



Foam Insulation Tape

K-501; K-502

SDS Preparation Date (mm/dd/yyyy): 04/13/2015

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SECTION 1. IDENTIFICATION

Product identifier used on the label

: **Foam Insulation Tape**

Product Code(s) : K-501 (P/N475289); K-502 (P/N475290)

Recommended use of the chemical and restrictions on use

: Prevents pipe sweat.

Chemical family : Mixture. This article is a black, tacky rubber compound. It is supplied as a tape on a release paper.

Name, address, and telephone number of the supplier:

Parker Hannifin Corporation - Sporlan Division

206 Lange Drive
Washington, MO, U.S.A.
63090

Supplier's Telephone # : (636) 239-1111

24 Hr. Emergency Tel # : Chemtrec 1-800-424-9300 (Within Continental U.S.); Chemtrec 703-527-3887 (Outside U.S.).

Name, address, and telephone number of the manufacturer:

Refer to supplier

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

WHMIS information: This product is not a WHMIS controlled product in Canada. This product is considered to be a 'manufactured article'. The Controlled Products Regulations (CPR) do not apply to manufactured articles [Hazardous Products Act Section 12(i)].

OSHA: This product is considered an 'article' under 29 CFR Part 1910.1200. This material is not classified as hazardous under OSHA regulations (29 CFR Part 1910.1200).

Label elements

The following label information is applicable only to the United States according to OSHA Regulations (29 CFR 1910.1200) (Hazcom 2012):

Signal Word

Not required

Hazard statement(s)

None required.

Precautionary statement(s)

None required.

The following label information is applicable only to Canada according to the Canadian Controlled Products Regulations (CPR/WHMIS):

This product is not a WHMIS controlled product in Canada. As such, this product does not require a WHMIS Supplier label.

Other hazards

Other hazards which do not result in classification:

Burning produces obnoxious and toxic fumes. This product may release hydrogen sulfide (H₂S) if it is heated to high temperatures.



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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

This article is a black sponge rubber adhesive tape, It consists of a tacky sponge rubber with a paper release. No hazardous components are released under normal conditions.

| <u>Chemical name</u> | <u>CAS #</u> | <u>Concentration</u> |
|----------------------|--------------|----------------------|
| None reported. | Not reported | N/Ap |

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

- Ingestion* : Do NOT induce vomiting. Never give anything by mouth if victim is unconscious. If symptoms develop, seek medical attention.
- Inhalation* : Move to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing has stopped, give artificial respiration. Obtain medical advice.
- Skin contact* : Remove contaminated clothing. Wash affected areas with soap and water. Wash contaminated clothing before re-use. If irritation or symptoms develop, seek medical attention.
- Eye contact* : Rinse with plenty of water. Lift upper and lower lids during flushing to ensure complete removal of chemical. If irritation persists, seek prompt medical attention.

Most important symptoms and effects, both acute and delayed

- : Treat symptomatically.

Indication of any immediate medical attention and special treatment needed

- : May cause respiratory irritation. This product may release hydrogen sulfide (H₂S) if it is heated to high temperatures. Severe respiratory irritation (from vapours or mists) is possible. Could result in pulmonary edema (fluid accumulation). Symptoms of pulmonary edema (chest pain, shortness of breath) may be delayed.

Ingestion can cause gastrointestinal irritation, nausea, and diarrhea.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable extinguishing media* : Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.

- Unsuitable extinguishing media* : Do not use water jet, as this may spread burning material.

Special hazards arising from the substance or mixture / Conditions of flammability

- : None known or reported by the manufacturer.

Flammability classification (OSHA 29 CFR 1910.106)

- : Not flammable.

Explosion Data: Sensitivity to Mechanical Impact / Static Discharge:

- : Not expected to be sensitive to mechanical impact or static discharge.

Hazardous combustion products

- : Carbon oxides; formaldehyde; Nitrogen oxides (NO_x); Sulphur oxides; hydrogen sulphide; Other unidentified organic compounds.

Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

- : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Special fire-fighting procedures



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- : Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- : Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. Individuals involved in the cleanup must wear appropriate personal protective equipment. For personal protection see section 8.

Environmental precautions

- : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.

