



# MSDS

## 化学品安全技术说明书

### Material Safety Data Sheet

报告编号/ Report No. .... : WTN22F08177451C

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Zhejiang Vinon Machinery Co., Ltd  
浙江省桐乡市同心路528号

地址/ Address ..... : No. 528 Tongxin Road, Tongxiang City, Zhejiang  
Province

样品名称/ Sample Name ..... : 记号笔/ Tile Marking Pencil

样品型号/ Sample Model ..... : 2680580110

批号/ Item No. .... : 2680580110

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Page 1 of 12

WT-F-510-3003-06-A

# MSDS



## 化学品安全技术说明书

### Material Safety Data Sheet

#### 第1部分 - 化学品及企业标识

#### Section 1 - Chemical Product and Company Identification

产品名称: 记号笔

**Product Name:** Tile Marking Pencil

电话: 18890555185

**Tel:** 18890555185

联系人: Grace Luo

**Contacts:** Grace Luo

邮箱: grace@vinongroup.com

**Email:** grace@vinongroup.com

应急电话: 18890555185

**Emergency phone number:** 18890555185

#### 第2部分 - 危险性概述

#### Section 2 - Hazards Identification

按照法规(EC) No 1272/2008的分类: 根据欧洲委员会(EC)第1272/2008号规例, 该产品不属于危险化学品。

**Classification according to Regulation (EC) No 1272/2008:** The product is not a dangerous chemical according to Regulation (EC) No 1272/2008.

危险性类别: 正常情况下, 该产品是稳定, 无危害的。

**Hazard category:** Under normal circumstances, the product is stable and harmless.

信号词: 无

**Signal word(s):** None

侵入途径: 皮肤接触、眼睛接触、吸入、摄入。

**Invasion way:** Skin contact, eye contact, inhalation, ingestion.

急性接触的结果: 急性中毒多发生于口服。一般可分为兴奋、催眠、麻醉、窒息四阶段。患者进入第三或第四阶段, 出现意识丧失、瞳孔扩大、呼吸不规律、休克、心力循环衰竭及呼吸停止。

**Results of acute exposure:** Acute poisoning mostly occurs orally. Generally can be divided into four stages of excitement, hypnosis, anesthesia, asphyxia. Patient enters the third or fourth stage with loss of



# MSDS

consciousness, dilated pupils, irregular breathing, shock, heart failure, and respiratory arrest

**慢性影响:** 在生产中长期接触高浓度本品可引起鼻、眼、粘膜刺激症状, 以及头痛、头晕、疲乏、易激动、震颤、恶心等。

**Chronic effects:** Long-term exposure to high concentrations of this product during production can cause irritation of the nose, eyes, and mucous membranes, as well as headaches, dizziness, fatigue, irritability, tremors, nausea, etc.

**健康危害:** 皮肤接触: 常温下接触产品对健康没有危害, 接触高温的燃烧产物可能会引起皮肤刺激。

眼睛接触: 正常情况下, 不会接触眼睛。若接触高温的燃烧产物, 会引起刺激, 甚至有可能损害眼睛。

吸入: 正常情况下, 不会吸入。若吸入高温的燃烧产物, 可能造成呼吸道的刺激。

摄入: 若误食可能会引起口腔和消化道的刺激、损害。

## Health hazards:

**Skin touch:** Contact with the product at normal temperature is not harmful to health, and exposure to high temperature combustion products may cause skin irritation.

**Eyes touch:** Under normal circumstances, no contact with the eyes. Exposure to high temperature combustion products can cause irritation and may even damage the eyes.

**Inhalation:** Under normal circumstances, it will not be inhaled. If high temperature combustion products are inhaled, it may cause irritation of the respiratory tract.

**Ingestion:** If eaten by mistake, it may cause irritation and damage to the mouth and digestive tract.

**其他危害/ Other hazards:** None/无

## 第3部分 - 成分/组成信息

### Section 3 - Composition/information on Ingredient

物质 Substances  混合物 Mixtures

组成 Composition:

化学名称 Chemical Name	含量 (%) Content (%)	美国化学文摘登记号 CAS No.
记号笔/Marker	硬脂酸/ Stearic acid	28 57-11-4
	石蜡/ Paraffin	25 8002-74-2
	黄蜂蜡/ Beeswax	5 /

# MSDS



单甘酯/ Monostearin	5	123-94-4
白油/ Mineral oil	3	8042-47-5
高领土/ High territory	20	/
色粉/ Toner	14	/

备注 /Note: 该成分表信息由客户提供/ This ingredient list information is provided by the customer.

