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| --- |
| **1. Identification** |

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| --- |
| **1.1. Product identifier** |

|  |  |  |
| --- | --- | --- |
| **Product Identity** | TF 1584 |  |
| **Alternate Names** | TF 1584 |  |

|  |
| --- |
| **1.2. Relevant identified uses of the substance or mixture and uses advised against** |

|  |  |  |
| --- | --- | --- |
| **Intended use** | See Technical Data Sheet. |  |
| **Application Method** | See Technical Data Sheet. |  |

|  |
| --- |
| **1.3. Details of the supplier of the safety data sheet** |

|  |  |
| --- | --- |
| **Company Name** | Integrated Marketing Group |
|  | 1740 W. Katella Ave. Suite A |
|  | Orange, CA 92867. USA |
| **Emergency** |  |
| **24 hour Emergency Telephone No.** | 714-771-2401 |
| **Customer Service: Integrated Marketing Group** | 714-771-2401 Fax: 714-771-3925 |

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| --- |
| **2. Hazard(s) identification** |

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| --- |
| **2.1. Classification of the substance or mixture** |

|  |  |
| --- | --- |
| Eye Irrit. 2;H319 | May cause eye irritation. |
|  |  |

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| **2.2. Label elements** |
| Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows. |

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| |  | | --- | | GHS07 | |

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| **Warning** |

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| H319 May cause eye irritation. |

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| --- |
| **[Prevention]:** |
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| P264 Wash thoroughly after handling. |
| P280 Wear protective gloves / eye protection / face protection. |
| **[Response]:** |
|  |
| P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. |
| P337+313 If eye irritation persists: Get medical advice / attention. |
| **[Storage]:** |
| No GHS storage statements |
| **[Disposal]:** |
| No GHS disposal statements |

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| **3. Composition/information on ingredients** |

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| This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations. |

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| --- | --- | --- | --- |
| **Ingredient/Chemical Designations** | **Weight %** | **GHS Classification** | **Notes** |
| **Fibrous Glass    CAS Number:     0065997-17-3** | **75 - 100** | **Eye Irrit. 2;H319** | **[1]** |
| **Poly(tetrafluoroethene)    CAS Number:     0009002-84-0** | **10 - 25** | **Not Classified** | **[1]** |

|  |
| --- |
| In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret. [1] Substance classified with a health or environmental hazard. [2] Substance with a workplace exposure limit. [3] PBT-substance or vPvB-substance. \*The full texts of the phrases are shown in Section 16. |

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| **4. First aid measures** |

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| **4.1. Description of first aid measures** |

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| **General** | In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. |
| **Inhalation** | Not available |
| **Eyes** | Not available |
| **Skin** | Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. |
| **Ingestion** | Not available |

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| **4.2. Most important symptoms and effects, both acute and delayed** |

|  |  |
| --- | --- |
| **Overview** | No specific symptom data available. See section 2 for further details. |
|  |  |
| **Eyes** | May cause eye irritation. |
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| **5. Fire-fighting measures** |

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| **5.1. Extinguishing media** |

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| Water, carbon dioxide, or dry chemical. |

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| **5.2. Special hazards arising from the substance or mixture** |

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| Hazardous decomposition: Carbon dioxide and carbon monoxide |

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| **5.3. Advice for fire-fighters** |

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| --- |
| Not available |

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| --- | --- |
| **ERG Guide No.** | ---- |

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| **6. Accidental release measures** |

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| **6.1. Personal precautions, protective equipment and emergency procedures** |

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| Put on appropriate personal protective equipment (see section 8). |

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| **6.2. Environmental precautions** |

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| Do not allow spills to enter drains or waterways. |
| Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse. |

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| **6.3. Methods and material for containment and cleaning up** |

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| Material is a solid. Waste Disposal Method: Burial in a federal or state approved landfill. |

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| **7. Handling and storage** |

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| **7.1. Precautions for safe handling** |
| Use approved forklifts to lift full rolls. |
| See section 2 for further details. - [Prevention]: |

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| --- |
| **7.2. Conditions for safe storage, including any incompatibilities** |
| Handle containers carefully to prevent damage and spillage. |
| Incompatible materials: Avoid contact with strong oxidizing agents. |
| See section 2 for further details. - [Storage]: |

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| **7.3. Specific end use(s)** |
| No data available. |

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| **8. Exposure controls and personal protection** |