Methods and material for containment and cleaning up

- : Remove all sources of ignition. Stop spill or leak at source if safely possible. Ventilate area of release. Sweep up and shovel into suitable containers for disposal. Refer to Section 13 for disposal of contaminated material. Notify the appropriate authorities as required.

Special spill response procedures

- : If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).
 US CERCLA Reportable quantity (RQ): None reportable.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

- : Provide adequate ventilation. Use personal protective equipment as required. Avoid breathing fumes. Avoid contact with skin and eyes. Keep away from extreme heat and flame. Keep away from incompatibles. Keep containers closed when not in use. Wash thoroughly after handling.

Conditions for safe storage

- : Store in a cool, dry, well-ventilated area. Store away from incompatible materials. Protect from damage.

Incompatible materials

- : Acids; Strong oxidizing agents; Bases; Reducing agents .

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| <u>Exposure Limits:</u> | | | | |
|-------------------------|------------------|-------------|-----------------|-------------|
| <u>Chemical Name</u> | <u>ACGIH TLV</u> | | <u>OSHA PEL</u> | |
| | <u>TWA</u> | <u>STEL</u> | <u>PEL</u> | <u>STEL</u> |
| None reported. | N/Av | N/Av | N/Av | N/Av |

Exposure controls

Ventilation and engineering measures

- : Provide adequate ventilation. If product is processed in a manner that generates dusts or fumes, provide mechanical ventilation to control airbourne exposure levels.

Respiratory protection

- : Not required under normal conditions of handling. If product is processed in a manner that generates dusts or fumes, conduct air monitoring to assess the need for respiratory protection. If respiratory protection is warranted, wear NIOSH-approved respirators. Advice should be sought from respiratory protection specialists.

Skin protection

- : Not required under normal conditions of handling. For prolonged or repeated contact use protective gloves. Advice should be sought from glove suppliers.

Eye / face protection

- : Not required under normal conditions of handling. If product is processed in a manner that generates dusts or fumes, wear as appropriate: Safety glasses with side-shields; Goggles.



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Other protective equipment : An eyewash station and safety shower should be made available in the immediate working area. Other equipment may be required depending on workplace standards.

General hygiene considerations

: Avoid breathing fumes. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Solid article. This article is a black, tacky rubber compound. It is supplied as a tape on a release paper.

Odour : Not available.

Odour threshold : N/Av

pH : N/Av

Melting/Freezing point : N/Av

Initial boiling point and boiling range

: N/Av

Flash point : None.

Flashpoint (Method) : N/Av

Evaporation rate (BuAe = 1) : N/Av

Flammability (solid, gas) : Not flammable.

Lower flammable limit (% by vol.) : N/Av

Upper flammable limit (% by vol.) : N/Av

Oxidizing properties : None.

Explosive properties : Not explosive

Vapour pressure : N/Av

Vapour density : N/Av

Relative density / Specific gravity : N/Av

Solubility in water : insoluble

Other solubility(ies) : None known.

Partition coefficient: n-octanol/water or Coefficient of water/oil distribution

: N/Av

Auto-ignition temperature : N/Av

Decomposition temperature : Not available.

Viscosity : N/Av

Volatiles (% by weight) : Not available.

Volatile organic Compounds (VOC's) : None.

Absolute pressure of container : N/Av

Flame projection length : N/Av

Other physical/chemical comments : No additional information.



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SECTION 10. STABILITY AND REACTIVITY

- Reactivity** : Not a hazard under normal conditions of use.
- Chemical stability** : Stable under the recommended storage and handling conditions prescribed.
- Possibility of hazardous reactions** : None expected, when used as intended.
- Conditions to avoid** : Avoid heat and open flame. Avoid contact with incompatible materials. Do not use in areas without adequate ventilation.
- Incompatible materials** : Acids; Strong oxidizing agents; Bases; Reducing agents .
- Hazardous decomposition products** : None known, refer to hazardous combustion products in Section 5.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

- Routes of entry inhalation** : YES
- Routes of entry skin & eye** : YES
- Routes of entry Ingestion** : YES
- Routes of exposure skin absorption** : NO

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

- : May cause mild respiratory irritation at higher temperatures.

