

安全数据表
Safety Data Sheet
根据危险通讯标准 (29CFR 1910.1200)
According to Hazard Communication Standard (29CFR 1910,1200)

三丙二醇二丙烯酸酯
Tri (propylene glycol) Diacrylate

1. 产品及企业标识 (Product and Company Identification)

物品名称	三丙二醇二丙烯酸酯
Material name	Tri (propylene glycol) diacrylate
CAS 号 CAS#	见第三部分 See section 3
产品代码 (Product code)	TPGDA
产品用途	UV 涂料 UV 胶粘剂
Product use	UV coating UV adhesive
供应商 (制造商):	广东博兴新材料科技有限公司
Supplier(Manufacturer):	Guangdong Bossin Novel Materials Technology Co., Ltd
地址:	广州市海珠区新港东路琶洲会展产业园海诚东街 8 号 801
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2. 危险标识 (Hazards identification)

GHS 分类 (GHS classification)	
物理危险 (Physical hazards)	未分类 (Not classified)
健康危险 (Health hazards)	皮肤腐蚀/刺激性 类别 2 Skin corrosion/irritation Category2 皮肤致敏物 类别 1 Sensitization-skin Category1 严重眼睛损伤/眼睛刺激性 类别 2A Eye damage/irritation Category2 A
环境危险 (Environmental hazards)	未分类 (Not classified)
GHS 标签要素 (GHS label elements)	
象形图 (Hazard Pictograms)	
警告词 (Signal word)	警告 (Warning)
危险说明 (Hazard statement)	造成皮肤刺激 Causes skin irritation 可能导致皮肤过敏反应 May cause an allergic skin reaction 造成严重眼刺激 Causes serious eye irritation

3. 成分/组成信息 (Composition / information on Ingredients)

成分 (Components)	CAS 号 (CAS#)	浓度 (Percent)
二缩三丙二醇二丙烯酸酯 Tri (propylene glycol) diacrylate	42978-66-5	≥60
二丙二醇二丙烯酸酯 Di (propylene glycol) diacrylate	57472-68-1	≥30
其他低聚物 Other oligomer	--	≤10

4. 急救措施 (First Aid Measures)

急救程序 (First aid procedures)	
眼睛接触 Eye contact	立即用大量的水冲洗眼睛至少 15 分钟, 睁开眼睛。如果可能的话取出隐形眼镜获得医疗照顾。 Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Remove contact lenses if possible. Obtain medical attention.
皮肤接触 Skin contact	用水清洗皮肤。如果疼痛或发红仍然存在, 请就医。 Wash skin with water. Obtain medical attention if soreness or redness persists.
吸入 Inhalation	避免暴露, 注意避免吸入蒸汽。保持温暖的休息。如果症状出现, 请就医。 Remove from exposure, taking care to avoid inhaling vapours. Keep warm rest. Obtain medical attention if symptoms appear.
食入 Ingestion	不要催吐。如果症状出现或大量摄入, 请就医。意外摄取的水平高到足以危害健康的可能性不大。 Do not induce vomiting. Obtain medical attention if symptoms appear or if large quantities have been ingested. Accidental ingestion at a level high enough to be dangerous to health is unlikely.
对医生的特别提示 Notes to physician	依据症状治疗。 Treat symptoms.

5. 消防措施 (First Aid Measures)

易燃性质 Flammable properties	本产品不易燃 This product is non-flammable
灭火剂 (Extinguishing media)	
适用的灭火剂 Suitable extinguishing media	使用适合当地情况和周围环境的灭火措施。 Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
不适用的灭火剂 Unsuitable extinguishing media	未知 Not available.
消防设备/说明 Firefighting equipment/ instructions	水喷雾可以用来冷却未打开的容器。灭火是如有需要佩戴自给式呼吸器。 Use water spray to cool unopened containers. Wear self contained breathing apparatus for firefighting if necessary
有害燃烧产物	一氧化碳, 二氧化碳。

Hazardous combustion products

Hazardous combustion products

6. 泄露应急处理 (Accidental Release Measures)

个人预防措施

Personal precautions

使用个人防护设备。避免吸入蒸汽。保证充分的通风。移除所有火源。将人员转移到安全地带。防止灰尘累积达到可爆炸的浓度。灰尘可积聚在低洼处。个人防护措施见第 8 部分。

Use personal protective equipment. Avoid breathing vapours. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of dust accumulating to form explosive concentrations. Dust can accumulate in low areas. For personal protection see section8.

环境预防措施

Environmental precautions

禁止被释放到环境中。如果产品污染了河流，湖泊或者阴沟，请告知有关部门。

Should not be released into the environment. If the product contaminates rivers and lakes or drains inform respective authorities.

清洁方法

Methods for cleaning up

少量泄漏：如果安全可以蒸发，或者用土、沙或者其他惰性物质吸收，然后转移到合适的容器中进行回收或者处理。彻底通风污染区域。

大量泄漏：堤坝已被后续处理。紧急情况下联系主管当局。

Small spills: Allow to evaporate if it is safe to do so or contain and absorb using earth , sand or other inert material then transfer into suitable containers for recovery or disposal. Ventilate contaminated area thoroughly.

