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
Emergência (CEATOX): 0800 014 8110

K11DOCS_0012-EN/24 | **Revisão :** 1 | **Data:20**-set-2024

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

1.1 Other means of identification

Product code(s) TF K11

Synonyms TF K11 SERINGA – 10ml, TF K11 GS – 10ml, TFK11 REFIL – 60ml, TF MD 60ml, TF MD 118ml

Product Usage Refrigerant leak sealant 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 - CORPO DE BOMBEIROS 193 – IBAMA 152
Serviço do Hospital das Clínicas da Faculdade de Medicina da USP recebe ligações de todo o Brasil 24 horas

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)
Sealant	100	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	>93.4ºC (200ºF) PMCC, ASTM D93

Extinguishing media:

Suitable: Extinguish with:
- dry chemical
-carbon dioxide (in case of small fires)
-water fog
-foam
-sand or earth

Unsuitable: 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. Shut off fuel to fire if it is possible to do so without hazard. If this is possible, withdraw from the area and let the fire burn out under controlled conditions. Withdraw immediately in case of rising sound from vending 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.

Personal protective equipment required Avoid runoff to sewers of waterway. Dike area of spill to prevent spreading and pump liquid to salvage tank. Waste: avoid washing into watercourses. 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 note handle at temperatures >+40ºC, unless wearing appropriate protective equipment.

Ventilation General (mechanical) room ventilation is expected to be satisfactory for use at room temperature.

7.2 Storage

Storage requirements Keep away from heat, sparks and flame. Do note store at temperatures: >+40ºC without proper safety review of storage equipment. Store protected from light. Store sealed in original container.

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 be need. If used in a way that generates a vapor/mist, wear an organix 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	Water-white
Odor	None or Mild Petroleum
Odor Threshold	N/A

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	<0.1 kPa at 20ºC
Density	0.85 g/cm³ at 20ºC
Bulk Density	Not available
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	N/A

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	Bruning 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 Irritation	The material is not considered a skin irritant. The Product has not been tested. The statement is based on evaluation of data for similar materials or products 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 products 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 products components.
Acute Inhalation Toxicity	The material is not considered as inhalation toxicant. The Product has not been tested. The statement is based on evaluation of data for similar materials or products components.
Acute Toxicity Estimate	Not Determined
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 products 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 products 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 products components.
Specific Target Organ Toxicity	Single Exposure: The material is not considered a target organ toxicant (single exposure). The Product has not been tested. The statement is based on evaluation of data for similar materials or products components.
Specific Target Organ Toxicity	Repeated Exposure: The material is not considered a target organ toxicant (repeated exposure). The Product has not been tested. The statement is based on evaluation of data for similar materials or products components.
Aspiration Hazard:	The material is not considered an aspiration hazard.

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 waste 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

EC/GHS classification 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:

Canadá DSL	Compliant.
Europa EINECS	Compliant.
Estados Unidos TSCA	Compliant.
Austrália AIIC	Compliant.
China IECSC	Compliant.
Japão ENCS	Compliant.
Korea KECI	Compliant.
Filipinas PICCS	Compliant.
Nova Zelândia NZLoC	Compliant.
Taiwan TCSI	Compliant.

SECTION 16: OTHER INFORMATION

HMISS RATING

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

Dispose of in accordance with federal, state and local regulations or incinerate.

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