

1 Chemical Product and Company Identification 化学品与厂商资料

Product name 产品名称:	PHG Series Low odor ABS pad printing ink	PHG 系列硬胶移印油墨
Product NO 产品编号:	PHG -	
Chemical description 化学品种类:	Solvent-based ink	油性油墨
Application 用途:	Surface ink for ABS substrata	ABS 材质的表面油墨
Manufacturer's Name 生产者:	ZhongShan YongHui Chemi-industry Co., LTD.,	中山永辉化工股份有限公司
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2 Hazards Identification 危险性

GHS classification GHS 分类

Flammable liquid : category 3 .

3 类易燃液体

Skin Corrosion / Irritation Hazard Category 2.

皮肤腐蚀/刺激: 2 类

Serious Eye Damage / Eye Irritation Hazard Category 2B

严重眼睛损伤/刺激: 2B 类

Target Organ Systemic Toxicant (TOST) - Single Exposure Hazard Category 3

特定靶向器官系统毒性 - 一次接触: 3 类

GHS labeling GHS 图形符号

**Signal Word 警示词**

Warning 警告

Hazard Statements

Flammable liquid and vapor

May cause drowsiness and dizziness

Causes skin irritation

Causes eye irritation

Harmful to aquatic life with long lasting effects

危害陈述

易燃液体和蒸汽

可引起嗜睡和眩晕

刺激皮肤

刺激眼睛

对水生生物有害并具有长期持续影响

Precautionary Statements 预防报告书**Prevention 预防措施**

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

Ground/Bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting and other equipment. Use only nonsparking tools. Take precautionary measures against static discharge.

Wear protective gloves and eye/face protection. Wash hands thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid

release to the environment. Use only outdoors or in a well-ventilated area. Avoid breathing vapors or spray mist.

远离热源、火花和明火 - 严禁烟火。保持容器密闭。容器和接收设备接地/等势连接。使用防爆电器如通风机、灯具和其它设备。只能使用不产生火花的工具。采取防止静电放电的措施。戴防护手套和护目镜/面罩。操作后彻底清洗双手。使用前需接受专门指导。在阅读并理解所有安全防范措施之前切勿操作。避免释放到环境中。只能在室外或通风良好的环境操作。避免吸入产品的蒸汽或气雾。

Response 响应措施

If on skin (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

如皮肤（或头发）沾染：立即脱掉所有受污染的衣服。用水清洗/冲洗皮肤。

If on skin: Wash with plenty of soap and water. Specific treatment - refer to supplemental first aid instructions. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

如皮肤沾染：用大量肥皂和水清洗。特别治疗措施-参见急救措施。如发生皮肤刺激：就医。脱去受污染的衣服，清洗后才能使用。

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention.

如进入眼睛：仔细地用水清洗几分钟。如带隐形眼镜并可方便地取出，取出隐形眼镜。如果眼睛刺激持续：就医。如接触到或有怀疑：寻求医疗指导或就医。

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell. In case of fire, use the following media for extinction: water spray or fog, alcohol foam, carbon dioxide, dry chemical.

如误吸入：将受害人转移到空气新鲜处，保持呼吸舒适的体位休息。如感觉不适，呼救解毒中心或看医生。

Storage Store in well-ventilated and cool place. Keep container tightly closed.

贮存 贮存在通风良好的阴凉处。保持容器密闭。

Disposal Dispose of contents/container in accordance with local and national regulations.

废弃处置 根据当地的环保法规处理内容物及容器。

3 Composition/Information On Ingredients 化学成分

Chemical property complex: Multi-ingredient complex mixture

化学所有物组成：表示多种合成混合物

Components 化学名称	CAS 编号	EC 编号	Contents 含量%
Acrylic resin 丙烯酸树脂	9003-01-4	\	30~40
Cellulose acetate butyrate 乙酸丁酸纤维素	9004-36-8	\	10~20
Plasticizer 塑化剂	6422-86-2	\	3~5
Mixture of Dimethyl dicarboxylic Acid 二价酸酯	1119-40-0/106-65-0/627-93-0	214-277-2/203-419-9/211-020-6	0~10
Propylene glycol methyl ether acetate 丙二醇甲醚醋酸酯	108-65-6	283-152-2	10~20
Ethylene glycol monobutyl ether 乙二醇单丁醚	111-76-2	203-905-0	10~20
Butyl acetate 乙酸丁酯	123-86-4	204-658-1	0~10

Carbon black 炭黑	}	1333-86-4	215-609-9	}	3~30
Titanium Oxide 钛白粉		13463-67-7	236-675-5		
Pigment Red 170 颜料红 170		2786-76-7	220-509-3		
Pigment Yellow 13 颜料黄 13		5102-83-0	225-822-9		
Pigment Blue 15:3 颜料蓝 15:3		147-14-8	205-685-1		
Phthalocyanine Green G 酞菁绿 G		1328-53-6	215-524-7		