This product may release hydrogen sulfide (H₂S) if it is heated to high temperatures. Severe respiratory irritation (from vapours or mists) is possible. Could result in pulmonary edema (fluid accumulation). Symptoms of pulmonary edema (chest pain, shortness of breath) may be delayed.

Sign and symptoms ingestion

- : None expected, when used as intended. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Sign and symptoms skin

- : Direct skin contact may result in little or no irritation.

Sign and symptoms eyes

- : Causes little or no irritation.

Potential Chronic Health Effects

- : None known or reported by the manufacturer.

Mutagenicity

- : Not expected to be mutagenic in humans.

Carcinogenicity

- : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive effects & Teratogenicity

- : Not expected to have other reproductive effects.

Senitization to material

- : Not expected to be a skin or respiratory sensitizer.

Specific target organ effects

- : Eyes, skin, respiratory system and digestive system.

The substance or mixture is not classified as specific target organ toxicant, single exposure.

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Irritancy

- : Causes little or no irritation.



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Medical conditions aggravated by overexposure

: None known or reported by the manufacturer.

Synergistic materials

: Not available.

Toxicological data

: See below for individual ingredient acute toxicity data. No data is available on the product itself.

| <u>Chemical name</u> | <u>LC₅₀(4hr)</u> | <u>LD₅₀</u> | |
|----------------------|-----------------------------|------------------------|-------------------------|
| | <u>inh. rat</u> | <u>(Oral, rat)</u> | <u>(Rabbit, dermal)</u> |
| None reported. | N/Av | N/Av | N/Av |

Other important toxicological hazards

: None known.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

: As supplied, this product does not present a physical, health or environmental hazard.

No data is available on the product itself. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

Ecotoxicity data:

| <u>Ingredients</u> | CAS No | <u>Toxicity to Fish</u> | | |
|--------------------|--------------|-------------------------|----------------------|-----------------|
| | | <u>LC50 / 96h</u> | <u>NOEC / 21 day</u> | <u>M Factor</u> |
| None reported. | Not reported | N/Av | N/Av | N/Av |

| <u>Ingredients</u> | CAS No | <u>Toxicity to Daphnia</u> | | |
|--------------------|--------------|----------------------------|----------------------|-----------------|
| | | <u>EC50 / 48h</u> | <u>NOEC / 21 day</u> | <u>M Factor</u> |
| None reported. | Not reported | N/Av | N/Av | N/Av |

| <u>Ingredients</u> | CAS No | <u>Toxicity to Algae</u> | | |
|--------------------|--------------|--------------------------|--------------------------|-----------------|
| | | <u>EC50 / 96h or 72h</u> | <u>NOEC / 96h or 72h</u> | <u>M Factor</u> |
| None reported. | Not reported | N/Av | N/Av | N/Av |

Persistence and degradability

: No data is available on the product itself.

Bioaccumulation potential

: No data is available on the product itself.

Mobility in soil

: No data is available on the product itself.

Other Adverse Environmental effects

: No data is available on the product itself.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal

: See Section 7 (Handling and Storage) for further details.



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Methods of Disposal : Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

RCRA : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14. TRANSPORTATION INFORMATION

| Regulatory Information | UN Number | UN proper shipping name | Transport hazard class(es) | Packing Group | Label |
|---|-----------|-------------------------|----------------------------|---------------|-------|
| TDG | None | Not regulated. | Not regulated | none | |
| TDG Additional information | None. | | | | |
| 49CFR/DOT | None | Not regulated. | Not regulated | none | |
| 49CFR/DOT Additional information | None. | | | | |
| ICAO/IATA | None. | Not regulated. | Not regulated | none | |
| ICAO/IATA Additional information | None. | | | | |

Special precautions for user :
Environmental hazards : See ECOLOGICAL INFORMATION, Section 12.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
 :

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

| <u>Ingredients</u> | CAS # | TSCA Inventory | CERCLA Reportable Quantity(RQ) (40 CFR 117.302): | SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355: | SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical | |
|--------------------|--------------|----------------|--|--|---|--------------------------|
| | | | | | Toxic Chemical | de minimus Concentration |
| None reported. | Not reported | NS | NS | NS | NS | NS |



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US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

| <u>Ingredients</u> | CAS # | California Proposition 65 | | State "Right to Know" Lists | | | | | |
|--------------------|--------------|---------------------------|------------------|-----------------------------|----|----|----|----|----|
| | | Listed | Type of Toxicity | CA | MA | MN | NJ | PA | RI |
| None reported. | Not reported | No | NS | NS | NS | NS | NS | NS | NS |

Canadian Information:

Canadian WHMIS Classification: Refer to Section 2 for a WHMIS Classification for this product.