## 第4部分 - 急救措施

### Section 4 – First Aid Measures

**皮肤接触:** 万一接触到该样品, 脱去污染的衣服, 迅速用大量清水冲洗。

**Skin touch:** In case of exposure to the sample, take off the contaminated clothes and flush with plenty of water.

**眼睛接触:** 一旦该样品接触到眼睛, 迅速用大量清水冲洗。若患者带有隐形眼镜, 应在冲洗前移去隐形眼镜。不要让患者揉眼睛, 寻求医学救助。

**Eyes touch:** In case of the sample contact with eyes, rinse immediately with plenty of water. Have the victims remove contact lenses if he is wearing them before rinsing. Do not let the victims rub his eyes. Get medical aid.

**吸入:** 应将患者转移至空气清新处, 保持呼吸道畅通。若呼吸困难, 给予氧气。寻求医学救助。

**Inhalation:** Remove the victims to the fresh air and keep the respiratory tract smooth. Use oxygen if breathing is difficult. Get medical aid.

**吞咽:** 万一误食此产品, 立即漱口, 切勿给失去知觉者喂食任何东西。寻求医学救助。

**Ingestion:** If accidentally eat the product, rinsing mouth with water. Never give anything by mouth to an unconscious person. Get medical aid.

## 第5部分 - 消防措施

### Section 5 – Fire Fighting measures

**灭火介质:** 水雾, 泡沫, 干粉, 二氧化碳等。

**Extinguishing media:** Misty water, foam, dry powder, CO<sub>2</sub>, etc.

**危险特性:** 常温下稳定。

**Danger characteristic:** Stable at room temperature.

# MSDS



**有害的燃烧产物：**一氧化碳，二氧化碳等。

**Hazardous combustion products:** Carbon monoxide, carbon dioxide, etc.

**源于此物质或混合物的特别的危害：**易燃，其蒸气与空气可形成爆炸性混合物，遇明火、高温能引起燃烧爆炸。与氧化剂接触发生化学反应或引起燃烧。在火场中，受热的容器有爆炸危险。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。

**Special hazards arising from the substance or mixture:** It is flammable, and its vapor can form explosive mixture with air. It can cause explosion when exposed to open flame and high heat energy. Contact with an oxidant to cause a chemical reaction or cause combustion. In a fire scene, heated containers are at risk of explosion. Its vapor is heavier than air, and can spread to a relatively low place at a lower place.

**给消防员的建议：**工作人员必须配备过滤式防毒面具或独立呼吸装置，并穿上可以防御火灾和有毒气体的衣服。在上风向的区域扑灭火焰。在火灾现场，往着火点喷水以降低温度直到火焰被完全扑灭。

**Advice for fire fighters:** The staff must be equipped with filtermask (full mask) or isolated breathing apparatus. The staff must wear the clothes which can defence the fire and the toxic gas. Put out fire in the upwind direction. Spraying water on the product in the fireplace to keep them cool until finish extinguishment.

## 第6部分 – 泄露应急处理

### Section 6 – Accidental Release Measures

**个人防护措施，防护装备和应急措施：**使用个人防护设备，避免吸入该类样品蒸气、雾或气体。确保足够的通风。人员撤离到安全区域。个人防护参考第8部分。

#### **Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment. Avoid breathing the sample vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

For personal protection see section 8.

**环境保护措施：**在安全的情况下，采取防止进一步泄漏或溢出的措施。不要让产品进入下水道。

#### **Environmental precautions:**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**化学品的清理方法及所使用的处置材料：**保证充分的通风。把固体废弃物转移至合适的容器中。

**Methods and materials for containment and cleaning up:** Ensure adequate ventilation. Collect the waste in proper close containers.

