

物质安全数据表

Material Safety Data Sheet

1. 物品与厂商资料(Chemical product and company identification):

物品名称: FORMEX N3 Product: FORMEX N3
制造商名称: 依州电子零部件（上海）有限公司 Manufacturer: ITW Electronic Components/Products(Shanghai) Co., Ltd.
制造商地址: 上海市莘庄工业园区申富路 789 号 5 号厂房 Manufacturer address: Building 5, 789 Shenfu Road, Xinzhuang Industrial Park, Shanghai, China
制造商电话: (86)21-54426006*212 Manufacturer tel.: (86)21-54426006
制造商传真: (86)21-54426007 Manufacturer fax: (86)21-54426007

2. 成份辨识数据(Composition/information on ingredients):

成份名称 Ingredients	化学式 Chemical Formula	化学成分 (%) Percent by Weight	化学文摘社登记号码 CAS NO.
Polycarbonate	C31H32O7	≥84%	25037-45-0
Polydimethylsiloxane	(C2H6OSi) _n	≤4%	9016-00-6
Antioxidant168	C42H63O3P	≤2%	31570-04-4
Poly(tetrafluoroethylene)	(C2F4) _n	≤1.5%	9002-84-0

3. 危害辨识数据(Hazards summarizing):

最重要危害注意 Important hazards attention	健康危害效应: Health hazardous reaction: 急性: Emergency: · 皮肤接触: 无. Skin contact: None · 吸入: 极轻微毒性. Inhalation: very low toxicity · 眼睛: 碎片可引起物理损伤 Eye contact: Mechanical irritation due to small pieces.
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4. 急救措施(First-aid measures):

不同暴露途径之急救措施:

This first-aid measures is different from section 8.

· 吸入:

1. 若不慎吸入高温熔融树脂产生的气体, 则立即远离该处至新鲜空气呼吸新鲜空气.
2. 发生咳嗽或呼吸困难立即就医

Inhalation: 1. Breath clean air right away if breath gas generated by hot melt resin by accident.

2. Hospitalize if person is short of breath

· 皮肤接触: 如果皮肤与熔融后的材料接触, 迅速用冷水冲洗, 不要试图从皮肤上剥下来, 并就医。

Skin contact: If contact with molten material occurs, cool rapidly with cold water. Do not attempt to peel polymer from skin. Obtain medical advice for thermal burn.

· 眼睛接触: 用水冲洗眼睛, 不要揉擦眼睛。有任何异常, 立即就医。

Eye contact: Flush eyes with water; do not rub eyes. Hospitalize if there is any abnormal feeling.

最重要症状及急害效应: 无

Main symptom and urgent reaction: None

对急救人员之防护: 无

The defense of first-aid person: None.

对医师之提示: 无

Advice to doctor: None

5. 灭火措施 (Fire-fighting measures):

适用灭火剂: 喷水, 泡沫灭火剂, 干粉

Extinguishing media: Water, foam, dry chemical powder

燃烧危害: 可能产生烟雾或碎片, 里面可能含有刺激或毒性物质, 包括一氧化碳, 二氧化碳, 氮氧化物, 乙醛, 酚及其衍生物等化合物. 机械处理时会发生粉体, 操作时须防粉体的累积导致爆炸.

Burning hazards: Might generate smoke and macromolecule fragments in which contain irritant or toxic substances like CO, CO₂, Nitrogen oxide, acetaldehyde, phenol and its derivant, etc. Powder will be generated during mechanical treatment, need to prevent powder accumulation that will lead to explosion during operation.

特殊灭火程序: 无

Special fire fighting procedures: None

消防人员之特殊防护设备: NIOSH 认可的正压自呼吸面罩。

The special defense equipment of fire-fighting person: Do not enter confined fire space without a positive pressure NIOSH approved self-contained breathing apparatus with a full facepiece.

6. 泄漏处理措施 (Accident release measures)

个人应注意事项: 无

Personal protection: None.

环境注意事项: 不适用。

Environmental attention item: N/A

清理方法：扫除或吸掉防止滑倒，将材料包起回收或处理。

Methods for cleaning up: Shovel, sweep, or vacuum to prevent slipping hazards. Contain material for reclamation or disposal.

7. 安全处置与储存方法 (Handling and storage):

操作处置：避免放置于人员行走区域，否则可能导致滑倒。

WASTE DISPOSAL: Keep material off walking surfaces, it may create a slipping hazard.