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| --- |
| **8.1. Control parameters** |
| **Exposure** |

|  |  |  |  |
| --- | --- | --- | --- |
| **CAS No.** | **Ingredient** | **Source** | **Value** |
| 0009002-84-0 | Poly(tetrafluoroethene) | OSHA | No Established Limit |
| ACGIH | No Established Limit |
| NIOSH | No Established Limit |
| Supplier | No Established Limit |
| 0065997-17-3 | Fibrous Glass | OSHA | 15 mg/m3 (as nuisance dust)5 mg/m3 (respirable fraction) |
| ACGIH | 10 mg/m3 (as nuisance dust)5 mg/m3 (respirable fraction) |
| NIOSH | No Established Limit |
| Supplier | No Established Limit |

|  |
| --- |
| Contains mineral oil. The exposure limits for oil mist are 5 mg/m3 OSHA PEL and 10 mg/m3 ACGIH. |
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| **Carcinogen Data** |

|  |  |  |  |
| --- | --- | --- | --- |
| **CAS No.** | **Ingredient** | **Source** | **Value** |
| 0009002-84-0 | Poly(tetrafluoroethene) | OSHA | Select Carcinogen: No |
| NTP | Known: No;  Suspected: No |
| IARC | Group 1: No;  Group 2a: No;  Group 2b: No;  Group 3: Yes;  Group 4: No; |
| 0065997-17-3 | Fibrous Glass | OSHA | Select Carcinogen: No |
| NTP | Known: No;  Suspected: No |
| IARC | Group 1: No;  Group 2a: No;  Group 2b: No;  Group 3: No;  Group 4: No; |

|  |  |
| --- | --- |
| **8.2. Exposure controls** |  |
| **Respiratory** | None required. |
| **Eyes** | None required. |
| **Skin** | None required. |
| **Engineering Controls** | None required. |
| **Other Work Practices** | Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse. |

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| See section 2 for further details. - [Prevention]: |

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| --- |
| **9. Physical and chemical properties** |

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| --- | --- | --- |
| **Appearance** | Gray one side/brown other side Solid |  |
| **Odor** | Odorless |  |
| **Odor threshold** | Not determined |  |
| **pH** | Not Measured |  |
| **Melting point / freezing point** | > 400F |  |
| **Initial boiling point and boiling range** | Not Measured |  |
| **Flash Point** | (Method Used): > 250 C by TOC |  |
| **Evaporation rate (Ether = 1)** | Not Measured |  |
| **Flammability (solid, gas)** | Not Applicable |  |
| **Upper/lower flammability or explosive limits** | **Lower Explosive Limit:** Not Measured |  |
|  | **Upper Explosive Limit:** Not Measured |  |
| **Vapor pressure (Pa)** | Not Measured |  |
| **Vapor Density** | Not Measured |  |
| **Specific Gravity** | (H2O=1): 1.6 |  |
| **Solubility in Water** | Insoluble |  |
| **Partition coefficient n-octanol/water (Log Kow)** | Not Measured |  |
| **Auto-ignition temperature** | Not Measured |  |
| **Decomposition temperature** | Not Measured |  |
| **Viscosity (cSt)** | Not Measured |  |

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| **9.2. Other information** |
| No other relevant information. |

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| **10. Stability and reactivity** |

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| **10.1. Reactivity** |
| Hazardous Polymerization will not occur. |
| **10.2. Chemical stability** |
| Stable under normal circumstances. |
| **10.3. Possibility of hazardous reactions** |
| No data available. |
| **10.4. Conditions to avoid** |
| No data available. |
| **10.5. Incompatible materials** |
| Avoid contact with strong oxidizing agents. |
| **10.6. Hazardous decomposition products** |
| Carbon dioxide and carbon monoxide |

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| --- |
| **11. Toxicological information** |

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| --- |
| **Acute toxicity** |
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| --- | --- | --- | --- | --- | --- |
| **Ingredient** | **Oral LD50,  mg/kg** | **Skin LD50,  mg/kg** | **Inhalation  Vapor LC50,  mg/L/4hr** | **Inhalation Dust/Mist LC50,  mg/L/4hr** | **Inhalation Gas LC50,  ppm** |
| Fibrous Glass - (65997-17-3) | No data available | No data available | No data available | No data available | No data available |
| Poly(tetrafluoroethene) - (9002-84-0) | No data available | No data available | No data available | No data available | No data available |

|  |
| --- |
| Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate). |

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| --- | --- | --- |
| **Classification** | **Category** | **Hazard Description** |
| Acute toxicity (oral) | --- | Not Applicable |
| Acute toxicity (dermal) | --- | Not Applicable |
| Acute toxicity (inhalation) | --- | Not Applicable |
| Skin corrosion/irritation | --- | Not Applicable |
| Serious eye damage/irritation | 2 | Causes serious eye irritation. |
| Respiratory sensitization | --- | Not Applicable |
| Skin sensitization | --- | Not Applicable |
| Germ cell mutagenicity | --- | Not Applicable |
| Carcinogenicity | --- | Not Applicable |
| Reproductive toxicity | --- | Not Applicable |
| STOT-single exposure | --- | Not Applicable |
| STOT-repeated exposure | --- | Not Applicable |
| Aspiration hazard | --- | Not Applicable |