**参考其他部分：**丢弃处理请参阅第13部分。

**Reference to other sections:** For disposal see section 13.

## 第7部分 – 操作处置与储存

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## Section 7 – Handling and storage

**安全操作的注意事项：**操作人员必须进行专门培训，严格遵守操作规程。远离热源、火源。配备相应品种和数量的消防器材等应急处理设备。

**Precautions for safe handling:** Operators must be trained technically and comply with the operation procedures strictly. Keep away from heat source and open flame. Equip with corresponding varieties and number of fire equipment and emergency equipment.

**安全储存的条件，包括任何不兼容性：**储存在阴凉的地方。在干燥，通风良好的地方保持容器紧闭。与氧化剂、酸类、碱类分开存放。配备相应品种和数量的消防器材等应急处理设备。

**Conditions for safe storage, including any incompatibilities:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Separated from oxidant, acid and alkali. Equip with corresponding varieties and number of fire equipment and emergency equipment.

## 第8部分 – 接触控制和个人防护

### Section 8 – Exposure controls, Personal Protection

**控制参数：**没有可使用的信息。

**监控方法：**没有可使用的信息。

**工程控制：**按照工业卫生和安全规范进行处理。在休息前和结束工作后洗手。

**呼吸系统防护：**正常使用不需要特殊防护，高浓度接触时可佩戴过滤式防毒面具（半面罩）。

**眼/面防护：**正常使用不需特殊防护。

**个人防护：**一般防护与卫生措施。遵循处理化学品的一般预防措施。远离食品，饮料和食物。避免接触眼睛。

**手防护：**戴手套处理。

**其他防护：**无

**Control parameters:** No information is available.

**Monitoring Method:** No information is available.

**Engineering Control:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Respiratory Protection:** Generally, no special protection is required. Filter-type gas masks (half-masks) can be worn when exposed to high concentrations.

**Eyes/face Protection:** Generally, no special protection is required.

**Body protection:** General protection and hygiene measures. Follow general precautions for handling chemicals. Stay away from food, drinks and food. Avoid eye contact.

**Hands Protection:** Handle with gloves.

**Other Protections:** None

# MSDS



## 第9部分 – 理化特征

### Section 9 – Physical and Chemical Properties

外观：条状

颜色：红色

味道：无

pH值：没有可使用的信息。

沸点：没有可使用的信息。

熔点：没有可使用的信息。

闪点：没有可使用的信息。

密度：没有可使用的信息。

空气中的可燃（爆炸）上限（体积%）：没有可使用的信息。

氧化特性：没有可使用的信息。

气压：有可使用的信息。

水溶性：有可使用的信息。

分配系数（正辛烷/水）：没有可使用的信息。

粘度：没有可使用的信息。

蒸汽密度：没有可使用的信息。

蒸发速度：没有可使用的信息。

燃点温度：没有可使用的信息。

**Appearance:** Strip

**Colour:** Red

**Odour:** None

**pH Value:** No information is available.

**Boiling point:** No information is available.

**Melting Point:** No information is available.

**Flashpoint:** No information is available.

**Density:** No information is available.

**Upper flammable (explosive) limits in air-Lower (vol%)-UEL:** No information is available.

**Oxidising properties:** No information is available.

**Vapour pressure:** No information is available.

**Solubility in water:** No information is available.

**Partition coefficient (n-octanol / water):** No information is available.

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<http://www.waltek.com.cn>

Page 7 of 12

WT-F-510-3003-06-A

# MSDS



**Viscosity:** No information is available

**Vapour density:** No information is available

**Evaporation rate:** No information is available

**Ignition temperature:** No information is available.

## 第10部分 – 稳定性和反应性

### Section 10 – Stability and Reactivity

**反应性:** 常温下物质稳定。

**化学稳定性:** 在推荐的储存条件下稳定。

**危险反应:** 无

**应避免的条件:** 防潮湿。

**不相容的物质:** 强氧化剂。

**危险的分解产物:** 没有可使用的信息。

**Reactivity:** Stable at room temperature.

**Chemical stability:** Stable under recommended storage conditions.

**Possibility of hazardous reactions:** No information is available.

**Conditions to avoid:** Moisture-proof.

**Incompatible materials:** Strong oxidants

**Hazardous decomposition products:** Carbon dioxide

## 第11部分 – 毒理学信息

### Section 11 – Toxicological Information

**急性毒性:** 小鼠静脉注射LC50:  $23 \pm 0.7 \text{mg/kg}$ ; 大鼠静脉注射LC50:  $21.5 \pm 1.8 \text{mg/kg}$  (硬脂酸)。大鼠经口LD50:  $4000 \text{mg/Kg}$ ; 兔经皮LD50:  $4720 \text{mg/Kg}$  (白油)。

