

化学品安全技术说明书

Material Safety Data Sheet

第一部分：化学品及企业标识

Section 1: Chemical product and Company Identification

化学品名称：热敏可擦墨水

Product name: Hot-erasable Ink

生产企业/供应商名称：合肥瑞雪新材料科技有限公司

Manufacturer/Supplier: Hefei Ruixue New Material Technology Co., Ltd

生产企业/供应商地址：中国安徽省合肥市高新区冬梅路3号

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第二部分：危险性概述

Section 3: Hazards Identification

侵入途径：皮肤、摄食、吸入。

Route of entry: Skin, ingestion, inhalation.

眼睛：可能引起眼睛刺激。

Eyes: May cause eyes irritation.

皮肤：不会通过皮肤吸收。

Skin: Not absorbed through skin.

吸入：过量吸入蒸汽可能引起上呼吸道刺激。

Inhalation: Excessive inhalation of vapors may cause respiratory irritation.

摄取：可能引起胃肠道刺激、恶心、呕吐和腹泻。

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

第三部分：成分/组成信息

Section 3: Composition/Information on Ingredient

化学名称 Chemical	CAS 号 CAS No.	重量百分比 (%) Weight (%)
水 water	7732-18-5	70-80
热敏染料 Thermosensitive dye	89331-94-2	2
树脂 resin	201058-08-4	3-5
甘油 glycerol	56-81-5	15-18
润湿剂 Wetting agent	3013-94-3	0.5-0.8
分散剂 dispersant	36290-04-7	0.5-0.8

备注：“-”：无信息。

remarks：“-”：No date.

第四部分：急救措施

Section 4: First Aid Measures

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眼睛: 用水冲洗眼睛 15 分钟。立即寻求医疗救助。

Eyes: Flush eyes with clean water for 15 minutes. Seek medical attention.

皮肤: 用大量的水冲洗皮肤。如果刺激持续, 立即寻求医疗救助。

Skin: Flush skin with plenty of water. If irritation persists seek medical attention.

误食: 切勿催吐, 禁止喂食任何东西, 立即寻求医疗救助。

Ingestion: Do not vomit. No feeding of anything. Seek immediate medical attention.

吸入: 移动受影响人员至新鲜空气处。立即寻求医疗救助。

Inhalation: Move affected persons to fresh air. Seek medical attention.

第五部分: 消防措施

Section 5: Fire Fighting Measures

闪点: 无

Flash Point: No date

自燃温度: 无

Autoignition Temperature: No date

爆燃极限: 无

Flammable/Explosive Limits: No date

灭火介质: 根据周围环境选择合适的灭火剂。不要使用水柱。

Extinguishing Media: Use media appropriate for surrounding material. Do not use water jet.

特殊消防程序: 穿自给式呼吸器和全防护服。

Special Fire Fighting Procedures: Self-contained breathing apparatus should be worn when fighting metal dust fires.

危险燃烧产物: 碳氧化物

Hazardous Combustion Products: Carbon oxide

第六部分: 泄露应急处理

Section 6: Accidental Release Measures

个人措施、防护设备和应急程序: 避免吸入蒸汽, 接触皮肤和眼睛, 谨防蒸汽累积达到可爆炸的浓度, 使用个人防护装备, 移除所有热源及点火源并使泄漏区域通风。使用沙子或其它不燃物质吸收溢出并置于合适容器中以后处理。

Personal precautions, protective equipment and emergency procedures: Avoid inhalation of steam, touching the skin and eyes. Beware of the accumulation of steam to the explosive concentration. Use personal protective equipment. remove all heat and ignition sources, and ventilate spill area. For spills, absorb with sand or some non-combustible absorbent and place in containers for later disposal.

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环境保护措施：没有许可不可把此物质排入到环境中。

Environmental precautions: Do not allow material to be released to the environment without proper governmental permits.

参考其它部分

Reference to other sections

参考第 7 部分安全处置信息。

See Section 7 for information on safe handling.

参考第 8 部分个人陪护信息。

See Section 8 for information on personal protection equipment.

参考第 13 部分废弃信息。

See Section 13 for disposal information.

第七部分：操作处置或存储

Section 7: Handling and Storage

处置

Handling

安全操作注意事项：远离热源及点火源。避免接触眼睛与皮肤。

Precautions for safe handling: Keep away from all heat and ignition sources. Avoid contact with skin and eyes.

储存

Storage

储存信息：储存远离强氧化剂。储存远离所有热源及火源

Information about storage: Store away from oxidizing agents. Store away from all heat and ignition sources.

第八部分：接触控制，个体防护

Section 8: Exposure Controls/Personal Protection

管理方法：保持容器密闭。为了使得浓度低于可接受的限值，保持通风可能是必要的。

Management method: Keep the container closed. Local exhaust may be necessary to control concentrations to acceptable levels.

呼吸防护：使用全面罩式多功能防毒面具，如果在火灾中，请使用带有机蒸汽滤罐的化学滤罐呼吸机。

Respirators: Use of full cover multifunction antigas mask. If in a fire, use any chemical cartridge respirator with organic vapor cartridges.