4 First-Aid Measures 紧急援助措施

Inhalation	Remove the victim to fresh air area. If rapid recovery does not occur, perform artificial respiration and obtain medical attention.
吸入	将受害者转移到空气新鲜的区域。如不能迅速恢复，需采用人工呼吸并就医。
Skin Contact	Remove contaminated clothing. Wash skin immediately with plenty of water and soap. If persistent irritation occurs, obtain medical attention.
皮肤接触	脱下沾染的衣服。立即用大量的水和肥皂清洗。如刺激持续，应就医。
Eye Contact	Immediately flush the eye with running water for at least 15 minutes. If persistent irritation occurs, obtain medical attention.
眼睛接触	立即用流动水冲洗眼睛至少 15 分钟。如刺激持续，应就医。
Ingestion	If the patient conscious, give plenty of water to drink. Do not induce vomiting. If rapid recovery does not occur, obtain medical attention.
食入	如患者清醒，给饮大量的水。不可催吐。如不能迅速恢复，应就医。

5 Fire-Fighting Measures 消防措施

Extinguishing Media	Sand 、 CO2、 foam、 and dry powder. Do not use water.
灭火介质	沙、泡沫、二氧化碳和干粉灭火器。不要用水。
Protective Equipment	Wear self contained breathing apparatus
保护装置	佩戴自给空气的呼吸装置。
Special Hazard	Don' t cut, weld, heat or drill empty container.
特殊危险	不要在倒空的桶上切割、焊接或者钻孔。

6 Accidental Release Measures 泄漏处理措施

Personal precaution	Avoid breathing the vapors. See section 8&9.
个人防护措施	避免呼吸其蒸汽。参照 8 和 9 部分。
Environmental precaution	Do not contaminate the soil and surface water. Do not allow material to enter sewers.
环境保护措施	不能将物质放入下水道、土壤和地表水。
Cleaning procedure	Absorb sand or other suitable absorbent, sweep up and put it into a container for disposal.
清理方法	用沙吸收、清扫并放入专门处理的废物箱。

7 Handling and storage 处理和贮存

Storage	Keep in original, well-closed containers in well-ventilated place. Keep away from direct sunlight and other sources of heat or ignition. Don' t smoke in storage areas.
贮存	将原始密封良好的容器放置于通风良好的地方。避免阳光直射、其它热源和明火。贮存区严禁吸烟。
Handling	Do not eat, drink and smoke. DO not breathe vapor. Use local extraction. Avoid contact with skin and eye. See section 9 for Personal Protection equipment. Use only explosion proof equipment. Earth all equipment.
处理	不能吃食物、吸烟或者喝水。不要呼吸挥发气体。使用局部抽气通风。避免与眼睛和皮肤接触。参照第 9 部分的个人防护措施。采用防爆装置。所有设备需接地。

8 Exposure controls / Personal protection 暴露控制/个人防护

• **Control parameters 控制参数**

Occupational exposure limits 职业接触极限标准

Country specific exposure limits have not been established or are not applicable unless listed below.

如未建立接触限值，维持空气中浓度水平到可接受的水平。

Chemical name 化学名或通用名	Type 类型	Exposure Limit values 容许浓度 (mg/m3)	Source 来源
Butyl acetate 乙酸丁酯	TWA	200mg/m3	Occupational exposure limits for hazardous agents in the workplace Chemical hazardous agents(GBZ 2.1)(03 2008) 工作场所有害因素职业接触限值 化学有害因素 (GBZ 2.1) (03 2008)
	STEL	300mg/m3	Occupational exposure limits for hazardous agents in the workplace Chemical hazardous agents(GBZ 2.1)(03 2008) 工作场所有害因素职业接触限值 化学有害因素 (GBZ 2.1) (03 2008)
Ethylene glycol monobutyl ether 乙二醇单丁醚	TWA	240mg/m3	OSHA (PEL) [United States]

• **Ventilation 通风**

Use general or local exhaust extraction ventilation to meet exposure limit requirement.