**亚毒性和慢性毒性:** 没有可使用的信息。

**刺激:** 没有可使用的信息。

**致敏作用:** 没有可使用的信息。

**致突变作用:** 没有可使用的信息。

**致癌性:** 没有可使用的信息。

**生殖毒性:** 没有可使用的信息。

**特异性靶器官系统毒性 (一次接触):** 没有可使用的信息。

**特异性靶器官系统毒性 (反复接触):** 没有可使用的信息。



# MSDS



**吸入危险:** 没有可使用的信息。

**其他:** 无

**Acute Toxicity:** Intravenous injection in mice LC50:  $23 \pm 0.7$ mg/kg; intravenous injection in mice LC50:  $21.5 \pm 1.8$ mg/kg (Stearic acid). Oral LD50 of rats: 4000mg / kg; Rabbit percutaneous LD50: 4720mg / kg (Mineral oil).

**Sub-acute and Chronic Toxicity:** No information is available.

**Irritation:** No information is available.

**Sensitization:** No information is available.

**Mutagenicity:** No information is available.

**Carcinogenicity:** No information is available.

**Reproductive toxicity:** No information is available.

**Specific target organ toxicity - single exposure:** No information is available.

**Specific target organ toxicity - repeated exposure:** No information is available.

**Aspiration hazard:** No information is available.

**Others:** None

## 第12部分 – 生态学信息

### Section 12 – Ecological Information

**生态毒性:** 该物质对环境可能有危害，对水体应给予特别注意。

**持久性和降解性:** 没有可使用的信息。

**潜在的生物累积性:** 没有可使用的信息。

**土壤中的迁移性:** 没有可使用的信息。

**PBT和vPvB的结果评价:** 没有可使用的信息。

**其它不良影响:** 无

**Eco-toxicity:** This substance may be harmful to the environment. Special attention should be paid to water bodies.

**Persistence and degradability:** No information is available.

**Bioaccumulative potential:** No information is available.

**Mobility in soil:** No information is available.

**Results of PBT and vPvB assessment:** No information is available.

**Other adverse effects:** None

## 第13部分 – 废弃处置

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## Section 13 – Disposal Considerations

**废弃物特性：** 处置前应参阅国家和地方有关法规。

**废弃物处置的方法：** 处置前应参阅国家或地方有关法规。建议用焚烧法处置。

**处置的注意事项：** 未经稀释的产品不能进入下水道系统。

**Nature of waste:** Please refer to relevant national and local regulations before disposal.

**Waste disposal methods:** Refer to national or local regulations before handling. Recommended incineration.

**Attention abandoned:** Undiluted product cannot enter the sewer system.

## 第14部分 – 运输信息

### Section 14 - Transport information

**联合国危险货物编号 (UN)：** 没有可使用的信息。

**联合国危险性分类：**

**包装组：** 没有可使用的信息。

**正式运输名称：** 记号笔

**包装标志：** 没有可使用的信息。

**包装方法：** 封存密闭包装

**运输方式：** 海运，公路，空运，铁路

**运输注意事项：** 运输前应先检查包装是否完整、密封，运输过程中要确保产品不倒塌，不坠落、不损坏。运输过程中防止暴晒，雨淋，高温。中途停留时应远离火种、热源。严禁与氧化剂、酸类等混装混运。船运时，应与机舱、电源、火源等部位隔离。公路运输时要按规定路线行驶。

**UN Number:** No information is available.

**Class:**

**Packing group:** No information is available.

**Proper shipping name:** Marker

**Packaging Mark:** No information is available.

**Packaging Method:** Sealed airtight packing

**Transport Fashion:** By sea, by road, by air, by railway.

**Transport Attentions:** Examine whether the packages are integrate and sealed or not before transport. No collapse, no fall or no damage during the course of transportation. Prevent the product from exposing to the sun, the rain and high temperature. Stopovers should be away from fire and heat sources. It is strictly prohibited to mix and transport with oxidants and acids. When shipping, it should be isolated from the engine room, power source and fire source. When transporting by road, follow the prescribed route.