Large spills: Dike or dam to contain for later disposal. Contact emergency authorities.

7. 处理和贮存 (Handling and Storage)

处理

Handling

避免与皮肤和眼睛接触。避免吸入蒸汽。远离火源-禁止吸烟。采取措施防止静电积聚。

Avoid contact with skin and eyes. Avoid inhalation of vapours. Keep away from sources of ignition-No smoking. Take measures to prevent the build up of electrostatic charge.

贮存

Storage

储存在原有容器中。保存在通风良好的地方。保存在干燥的地方。保持在正确的标签容器内。保持容器密封。远离不相容产品。

Store in original container. Keep in a well-ventilated and dry place. Keep in properly labeled containers and Seal. Keep away from Incompatible products.

8. 接触控制和个体防护 (Exposure Controls/ Personal Protection)

生物限值

Biological limit values

无生物接触限值指出的成分。

No biological exposure limits noted for the ingredient(s).

适当的工程控制

Appropriate engineering controls

按照良好的工业卫生和安全的做法处理;工作结束后和休息前洗手。

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

个人保护措施，如个人防护装备

Individual protection measures, such as personal protective equipment

眼部/面部保护	护目镜。
Eye/ face protection	Safety goggles.
皮肤保护	标准工作服和安全靴用于正常处理和使用。
Skin protection	Standard work wear and safety boots for normal handling and use.
呼吸系统保护	使用合适的呼吸保护装置。
Respiratory protection	Suitable respiratory protective device recommended.
一般卫生注意事项	在处理化学产品后，进食前，抽烟、入厕前和结束工作后请洗手、手臂和脸。
General hygiene considerations	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

9.物理和化学特性 (Physical & Chemical Properties)

外观 (Appearance)	
物理形态 (Physical state)	液体 (Liquid)
形态 (Form)	液体 (Liquid)
颜色 (Color)	无色透明 Colorless transparent
气味 (Odor)	气味小 Weak odor
黏度 (Viscosity)	16.3mm ² /s (20℃)
气味阈值 (Odor threshold)	未知 (Not available)
pH 值 (pH)	5.9(25℃,50.0g/L)
蒸气压 (Vapor pressure)	未知 (Not available)
熔点/凝固点 (Melting point/Freezing point)	-5℃
溶解度 (Solubility) (g/l)	Insoluble in water
初沸点和沸程	>150℃
Initial boiling point and boiling range	
闪点 (Flash point)	93℃(Closed cup)
空气中的燃烧极限，上限，体积百分比	未知 (Not available)
Flammability limits in air, upper, %by volume	
空气中的燃烧极限，下限，体积百分比	未知 (Not available)
Flammability limits in air, lower, %by volume	
燃烧性 (固体，气体) Flammability (solid, gas)	未知 (Not available)
自燃温度 (Auto-ignition temperature)	未知 (Not available)
相对密度 (水=1) Relative density(water=1)	1.03g/cm ³
挥发速率 (Percent volatile)	未知 (Not available)
爆炸性 (Explosive properties)	Not explosive
氧化性 (Oxidising properties)	Not available
分子量 (Molecular Weight)	300.35
其他数据 (Other data)	

10.化学稳定性和反应性 (Chemical Stability & Reactivity Information)

反应性	正常贮存和处理情况下，物质稳定。
Chemical stability	Material is stable under normal conditions.
化学稳定性	正常的条件下，物质是稳定的。
Conditions to avoid	Incompatible materials. Extremes of temperature.
避免接触的条件	不相容的材料。高温和阳光直射。
Conditions to avoid contact	Incompatible materials. High temperature and direct sunlight.
不相容的材料	强酸，强碱，强氧化剂，金属。
Incompatible materials	Strong acids, strong bases, strong oxidizing agents, metal.
危险的分解产物:	碳氧化物
Hazardous decomposition products	Carbon oxides.
可能发生危险反应	没有已知的危险反应。
Possibility of hazardous reactions	No dangerous reactions known.

11. 毒理学信息 (Toxicological Information)

毒代动力学，新陈代谢和分布 (Toxicokinetics, metabolism and distribution)

非人类毒性动力学数据 Non-humantoxicological data 未知 Not available

毒理学影响信息 (Information on toxicological effects)

急性毒性 (Acute toxicity)

LD50 (经口, 大鼠) LD50 (Oral, Rat) 未知 Not available

LD50 (皮肤, 兔子) LD50 (Dermal, Rabbit) 未知 Not available

LC50 (吸入, 大鼠) LC50 (Inhalation, Rat) 未知 Not available

皮肤腐蚀/刺激 Skin corrosion/Irritation 造成皮肤刺激 Causes skin irritation.