存放方法：通风环境 35℃以下室内储藏，避免阳光直射，远离热源

Storage: Store in well-ventilated area under 35℃, keep away from sunlight and any source of heat.

8. 曝露预防措施 (Exposure controls/personal protection):

控制浓度：良好的空气流通即可

Concentration control: Well ventilated

个人防护设备 Personal protection equipment:

1. 呼吸防护：防尘面具

Respiratory protection: dust-proof mask

2. 手部防护：手套

Hand protection: Glove

3. 眼睛防护：防护安全眼镜

Eye protection: Safety Glasses

4. 皮肤及身体防护：长袖作业服

Skin and body protection: long sleeve work clothes

5. 卫生措施：工作后、饮食及抽烟前应洗手。

Health measure: Wash hand after work and before eating & smoking.

9. 物理及化学数据 (Physical and chemical properties):

物质状态：固体 Substance form: Solid	形状：片状 Appearance: sheet
气味：无气味 Odor: Essentially odorless	沸点：不适用 Boiling point: N/A
维卡软化温度：148℃ Vicat softening temperature: 148℃	蒸气压：不适用 Vapor pressure: N/A
自燃温度：>450℃ Autoignition temperature:>450℃	水中溶解度：不溶于水 Solubility in water: Insoluble
比重：1.21 Specific density: 1.21	颜色：黑色或本色 Color: Black or nature.

10. 安定性及反应性 (Stability and reactivity):

安定性：在建议条件下使用及贮藏非常安全

Stability: Very stable under the recommended using and storage conditions

特殊状况下可能之危害反应：不确定 Hazardous reactivity in special conditions: uncertain
应避免的状况：长期储存于高温场所 Conditions to avoid: store at high temperature site for long term
应避免的物质：强氧化剂，强酸 Material to avoid: Strong oxidizing agents, strong acid
危害分解物：燃烧产物包括浓烟，二氧化碳，一氧化碳和碳氢化合物等。高温操作可能产生脂肪烃，芳香烃，酸，酚醛及其衍生物等物质。 Hazardous decomposition or byproducts: Hazardous combustion products may include dense black smoke, CO ₂ , CO, and hydrocarbon fragments. Operation at high temperature might generate aliphatic and aromatic hydrocarbons, acids, phenol, and phenolderivatives.

11. 毒性资料 (Toxicological information):

致敏感性：树脂分解产生的烟雾可能刺激眼睛。 Susceptive: Fume or Vapors generated from decomposing resin may be irritant to eyes.
慢毒性或长期毒性：无资料说明 Slow toxicity or long toxicity: N/A

12. 生态资料 (Ecological information):

可能的环境影响：很难经生化反应分解，于陆上的环境将残存于土壤中，于水中环境则将沉降残存于沉积物中 Possible effect of environment: hard to be decomposed through biolysis. Will remain in soil or sediment in the water.
崩解作用：水中无法溶解，呈安全状态残存于环境中，阳光长期照射将逐渐脆化，不能预期能经生化作用而分解 Decomposition reaction: Can not dissolve in water, remain in environment safely, will age and embrittle if exposed to sunshine for long term. Hard to be decomposed through biolysis.
生态毒性：无生态毒性 Biology toxicity: None

13. 废弃物处理方法 (Disposal):

废物处理：不得任意倾倒废弃物于地面、下水道及水源地，应依各所在地相关法律条文规范依法处理。 Waste disposal: Comply with all federal, state and local regulations. Do not dump this product into sewers, on the ground or into any body of water.

14. 运送资料 (Transport information):

The United Nations Number(Un-No) 联合国编号	Not regulated. 无规定
The United Nations Shipping Name联合国航运的名字	Not regulated. 无规定
D. O. T. Hazard Class D. O. T. 风险等级	Not regulated. 无规定
Package Category包装分级	Not regulated. 无规定
Maritime Pollutants海洋污染物	Not regulated. 无规定
Special Transport Way And Note特殊运输方式和注意	Not regulated. 无规定

15. 适用法规 (Regulatory information):

请参照各地法规。

Please refer to local regulations.

16. 其它信息 (Other information):

联系窗口 Contact point	名称: 依州电子零部件（上海）有限公司 Company name: ITW Electronic Components/Products(Shanghai) Co., Ltd.		
	地址: 上海市莘庄工业园区申富路789号5号厂房 Company address: Building 5, 789 Shenfu Road, Xinzhuang Industrial Park, Shanghai, China		
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制表日期 Prepared date	February 21st, 2017	修订日期 revision date	----

* 本表仅供参考，运作人需自行进行必要的处理。

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