Canadian Environmental Protection Act (CEPA): All components of this product are on the Canadian DSL list.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

International Information:

Components listed below are present on the following International Inventory list:

| <u>Ingredients</u> | CAS # | European EINECs | Australia AICS | Philippines PICCS | Japan ENCS | Korea KECI/KECL | China IECSC | NewZealand IOC |
|--------------------|--------------|-----------------|----------------|-------------------|------------|-----------------|-------------|----------------|
| None reported. | Not reported | NS | NS | NS | NS | NS | NS | NS |

SECTION 16. OTHER INFORMATION



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Legend :

- ACGIH: American Conference of Governmental Industrial Hygienists
- CA: California
- CAS: Chemical Abstract Services
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
- CFR: Code of Federal Regulations
- DOT: Department of Transportation
- DSL: Domestic Substances List
- EPA: Environmental Protection Agency
- HMIS: Hazardous Materials Identification System
- HSDB: Hazardous Substances Data Bank
- IARC: International Agency for Research on Cancer
- Inh: Inhalation
- LC: Lethal Concentration
- LD: Lethal Dose
- MA: Massachusetts
- N/Ap: Not Applicable
- N/Av: Not Available
- NFPA: National Fire Protection Association
- NIOSH: National Institute of Occupational Safety and Health
- NJ: New Jersey
- NTP: National Toxicology Program
- OSHA: Occupational Safety and Health Administration
- PA: Pennsylvania
- PEL: Permissible exposure limit
- RCRA: Resource Conservation and Recovery Act
- RI: Rhode Island
- RTECS: Registry of Toxic Effects of Chemical Substances
- SARA: Superfund Amendments and Reauthorization Act
- STEL: Short Term Exposure Limit
- TDG: Canadian Transportation of Dangerous Goods Act & Regulations
- TLV: Threshold Limit Values
- WHMIS: Workplace Hazardous Materials Identification System

References :

1. ACGIH, Threshold Limit Values and Biological Exposure Indices for
2. Canadian Centre for Occupational Health and Safety, CCIInfoWeb Databases, 2015 (Chempendium, RTECS, HSDB, INCHEM).
3. Material Safety Data Sheets/Safety Data Sheets from manufacturer.
4. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2015.
5. US EPA Title III List of Lists
6. California Proposition 65 List

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Other special considerations for handling :

HMIS Rating :

| | | | | | | |
|----------------|--------------------|-------------|------------|----------------------|-------------|----------------------|
| | * - Chronic hazard | 0 - Minimal | 1 - Slight | 2 - Moderate | 3 - Serious | 4 - Severe |
| <i>Health:</i> | 1 | | | <i>Flammability:</i> | 1 | <i>Reactivity:</i> 0 |

NFPA Rating :

| | | | | | | |
|----------------|-------------|------------|----------------------|-------------|-----------------------|-------------------------------|
| | 0 - Minimal | 1 - Slight | 2 - Moderate | 3 - Serious | 4 - Severe | |
| <i>Health:</i> | 1 | | <i>Flammability:</i> | 1 | <i>Instability:</i> 0 | <i>Special Hazards:</i> None. |





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| <p>Prepared for: Parker Hannifin Corporation Sporlan Division 206 Lange Drive, Washington, MO, U.S.A. 63090 Telephone: (636) 239-1111 www.parker.com Direct all enquiries to: Parker Hannifin Corp. Sporlan Division.</p> |  |
| <p>Prepared by: ICC The Compliance Center Inc. Telephone: (888) 442-9628 (U.S.); (888) 977-4834 (Canada) http://www.thecompliancecenter.com</p> |  |

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