**K11 COMERCIAL IMPORTADORA LTDA-ME**
Rua. Dr. Olavo Egídio, 764 - cj.28 - Santana
São Paulo/SP - CEP: 02037-001 - BRASIL
Tel.: +55 11 3151-5124
Emergency (CEATOX): 0800 014 8110

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# SAFETY DATA SHEET

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

## SECTION 1: IDENTIFICATION

**Product name** TAPA FUGAS K11 2IN1

### 1.1 Other means of identification

**Product code(s)** TF K11 2IN1

**Synonyms** TF K11 2in1 SYRINGE - 10ml

**Product usage** Sealant plus dye for detecting refrigerant leaks in refrigeration and air conditioning systems.

**Restrictions** NA

### 1.2 Supplier details on safety data

**Manufacturer**
K11 COMERCIAL IMPORTADORA LTDA - ME
WWW.K11.COM.BR
CNPJ: 16.919.091/0001-01
Inscrição Estadual: 142722929119
Rua Dr. Olavo Egídio, 764 - CJ 28
SANTANA - São Paulo – SP - Brasil - CEP: 02037-001

**Email address** **k11@k11.com.br**

**Emergency telephone number**
CEATOX (CENTRO DE ASSISTÊNCIA TOXCOLÓGICA) - 0800 014 8110
SAMU 192 - FIRE DEPARTMENT 193 – IBAMA 152
Service of the Hospital das Clínicas of the Faculty of Medicine of USP receives calls from all over Brazil 24 hours a day

## SECTION 2: HAZARDS IDENTIFICATION

**GHS Classification** Not classified as dangerous under EC/GHS-criteria.

**Humam Health Hazard** None

**Physio-chemical and environmental hazard and effects** None

**Label Elements** None

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| INGREDIENT | % BY WEIGHT | CAS # | HAZARD | DANGER SYMBOL(S) |
|---|---|---|---|---|
| Fluorescent Dye | 5-15% | Trade Secret | None | None |
| Sealant | 85-95% | Trade Secret | None | None |

## SECTION 4: FIRST AID MEASURES

| | |
|---|---|
| **Swallowing** | Do not induce vomiting. Obtain medical attention if discomfort persists. This is not a toxic substance. |
| **Inhalation** | Remove to fresh air. If mist is present, see Section 8. |
| **Skin** | Wash skin with soap and water. |
| **Eye contact** | Flush eyes thoroughly with water for several minutes. Obtain medical attention if discomfort persists. |

## SECTION 5: FIRE-FIGHTING MEASURES

| | |
|---|---|
| **Flash Point** | > 93.4°C (200F) PMCC, ASTM D93 |
| **Appropriate extinguishing media** | Dry chemical<br>Carbon dioxide (in case of small fires)<br>Water fog<br>Foam<br>Sand or earth |
| **Inadequate extinguishing media** | Do not use water jet. Sealant will float on water and can spread any fire. |
| **Special firefighting procedures** | Do not direct a solid stream of water or foam into burning material; this may cause spattering and spread the fire. If a rail or tank truck is involved in a fire, ISOLATE for 800 meters (0.5 mile) in all directions.<br>Shut off fuel to fire if it is possible to do so without hazard. If this is impossible, withdraw from the area and let the fire burn out under controlled conditions. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tank due to fire. |
| **Special protective equipment for firefighters** | Self-contained breathing apparatus. |
| **Unusual fire and explosion hazards** | Following products may be produced during a fire: Oxides of carbon. |

## SECTION 6: ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| **Personal precautions** | Wear suitable protective equipment. |
| **Environmental precautions** | Avoid runoff to sewers or waterways.<br>Dike area of spill to prevent spreading and pump liquid to salvage tank.<br>Waste: avoid washing into watercourses.<br>Use methods consistent with local regulations or incinerate. |

### 6.1 Methods for cleaning up

Dike to contain spill.
Absorb on inert material such as sand, earth, vermiculite.
Stop the leak if it can be done without risk.
Floor may be slippery; use care to avoid falling.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Handling

Do not handle at temperatures >+40oC, unless wearing appropriate protective equipment.
General (mechanical) room ventilation is expected to be satisfactory for use at room temperature.

### 7.2 Storage

Keep away from heat, sparks and flame.
Store at temperatures between 5°C and 40°C.
Store sealed in original container protected from light.
Keep container tightly closed in a dry and well-ventilated place.

## SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

### 8.1 Exposure limit values

This product, as supplied, does not contain any hazardous materials with occupational exposure limits.