# MSDS



## 第15部分 – 法规信息

### Section 15 – Regulatory Information

ISO 11014-2009 化学品安全技术说明书 — 内容和项目顺序

法规(EC) No 1272/2008 关于物质和混合物分类、标签和包装的法规，并修订和废止指令67/548/EEC和1999/45/EC及修订条例(EC) No 1907/2006

法规(EU) No 453/2010 修订关于化学品注册、评估、授权和限制 (REACH) 的欧洲议会和理事会条例

IMDG Code 国际海运危险货物规则 (40-20版)

IATA 国际航空运输协会 2022 第63版

关于危险货物道路国际运输的欧洲协议 (ADR)

铁路危险货物国际运输规则 (RID)

美国交通运输部 (DOT)

全球化学品统一分类和标签制度 (GHS)

#### Regulatory Information:

ISO 11014-2009 Safety data sheet for chemical products – Content and order of sections.

REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

REGULATION (EU) No 453/2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

The international Maritime Dangerous Goods (IMDG) Code (inc Amdt 40-20)

International Air Transport Association (IATA) Dangerous Goods Regulations 63<sup>rd</sup>, 2022

The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)

The Regulations Concerning the International Transport of Dangerous Goods by Rail (RID)

U.S. Department of Transportation (DOT)

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

## 第16部分 – 其他信息

### Section 16 – Additional Information

上述信息是基于客户所提供资料的数据信息，在实际应用过程中，可能出现其他未预料的情况，其相应信息可能需要修改，我方不承担相应责任，在操作中请根据实际情况做出相应的正确处理。

The above information is based on the data that the client supplied of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest

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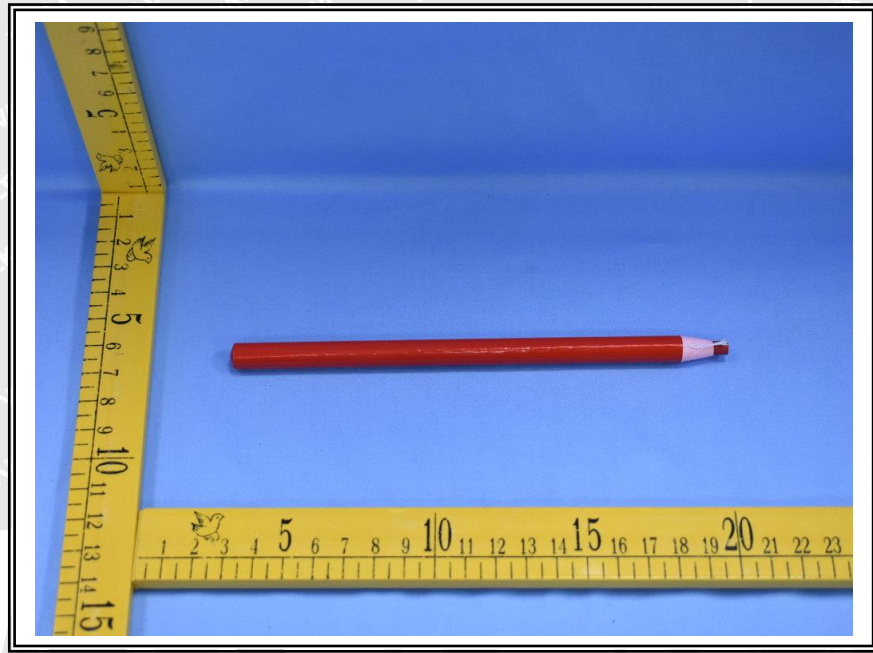
WT-F-510-3003-06-A



# MSDS

modifications of the information, we do not assume any responsibility for the result of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for this particular purpose.

## 样品图片 /Sample photo:



## 备注/ Remarks:

1. 检验检测结果仅对测试样品负责;  
The results shown in this test report refer only to the sample(s) tested;
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