严重眼部伤害/刺激 造成严重眼刺激。

Serious eye damage/irritation Causes serious eye irritation.

呼吸或皮肤致敏性 可能导致皮肤过敏反应。

Respiratory or skin sensitization May cause an allergic skin reaction.

生殖细胞诱变性 Germ cell mutagenicity 未分类 Not classified

致癌性 Carcinogenicity 未分类 Not classified

生殖毒性 Reproductive toxicity 未分类 Not classified

特定靶器官毒性-单次暴露 STOT-single exposure 未分类 Not classified

特定靶器官毒性-重复暴露 STOT-repeated exposure 未分类 Not classified

吸入危害 Aspiration hazard 未分类 Not classified

12. 生态学信息 (Ecological Information)

生态毒性 (Toxicity) :

急性毒性		时长 (小时)	物种	评估	评估	备注
Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	鱼类 (Fish)	OECD 203	N/A	N/A
EC50	N/A	48h	水蚤 Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	藻类 Algae	OECD 201	N/A	N/A

持久性和降解性 未知

Persistence and degradability 生物蓄积的潜在可能性	Not available. 未知
Bioaccumulative potential: 在土壤中的流动性 Mobility in soil	Not available. 未知 Not available.
PBT 和 vPvB 评估的结果: Results of PBT&vPvB assessment:	未知 Not available.
其他不利影响: Other adverse effects:	没有一直的显著作用或者严重危险。 No known significant effects or critical hazards

13. 废弃处置 (Disposal Considerations)

废物的处置方法 Disposal instructions	按照当地/地区/国家/国际法规处置内装物/容器。 Dispose of contents/container in accordance with local/region.
产品/包装的处置方法 Contaminated packaging	由于倒空的容器可能有产品残余物，因此在容器被清空之后也要遵守标签上的警示。 Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. 运输信息 (Transport Information)

DOT

基本运输要求 (Basic shipping requirements)

UN 代码 (UN number)	不受管制 (Not regulated)
正规的装运名称 (Proper shipping name)	不受管制 (Not regulated)
运输危害等级 (Hazard class)	不受管制 (Not regulated)
包装组别 (Packing group)	不受管制 (Not regulated)
环境危害 (Environmental hazards)	否 (No)

IATA

UN 代码 (UN number)	不受管制 (Not regulated)
正规的装运名称 (UN proper shipping name)	不受管制 (Not regulated)
运输危害等级 (Transport hazard class(es))	不受管制 (Not regulated)
包装组别 (Packing group)	不受管制 (Not regulated)
环境危害 (Environmental hazards)	否 (No)

IMDG

UN 代码 (UN number)	不受管制 (Not regulated)
正规的装运名称 (UN proper shipping name)	不受管制 (Not regulated)
运输危害等级 (Transport hazard class(es))	不受管制 (Not regulated)
包装组别 (Packing group)	不受管制 (Not regulated)
环境危害 (Environmental hazards)	否 (No)

15. 法规信息 (Regulatory Information)

美国联邦法规 (US federal regulations)

TSCA 第 12(b) 有毒物质控制法 (40 CFR 707, Subpt.D)	未管制 (Not regulated.)
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt.D)	
CERCLA 有害物质名单 (40 CFR 302.4)	未列入 (Not listed.)

CERCLA Hazardous Substance List (40 CFR 302.4)

SARA 304 紧急释放申报 SARA 304 Emergency release notification 未管制 (Not regulated.)
OSHA 特别管理的物质 (26CFR1910. 1001-1050) 未管制 (Not regulated.)

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

1986 年超级基金修正案与再授权法案 (SARA)

Superfund Amendments and Reauthorization Act of 1986(SARA)

SARA 302 极端有害物质 SARA 302 Extremely hazardous substance 未管制 (Not regulated.)

SARA 313 (TRI 报告) SARA 313 (TRI reporting) 未管制 (Not regulated.)

其他联邦法规 (Other federal regulations)

清洁空气法案 (CAA) 第 112 条有害空气污染物 (HAPs) 名单 未管制 (Not regulated.)

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

清洁空气法案(CAA) 第 112 (r) 条意外泄露预防(40 CFR 68.130) 未管制 (Not regulated.)

Clean Air Act (CAA) Section 112 (r) Accidental Release Prevention (40 CFR 68.130)

安全饮用水法案 (SDWA) Safe Drinking Water Act (SDWA) 未管制 (Not regulated.)

16. 其他信息 (Other Information)

免责声明 信息依据我方当前掌握情报提供。本 SDS (安全数据表) 仅为该产品编制。第 3 节组成
Disclaimer 信息和第 9 节物理化信息的提供这是: 广东博兴新材料科技有限公司。其他数据来源于
权威数据库及专家评估 (010-128103)。

The information in the sheet was written based on the best knowledge and experience currently available. The information of section 3 and section 9 is provided by: Guangdong Bossin Novel Material Technology Co., Ltd.. Other information is from authoritative database and expert assessment(010-128103).

文件结束

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