眼睛/脸：使用化学护目镜，如果在火灾中，请使用化学防溅安全眼镜或化学防护眼罩。

Eye/Face Protection: Wearing a chemical goggle. If in a fire, wear protective splash-proof eyeglasses or chemical safety goggles

皮肤：使用防化学手套及围裙。

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Skin: Wear chemically protective gloves & aprons

第九部分：理化特性

Section 9: Physical and Chemical Properties

物理状态: 液体

Physical State: Liquid

颜色: 无

Colour: No data

气味: 无

Odour: No data

PH 值: 无

PH value: No data

沸点: 无

Boiling Point: No data

熔点: 无

Melting Point: No data

闪点: 无

Flash Point: No data

密度: 无

Density: No data

溶解度: 无

Solubility in water: No data

第十部分：稳定性和反应性

Section 10: Stability and Reactivity

稳定性: 在正确使用和储存条件下是稳定的。

Stability: It is stable under the conditions of proper use and storage

避免条件: 过热及点火源。

Conditions To Avoid: Overheat and ignition sources

避免资料: 强氧化剂, 强酸, 强碱。

Incompatibilities: Strong oxidizing agents, alkaline, acids.

危险分解产品: 无

Decomposition Products: None

有害的聚合: 不会发生。

Hazardous Polymerization: Will not occur.

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第十一部分：毒理学信息

Section 11: Toxicological Information

急性毒性: **LD50:** 无资料。

Acute Toxicity: **LD50:** No information available.

致癌性: 不是一个已知的或疑似致癌物质。

Carcinogenicity: Not a known or suspected carcinogen.

慢性毒性: 无资料。

Chronic Toxicity: No information available.

致敏性: 不被归类于致敏物。

Sensitization: Not classified as a sensitizer.

第十二部分：生态学信息

Section 12: Ecological Information

生态毒性: 无可利用信息。

Ecotoxicity: No data available.

持久度和降解度: 无可利用信息。

Persistence/Degradability: Not data available.

生物累积/积累: 无可利用信息。

Bioaccumulation/Accumulation: Not data available.

在环境中的流动性: 无。

Mobility in Environment: None.

第十三部分：废弃处置

Section 13: Disposal Considerations

废物处置: 根据国家和当地环境法规废弃处理。

Waste Disposal: All disposals must comply with national and local regulations.

第十四部分：运输信息

Section 14: Transport Information

危险品技术名称(运输名称): 热敏可擦墨水

Shipping Name: Hot-erasable Ink

危险品等级: 无

Hazard Class: Nodate.

联合国编号: 无

UN Number: No date.

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包装组别：无

PackingGroup: Nodate.

包装标签：无.

Packaging label: Nodate

海洋污染物：无

Marine pollutants: None

包装方法：开口钢桶。安瓿瓶外普通木箱，螺纹口玻璃瓶、铁盖压口玻璃瓶、塑料瓶或金属桶（罐）外普通木箱等。按照生产商推荐的方法进行包装。

Packing method: An opening steel barrel. Common wooden cases outside ampoules, threaded glass bottles, iron cover pressure glass bottles, plastic bottles or metal barrels

(cans), outside ordinary wooden boxes, etc. Carry out the packing according to the method recommended by the manufacturer.

运输注意事项：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。运输途中应防暴晒、雨淋，防高温。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的静电。严禁与氧化剂、酸类、食品及食品添加剂等混装混运。严禁用木船、水泥船散装运输。运输时运输车辆应配备相应品种和数量的消防器材及泄露应急处理设备。运输前应先检查包装容器是否完整、密封。运输工具上应根据相关运输要求张贴危险标志、公告。

Matters of attention to transportation:The vehicle exhaust pipe for loading the goods must be equipped with a fire retardant device, and it is forbidden to use mechanical equipment

and tools that are prone to spark. Transportation should be anti-riot sun, rain, anti-high temperature. The trough (tank) vehicle used in transportation should have a grounding chain, and a hole partition may be arranged in the tank to reduce static

electricity generated by the vibration. It is strictly prohibited to mix shipment with oxidizer, acid, food and food additives. It is strictly forbidden to transport in bulk

by a wooden ship, a cement ship. Transportation vehicles shall be equipped with fire fighting equipment of the appropriate variety and quantity and with emergency

treatment equipment. Check that the packaging container is complete and sealed before shipping. The means of transport shall display hazard signs and announcements in accordance with the relevant transport requirements.

第十五部分：法规信息

Section 15: Regulatory Information

欧盟/国际法规

European/International Regulations

根据 EC 指令的欧盟标签

European Labeling in Accordance with EC Directives

有毒物质控制法

TSCA (Toxic Substance Control Act)

职业安全与卫生条例

OSHA (Occupational Safety and Health Administration)

危险化学品的分类及标志

The classification of dangerous chemicals and marks

危险货物物品名表

Dangerous commodity name list



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危险货物运输安全技术指导

Dangerous goods transportation safety technical guidance

国际航空运输协会规则

The international air transport association (IATA) regulations

国际海运危险品运输规则

Rules of the international maritime dangerous goods transport

加州 65 法案

California Proposition65

第十六部分：其他信息

Section 16:additional Information

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