使用整体或局部抽气通风以达到暴露限制的要求。

• **Recommended Personal Protection Equipment 推荐个人防护用品**

Eye and Skin protection 眼睛和皮肤: Safety glasses, uniform, apron, glove (neoprene or nitril rubber are recommended) 佩戴安全护目镜，穿工作服、围裙和适宜的手套（氯丁橡胶或丁腈橡胶）。

Respiratory protection 呼吸: Not required if adequate ventilation exist. If the airborne concentration exceed exposure limit, use adequate respiratory protection such as approved cartridge respirator for organic vapor. 在足够通风的环境中不需要呼吸保护装置。如果浓度超过暴露极限，需采用有过滤装置的呼吸面具来防止有机溶剂的蒸汽。

9 Physical and chemical properties 物理和化学特性

Physical Description 物理状态:	Viscous Liquid	粘性液体
Odor 气味:	Aromatics	芳香
Boiling point 沸点:	>35°C (Initial boiling point 初沸点)	
Specific Gravity 密度:	0.90~1.45g/ml	
Vapor pressure 蒸汽压:	Not determined	未测定
Vapor Density 蒸汽密度(air=1):	Heavier than air	比空气重
Volatile component 挥发份:	30~50%	
Solubility in water 水溶性:	Immiscible	不互溶
Flash point 闪点:	25~40°C (seflash 闭口)	
Ignition point 燃点	60~70°C	

10 Stability and Reactivity 安定性和反应性

Stability: Stable under recommended storage and handling conditions

安定性: 在所推荐的储存和使用条件下，安定。

Possible hazardous reactions under specific conditions: No information available.

特定条件下可能的危险反应：不明。

Conditions To Avoid: Extremes of temperature and direct sunlight

应避免的条件：极端温度和直射阳光

Polymerization: Will not occur.

聚合: 不会发生。

Materials to avoid: Strong oxidizing agents. Avoid contact with acids and alkali's.

禁配物: 强氧化剂; 避免接触酸和碱。

Hazardous Decomposition Products: In case of fire hazardous decomposition products may be produced such as: Carbon monoxide, Carbon dioxide (CO₂)

危险分解产物: 在着火的情况下,可能会产生危险的分解产物,例如:一氧化碳,二氧化碳(CO₂)。

11 Toxicological information 毒性资料

There are no data available on the product itself. Exposure to solvent vapour concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from skin resulting in dryness irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

本产品无特殊毒性资料。在接触本产品中所含溶剂的蒸汽浓度超过职业安全极限时会导致眼膜受损, 呼吸道刺激及可能影响肾、肝及中枢神经系统, 病征包括: 头痛、恶心、晕眩、疲劳、肌肉酸软及迷糊等。经常长期接触会使皮肤脱脂而干燥造成不适和皮肤炎。皮肤可吸收溶剂, 眼部溅入时引起刺激, 疼痛及暂时损伤。

12 Ecological information 生态学资料

There are no data available on the product itself. The product should not be allowed to enter drain or water courses. In accordance with local authority requirements

本产品无数据。不可排入下水道或水源, 根据当地管理要求进行处理。

13 Disposal information 废弃物处理方式

Waste disposal should be in accordance with local environment protection regulations.

按照当地环境保护法规进行废物处理。

14 Transport Information 运输方式

Important Note 重要注意事项:

Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

航运信息可能会有所不同, 由于运输, 数量, 包装大小和/或原产地和目的地模式。咨询您的资料您的具体情况公司专家。

International Maritime Dangerous Goods Code 国际海运危险货物规则

Possible Shipping Description(s) 可能送货说明(补):

ADR/RID class: 3 Flammable liquids.

ADR/RID 等级: 3 级易燃液体

UN-Number: 1263

UN 号码: 1263

Packaging group: III

包装类别: III

15 Regulatory Information 规章资料

Regulations on the Control over the Safety of Dangerous Chemicals

危险化学品安全管理条例

Production Safety Law of the People's Republic of China

中华人民共和国安全生产法

Law of the People's Republic of China on Prevention and Treatment of Occupational Disease

中华人民共和国职业病防治法

Environmental Protection Law of the People's Republic of China

中华人民共和国环境保护法

Law of the People's Republic of China on the Prevention and Control of Atmospheric Pollution

中华人民共和国大气污染防治法

Marine Environment Protection Law of the People's Republic of China

中华人民共和国海洋环境保护法

Fire Protection Law of the People's Republic of China

中华人民共和国消防法

Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Wastes

中华人民共和国固体废物污染环境防治法

Occupational exposure limits for hazardous agents in the workplace Part 1 Chemical hazardous agents (GBZ2.1)

工业场所有害因素职业接触限值 化学有害因素(GBZ2.1)

Occupational exposure limits for hazardous agents in the workplace Part 2 Physical agents (GBZ2.2) 工业场所有害

因素职业接触限值 物理因素(GBZ2.2)

General rule for classification and hazard communication of chemicals (GB13690)

化学品分类和危险性公示通则(GB13690)

National Hazardous Waste Inventor 国家危险废物名录

16 Additional Information 附加资料

Revision Information 修订信息: Not relevant.不相关

Key literature references and sources for data: No data available.

参考文献和关键的数据源: 无数据

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国家化学事故应急咨询电话: (+86) 532-3889090

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