

CR Foam

NO: TYC-150U\_MSDS20260123

氯丁橡胶泡棉

## Chemical Material Safety Data Sheet

## 化学品安全数据表 (MSDS)

## Part 1 Chemical and Manufacturer Introduction

## 第一部分 化学品及企业标识

|                          |                                                                |
|--------------------------|----------------------------------------------------------------|
| Trade Name / 产品名称        | TYC-150U CR Foam / TYC-150U 氯丁橡胶泡棉                             |
| Chemical Name / 主要成分     | CR Foam / 氯丁橡胶泡棉                                               |
| Company / 企业名称           | Dongguan Taiya Electronics Technology Co., Ltd / 东莞市泰亚电子科技有限公司 |
| Emergency Phone / 紧急联系电话 | 86-769-8979 3287                                               |

## Part 2 Component Information

## 第二部分 成分/组成信息

| Item / 项目 | Name / 名称                 | Content / 含量 (%) | CAS No. / CAS 编号 |
|-----------|---------------------------|------------------|------------------|
| Foam / 泡棉 | Synthetic rubber/<br>合成橡胶 | 40               | CAS68891-50-9    |
|           | Flame retardant /<br>阻燃剂  | 20               | CAS21645-51-2    |
|           | Calcium carbonate /碳酸钙    | 10               | CAS471-34-1      |
|           | Zinc oxide / 氧化锌          | 5                | CAS1314-13-2     |

## Part 3 Hazards Description

## 第三部分 危险性概述

|                            |                                     |
|----------------------------|-------------------------------------|
| Hazards Class / 危险性类别      | N/A                                 |
| Symbol / 图形符号              | N/A                                 |
| Exposure Pathway / 侵入途径    | Ingestion and absorption / 食入吸收     |
| Health Effect / 健康危害       | No health effect / 无健康危害            |
| Environment Hazards / 环境危害 | No harm to the environment / 对环境无危害 |
| Other Hazards / 其他危害       | N/A                                 |



## Part 4 Emergency Disposal

### 第四部分 急救措施

|                            |                                                                                                                                            |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Skin Contact / 皮肤接触</b> | Products will not stimulate the skin. / 产品不会刺激皮肤。                                                                                          |
| <b>Eye Contact / 眼睛接触</b>  | Flush with running water; If the patient feels unwell, they should consult the doctor. / 流水冲洗；如果病人感到不适，请咨询医生。                              |
| <b>Inhalation / 吸入</b>     | Supply fresh air; If the patient feels unwell, they should consult the doctor. / 供给新鲜空气；如果病人感到不适，请咨询医生。                                    |
| <b>Eat / 食入</b>            | Rinse the mouth with water. Do not feed anything to unconscious patients. Seek medical attention immediately. / 用水冲洗口腔。不要喂任何东西给昏迷的病人。立即就医。 |

## Part 5 Firefighting

### 第五部分 消防措施

|                                                |                                                                                                                               |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Hazardous Characteristics / 危险特性</b>        | N/A                                                                                                                           |
| <b>Hazardous Combustion Product / 有害燃烧产物</b>   | Carbon oxides. / 碳氧化物。                                                                                                        |
| <b>Extinguish Method and Media / 灭火方法及灭火介质</b> | Foam, dry powder, carbon dioxide, sand. / 泡沫、干粉、二氧化碳、砂土。                                                                      |
| <b>Note / 灭火注意事项</b>                           | No special requirements. Self-contained breathing apparatus shall be equipped when extinguishing fire. / 没有特别要求，灭火时应配备自主式呼吸器。 |

## Part 6 Leakage Emergency Disposal

### 第六部分 泄露应急处理

|                                            |                                                             |
|--------------------------------------------|-------------------------------------------------------------|
| <b>Leakage Emergency Disposal / 泄露应急处理</b> | No special requirements or special measures. / 没有特殊要求和特别措施。 |
|--------------------------------------------|-------------------------------------------------------------|