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| --- |
| **12. Ecological information** |

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| --- |
| **12.1. Toxicity** |
| No additional information provided for this product. See Section 3 for chemical specific data. |
| **Aquatic Ecotoxicity** |
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| --- | --- | --- | --- |
| **Ingredient** | **96 hr LC50 fish,  mg/l** | **48 hr EC50 crustacea,  mg/l** | **ErC50 algae,  mg/l** |
| Fibrous Glass - (65997-17-3) | Not Available | Not Available | Not Available |
| Poly(tetrafluoroethene) - (9002-84-0) | Not Available | Not Available | Not Available |

|  |
| --- |
| **12.2. Persistence and degradability** |
| There is no data available on the preparation itself. |
| **12.3. Bioaccumulative potential** |
| Not Measured |
| **12.4. Mobility in soil** |
| No data available. |
| **12.5. Results of PBT and vPvB assessment** |
| This product contains no PBT/vPvB chemicals. |
| **12.6. Other adverse effects** |
| No data available. |

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| **13. Disposal considerations** |

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| **13.1. Waste treatment methods** |
| Observe all federal, state and local regulations when disposing of this substance. |

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| **14. Transport information** |

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| --- | --- | --- | --- |
|  | **DOT (Domestic Surface Transportation)** | **IMO / IMDG (Ocean Transportation)** | **ICAO/IATA** |
| **14.1. UN number** | Not Applicable | Not Regulated | Not Regulated |
| **14.2. UN proper shipping name** | Not Regulated | Not Regulated | Not Regulated |
| **14.3. Transport hazard class(es)** | **DOT Hazard Class:** Not Applicable | **IMDG:** Not Applicable **Sub Class:** Not Applicable | **Air Class:** Not Applicable |
| **14.4. Packing group** | Not Applicable | Not Applicable | Not Applicable |

|  |
| --- |
| **14.5. Environmental hazards** |

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| --- | --- |
| **IMDG** | Marine Pollutant: No |
| **14.6. Special precautions for user** | |
|  | No further information |

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| --- |
| **15. Regulatory information** |

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| --- | --- |
| **Regulatory Overview** | The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. |
| **Toxic Substance Control Act ( TSCA)** | All components of this material are either listed or exempt from listing on the TSCA Inventory. |
| **WHMIS Classification** | D2B |

|  |  |  |
| --- | --- | --- |
| **US EPA Tier II Hazards** | **Fire:** | No |
|  | **Sudden Release of Pressure:** | No |
|  | **Reactive:** | No |
|  | **Immediate (Acute):** | Yes |
|  | **Delayed (Chronic):** | No |

|  |
| --- |
| **EPCRA 311/312 Chemicals and RQs:**  To the best of our knowledge, there are no chemicals at levels which require reporting under this statute. |

|  |
| --- |
| **EPCRA 302 Extremely Hazardous:**  To the best of our knowledge, there are no chemicals at levels which require reporting under this statute. |

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| **EPCRA 313 Toxic Chemicals:**  To the best of our knowledge, there are no chemicals at levels which require reporting under this statute. |

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| **Proposition 65 - Carcinogens (>0.0%):**  To the best of our knowledge, there are no chemicals at levels which require reporting under this statute. |

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| **Proposition 65 - Developmental Toxins (>0.0%):**  To the best of our knowledge, there are no chemicals at levels which require reporting under this statute. |

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| **Proposition 65 - Female Repro Toxins (>0.0%):**  To the best of our knowledge, there are no chemicals at levels which require reporting under this statute. |

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| --- |
| **Proposition 65 - Male Repro Toxins (>0.0%):**  To the best of our knowledge, there are no chemicals at levels which require reporting under this statute. |

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| --- |
| **New Jersey RTK Substances (>1%) :**  To the best of our knowledge, there are no chemicals at levels which require reporting under this statute. |

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| --- |
| **Pennsylvania RTK Substances (>1%):** |

|  |  |
| --- | --- |
|  | Poly(tetrafluoroethene) |

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| --- |
| **16. Other information** |

|  |
| --- |
| The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders. |

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| --- |
| The full text of the phrases appearing in section 3 is: |

|  |
| --- |
| H319 Causes serious eye irritation. |

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| End of Document |