14. TRANSPORTATION INFORMATION

联合国危险货物编号 (UN 号):

UN1950

United Nations Dangerous Goods Number

(UN No.)

联合国运输名称: UN Proper Shipping Name:

气雾剂 Aerosol

联合国危害性分类: UN Hazard Class(es):

2.1

包装类别: Packing Group:

-

海洋污染物 (是/否):

否 No

Marine Pollutants (Yes/No):

运输注意事项: Cautions During Transportation:

——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;

The tank truck used for transportation shall be equipped with a grounding chain, and partitions with holes can be placed in the tank so as to reduce unnecessary movement that would generate static electricity;

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——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;

The exhaust pipe of the vehicle carrying this item must be equipped with a flame arrester, and the use of mechanical equipment and tools that are prone to sparks is prohibited for loading and unloading;

——严禁与氧化剂、食用化学品等混装混运; It is strictly forbidden to mix and transport with oxidizing agents, food chemicals and etc.

——运输途中应防曝晒、雨淋, 防高温, 夏季最好早晚运输;

During the transportation, it shall be protected from exposure to sunlight, rain, and heat, and if it is summertime, it is best to arrange the transportation in the morning and evening;

——中途停留时应远离火种、热源、高温区; During the stopover, stay away from fire, heat sources and high temperature areas;

——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;

When transporting by road, drive by the route, and do not stop at any residential areas and densely populated places;

——铁路运输时要禁止溜放; When transporting by rail, it is forbidden to do humping;

——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。

Vehicles for transportation shall be equipped with firefighting equipment and spillage/leakage emergency handling equipment of the proper variety and quantity.

第15部分 法规信息 SECTION 15. REGULATORY INFORMATION

下列法律、法规、规章和标准, 对该化学品的管理作了相应规定:

It is regulated in the following laws, regulations, rules and standards, over the management of the chemical:

法规名称 Laws and Regulations	涉及名录 List/Catalog Involved	具体情况 Details
危险化学品安全管理条例 Regulation on the Safety Management of Hazardous Chemicals	危险化学品目录 List of Dangerous Articles	碳氢化合物混合物未知, 异丙醇, 二氧化碳列入 Hydrocarbon mixture unknown, isopropanol, carbon dioxide listed
	首批重点监管的危险化学品名录 Inventory of Dangerous Articles under the Key Supervision (first batch) ¹	碳氢化合物混合物未知, 异丙醇, 二氧化碳未列入 Hydrocarbon mixture unknown, isopropanol, carbon dioxide not listed
新化学物质环境管理办法 Measures for Environment Management of New Chemical Substances	中国现有化学物质名录 Inventory of Existing Chemical Substances in China	碳氢化合物混合物未知, 异丙醇, 二氧化碳列入 Hydrocarbon mixture unknown, isopropanol, carbon dioxide listed
化学品首次进口及有毒化学品进出口环境管理规定 the Provisions on the Environmental Administration of First Import of Chemicals	中国严格限制进出口的有毒化学品目录 Catalog of China Strictly Restricted Import and Export of Toxic Chemicals	碳氢化合物混合物未知, 异丙醇, 二氧化碳未列入 Hydrocarbon mixture unknown, isopropanol, carbon dioxide not listed

¹ It is translated by Kelly here, not necessarily the official English name used in the regulation.

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and Import and Export of Toxic Chemicals

第16部分 其他信息 SECTION 16. OTHER INFORMATION

编写和修订信息: Drafting and Revision Information:

按照《化学品安全技术说明书 内容和项目顺序》(GB/T16483)标准和《化学品安全技术说明书编写指南》(GB/T17519)标准,对前版 SDS 进行修订。

The previous version of SDS is revised in accordance with the standards of "Safety Data Sheet for Chemical Products-Content and Order of Sections" (GB/T16483) and "Guidance on the Compilation of Safety Data Sheet for Chemical Products" (GB/T17519).

缩略语和首字母缩写: Abbreviations and Acronyms:

CAS: 化学文摘号 Chemical Abstracts Number

LC50: 半数致死浓度 Median Lethal Concentration

EC50: 半数影响浓度 Half Effect Concentration

LD50: 半数致死剂量 Median Lethal Dose

PC-TWA: 时间加权平均容许浓度,以时间为权数规定的8h工作日、40h工作周的平均容许接触浓度

PC-TWA: Permissible Concentration - Time-weighted Average, the average permissible exposure contraction of 8h workday, 40h workweek specified with time as the weight.

PC-STEL: 短时间接触容许浓度,指在遵守PC-TWA的前提下,允许短时间(15分钟)接触的浓度

PC-STEL: Permissible Concentration - Short-Term Exposure Limit, refers to the concentration that permits short-term (15 minutes) exposure under the premise of complying with PC-TWA

IARC: 国际癌症研究机构 International Agency for Research on Cancer

ACGIH: 美国政府工业卫生学家会议 American Conference of Governmental Industrial Hygienists

ADR: 《关于危险货物道路国际运输的欧洲协议》

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road

RID: 《国际危险货物铁路运输欧洲协议》

RID: European Agreement Concerning the International Carriage of Dangerous Goods by Rail

IMDG: 国际海运危规则 International Maritime Dangerous Goods Code

IATA: 国际航空运输协会 International Air Transport Association

ICAO-TI: 国际民用航空组织《国际民航公约》International Civil Aviation Organization <Convention on International Civil Aviation>

免责声明: Disclaimer:

本安全技术说明书(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。本安全技术说明书(SDS)是基于当前已知的各方面信息编写,对其长期的时效性,编写者将不负任何责任。本安全技术说明书(SDS)只为受过适当培训的本产品操作人员提供产品使用安全方面的资料。本安全技术说明书(SDS)的使用者,在特殊的使用条件下,必须对本安全技术说明书(SDS)的适用性作出独立判断。在特殊的使用场合下,由于使用本安全技术说明书(SDS)所导致的伤害,安全技术说明书(SDS)的编写者将不负任何责任。每一位产品使用者应在操作前仔细阅读本安全技术说明书(SDS)的

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各项内容。如需更多信息以保证正确的评估, 请联系产品供应商。

The information in this Safety Data Sheet (SDS) applies to the product specified only, unless otherwise suggested, it does not apply to the mixture of the product and other substance(s). This Safety Data Sheet (SDS) is prepared based upon all currently known information, and the author will not be responsible for the long-term timeliness of it. This safety Data Sheet (SDS) is intended only for reference of the product operators who are properly trained in the respect of the safe use of the product. Users of this Safety Data Sheet (SDS) must make independent judgments on the applicability of the document under special conditions of use. In special occasions of use, the author of this Safety Data Sheet (SDS) will not be held responsible for any injuries caused by the use of this Safety Data Sheet (SDS). Every product user shall read the content of this Safety Data Sheet (SDS) carefully before the operation. For more information to ensure proper evaluation, please contact the product supplier.

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