## Part 7 Operation and Storage

### 第七部分 操作处置与储存

|                                   |                                                                                                          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Note on Operation / 操作注意事项</b> | No special requirements. / 无特别要求。                                                                        |
| <b>Notes on Storage / 储存注意事项</b>  | No special requirements. Try to keep in a cool and well-ventilated environment. / 无特别要求，尽量保存在凉爽和通风良好的环境。 |

## Part 8 Labor Protection

### 第八部分 接触控制/个体防护

|                                                 |     |
|-------------------------------------------------|-----|
| <b>Maximum Allowable Concentration / 最高容许浓度</b> | N/A |
| <b>Monitoring Method / 监测方法</b>                 | N/A |
| <b>Process Control / 工程控制</b>                   | N/A |



|                                        |               |
|----------------------------------------|---------------|
| <b>Respiration Protection / 呼吸系统防护</b> | No need / 不需要 |
| <b>Eye Protection / 眼睛防护</b>           | No need / 不需要 |
| <b>Body Protection / 身体防护</b>          | No need / 不需要 |
| <b>Hand Protection / 手防护</b>           | No need / 不需要 |
| <b>Others / 其它</b>                     | N/A           |

## Part 9 Physical and Chemical Characteristics

### 第九部分 理化性质

|                                                     |                                                                                                         |                                                                             |           |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------|
| <b>Appearance / 外观与性状</b>                           | Solid foam / 固态泡沫                                                                                       |                                                                             |           |
| <b>Ph / pH 值</b>                                    | N/A                                                                                                     | <b>Critical Temp. / 临界温度(°C)</b>                                            | N/A       |
| <b>Melting Point / 熔点(°C)</b>                       | N/A                                                                                                     | <b>Critical Pressure / 临界压力(MPa)</b>                                        | N/A       |
| <b>Boiling Point / 沸点(°C)</b>                       | N/A                                                                                                     | <b>Ignition Temp. / 引燃温度(°C)</b>                                            | N/A       |
| <b>Flash point / 闪点(°C)</b>                         | N/A                                                                                                     | <b>Density. / 密度(g/cm<sup>3</sup>)</b>                                      | 0.14~0.18 |
| <b>Vapor Density Related to Air / 相对蒸气密度 (空气=1)</b> | N/A                                                                                                     | <b>Logarithm of Dispensing Coefficient in Octanol / Water / 辛醇/水分配系数对数值</b> | N/A       |
| <b>Saturated Vapor Pressure / 饱和蒸气压 (kPa)</b>       | N/A                                                                                                     | <b>Upper Explosive Limit / 爆炸上限 %(V/V)</b>                                  | N/A       |
| <b>Combustion Heat / 燃烧热 (kJ/mol)</b>               | N/A                                                                                                     | <b>Low Explosive Limit / 爆炸下限 %(V/V)</b>                                    | N/A       |
| <b>Solubility / 溶解性</b>                             | Insoluble / 不溶                                                                                          |                                                                             |           |
| <b>Main Application / 主要用途</b>                      | Cushioning and shock absorption, thermal insulation and fire prevention, filling gaps./ 缓冲减震、隔热防火、填补缝隙。 |                                                                             |           |
| <b>Others / 其它</b>                                  | N/A                                                                                                     |                                                                             |           |

## Part 10 Stability and Reactivity

### 第十部分 稳定性和反应活性

|                                      |                                                                                                                  |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Stability / 稳定性</b>               | Stable under normal use / 常态下稳定                                                                                  |
| <b>Material to Avoid / 禁忌物</b>       | Strong acids and bases / 强酸强碱                                                                                    |
| <b>Condition to Avoid / 避免的条件</b>    | Humidity / 潮湿                                                                                                    |
| <b>Polymerization / 聚合危害</b>         | N/A                                                                                                              |
| <b>Decomposition Products / 分解产物</b> | Combustion produces carbon monoxide, carbon dioxide and incomplete carbon compounds. / 燃烧产生一氧化碳、二氧化碳和不完全燃烧的碳化合物。 |