### 8.2 Occupational exposure controls

| | |
|---|---|
| **Respiratory protection** | None expected to be needed. If used in a way that generates a vapor/mist, wear an organic vapor respirator. |
| **Hand protection/protective gloves** | Wear oil resistant gloves. |
| **Eye protection** | Face shield or chemical splash goggles in case of splashing. |
| **Skin protection** | Wear protective clothing, such as long sleeves to minimize skin contact. |
| **Environmental Exposure Controls** | Store in a second containment to catch leakages. |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**The data below are typical values and do not constitute a specification.**

**APPEARANCE:**

| | |
|---|---|
| **Physical state** | Liquid |
| **Color** | Amber |
| **Odor** | None or Mild Petroleum |

**Important health, safety and environmental information**

| | |
|---|---|
| **Flammability** | No Data |
| **Evaporation Rate** | No Data |
| **Decomposition Temperature** | No Data |
| **Flash Point** | >93.4oC (200ºF) Method: PMCC, ASTM D93 |
| **Upper explosion limits** | Not determined |
| **Lower explosion limits** | Not determined |
| **Vapor Pressure** | Not Available |
| **Density** | 0.88 g/cm3 at 20oC |
| **Solubility in Water** | Insoluble |
| **Solubility in organic solvents** | Soluble |
| **Kinematic viscosity** | > 20.5 mm2/s at 40oC |
| **Boiling point** | N/A |
| **PH** | N/A |
| **Specific gravity (H2O=1)** | <1 |
| **Partitioning coefficient** | log POW: >6 This product is soluble in oil |
| **Vapor Density** | N/A |
| **Percent volatiles** | Nil |
| **Autoignition Temperature** | No Data |
| **Melting Point** | No aplicable |

## SECTION 10: STABILITY AND REACTIVITY

| | |
|---|---|
| **Reactivity** | May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc. |
| **Chemical Stability** | This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. |
| **Conditions/Materials to avoid** | Extreme temperature and direct sunlight/ultraviolet light and strong oxidizing agents. |
| **Hazardous combustion products** | Burning can produce the following combustion products: Oxides of carbon and Soot. |
| **Hazardous polymerization** | Hazardous polymerization will not occur. |

## SECTION 11: TOXICOLOGICAL INFORMATION

| | |
|---|---|
| **Eye Irritation** | The material is not considered an eye irritant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components. |
| **Acute Dermal Toxicity** | The material is not considered a dermal toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components. |
| **Skin Sensitization** | The material is not considered a skin sensitizer. The product has not been tested. The statement is based on evaluation of data for similar materials or product components. |
| **Acute Oral Toxicity** | The material is not considered an oral toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components. |
| **Acute Inhalation Toxicity** | The material is not considered an inhalation toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components. |
| **Germ Cell Mutagenicity** | The material is not considered a mutagen. The product has not been tested. The statement is based on evaluation of data for similar materials or product components. |
| **Carcinogenicity** | The material is not considered a carcinogen. The product has not been tested. The statement is based on evaluation of data for similar materials or product components. |
| **Reproductive Toxicity** | The material is not considered a reproductive toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components. |

## SECTION 12: ECOLOGICAL INFORMATION

This product is stable in water and can be mechanically separated from water. The water may be suitable for disposal in a biological wastewater treatment plant.

| | |
|---|---|
| **Biodegradability** | Inherently biodegradable. |

## SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with appropriate Federal, State and local regulations or incinerate.

## SECTION 14: TRANSPORT INFORMATION

| | |
|---|---|
| **ADR/RID/IMDG/ICAO** | This product is not regulated by ADR / RID / IMDG / IATA. |
| **USA** | This product is not regulated by DOT. |
| **TDG-CANADA** | This product is not regulated by TDG. |

## SECTION 15: REGULATORY INFORMATION

| | |
|---|---|
| **Clasificación EC/GHS** | According to EC/GHS regulations this product is not classified or labeled. |

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in SDS's that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statute are: ****NONE****

| | |
|---|---|
| **EPA Hazard Categories (SARA 311, 312):** | None |
| **WHMIS Classification** | This product is not a WHMIS controlled product. |

**CHEMICAL INVENTORY:**

| | |
|---|---|
| **Canada DSL** | Compliant. |
| **Europe EINECS** | Compliant. |
| **United States TSCA** | Compliant. |
| **Australia AIIC** | Compliant. |
| **China IECSC** | Compliant. |
| **Japan ENCS** | Compliant. |
| **Korea KECI** | Compliant. |
| **Philippine PICCS** | Not Compliant. |
| **New Zealand NZLoC** | Compliant. |
| **Taiwan TCSI** | Compliant. |

Product not classified as dangerous according to CE/GHS regulations.

## SECTION 16: OTHER INFORMATION

**HMIS RATING**

| | | | |
|---|---|---|---|
| Health: 0 | Flammability: 1 | Reactivity: 0 | PPI: x |

This Safety Data Sheet follows EC Directive 1907/2006.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose

**End of Safety Data Sheet**