## Part 11 Toxicological Data

### 第十一部分 毒理学资料

| Chemical name / 化学名称         |                       | RTECS number / RTECS编号                                         |                         |
|------------------------------|-----------------------|----------------------------------------------------------------|-------------------------|
| Synthetic rubber/<br>合成橡胶    |                       | EI9640000                                                      |                         |
| Flame retardant /<br>阻燃剂     |                       | BD0940000                                                      |                         |
| Calcium carbonate /碳酸钙       |                       | FF9335000                                                      |                         |
| Zinc oxide / 氧化锌             |                       | ZH4810000                                                      |                         |
| Acute toxicity / 急性毒性        | Zinc oxide / 氧化锌      | TCLo                                                           | 2.4~4.5g/kg (mouth-rat) |
| Irritation / 刺激性             | Zinc oxide / 氧化锌      | Irritation to skin, eyes, and respiratory tract(对皮肤、眼睛和呼吸道的刺激) |                         |
| Allergenicity / 致敏性          | Synthetic rubber/合成橡胶 | Skin allergies(皮肤过敏)                                           |                         |
| Mutagenicity / 致突变性          | N/A                   |                                                                |                         |
| Reproductive Toxicity / 生殖毒性 | N/A                   |                                                                |                         |
| Carcinogecity / 致癌性          | N/A                   |                                                                |                         |
| Others / 其它有害作用              | N/A                   |                                                                |                         |

## Part 12 Ecological Information Data

### 第十二部分 生态学资料

|                                                   |                                                                  |
|---------------------------------------------------|------------------------------------------------------------------|
| Ecological Toxicological / 生态毒性                   | N/A                                                              |
| Biodegradation / 生物降解性                            | N/A                                                              |
| Abioticdegradation / 非生物降解性                       | N/A                                                              |
| Bio-concentration / Bio-accumulation / 生物富集或生物累积性 | N/A                                                              |
| Others / 其它有害作用                                   | This substance may be harmful to the environment. / 该物质对环境可能有危害。 |

## Part 13 Disposal Considerations

### 第十三部分 废弃处置

|                           |     |
|---------------------------|-----|
| Waste Description / 废弃物性质 | N/A |
|---------------------------|-----|



|                                  |                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------|
| <b>Disposal Method / 废弃物处置方法</b> | Refer to relevant national and local regulations before disposal. / 处置前应参阅国家和地方有关法规。 |
| <b>Notes / 废弃注意事项</b>            | N/A                                                                                  |

## Part 14 Transportation

### 第十四部分 运输信息

|                                               |                 |
|-----------------------------------------------|-----------------|
| <b>Code / 危险货物编号</b>                          | N/A             |
| <b>UN Code / UN编号</b>                         | N/A             |
| <b>Package Mark / 包装标志</b>                    | N/A             |
| <b>Kinds of Package / 包装类别</b>                | No limit / 不做限制 |
| <b>Packing Method / 包装方法</b>                  | No limit / 不做限制 |
| <b>Caution During Transportation / 运输注意事项</b> | N/A             |

## Part 15 Regulatory Reference

### 第十五部分 法规信息

|                                    |                                                                                                                                                                                                                                                                               |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Regulatory Information/法规信息</b> | ISO 11014-2009 Safety data sheet for chemical products-Content and order of sections<br>GB/T 16483-2008 化学品安全技术说明书内容和项目顺序<br>GB 13690-2009 化学品分类和危险性公示通则<br>国家危险性废弃物名录<br>GHS-Globally Harmonized System of Classification and Labelling of Chemicals, third revised edition. |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Part 16 Other Information

### 第十六部分 其它信息

|                                                     |                       |
|-----------------------------------------------------|-----------------------|
| <b>Reference Literature / 参考文献</b>                  | N/A                   |
| <b>Effective Date of Previous Version / 上一版生效日期</b> | 10/03/2025            |
| <b>Update Date / 本次更新日期</b>                         | 23/01/2026            |
| <b>Dept. Fill in / 填表部门单位</b>                       | EHS                   |
| <b>Data Review / 数据审核</b>                           | N/A                   |
| <b>Revision Information / 修改说明</b>                  | Version update / 版本更新 |
| <b>Others / 其它</b>                                  | N/A                   |

