

Permatite Material Safety Data Sheet

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SECTION 1 CHEMICAL PRODUCT IDENTIFICATION

Product: PERMATITE 4 BOLT FLANGE SYSTEM GASKET TAPE
Synonyms/Other: Permatite 4 Bolt Flange Tape
Permatite 4 Bolt Flange Gasket
MSDS Number: 3
Product Type: Glazing / sealing compound
Preparation/Revision Date: 2012-06-14

SECTION 2 COMPOSITION INFORMATION

INGREDIENTS	CAS # / EINECS	%	OSHA TWA	OSHA STEL	ACGIH TWA	SKIN
Non-regulated components	Mixture	100	N/D*	N/D*	N/D*	NO

Comments: * Exposure limits not defined.

TWA – Time Weighted Average is the employee's average airborne exposure in any 8-hour work shift of a 40-hour work week which shall not be exceeded.

STEL – Short Term Exposure Limit is the employee's 15-minute time weighted average exposure which shall not be exceeded at any time during a work day unless another time limit is specified.

PEL – Permissible Exposure Limit averaged over an 8-hour workshift.

TLV – Threshold Limit Value averaged over an 8-hour workshift.

SECTION 3 HAZARDOUS IDENTIFICATION

WARNING: Not applicable.

Eye contact: Direct contact will scratch and irritate the eye.
Skin contact: This product is not expected to irritate the skin.
Inhalation: This product has a low vapor pressure and is not expected to be an inhalation irritant.
Ingestion: Do not ingest. Product is expected to be non-toxic.
Other: Not applicable.

SECTION 4 FIRST AID MEASURES

Eye contact: Remove gasket from eye. Get medical attention if irritation persists.
Skin contact: Wash contaminated area with soap and water. Wash contaminated clothing before reuse if skin is sensitive to gasket.
Inhalation: If overcome by hot vapors, remove to fresh air. Do not leave victim unattended. Seek immediate medical attention if necessary.
Ingestion: Do not induce vomiting. If vomiting occurs keep head below hips to prevent aspiration and monitor for breathing difficulty. Keep affected person warm and at rest. Seek immediate medical attention.
Other: Not applicable.

SECTION 5 FIRE FIGHTING MEASURES

Flash point: Not determined.
Flammable limits: Not determined.
Extinguishing media: Use water spray, dry chemical, alcohol foam, all purpose AFFF or carbon dioxide to extinguish fire.

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Special firefighting procedures:

Evacuate area and fight fire from a safe distance. If spill has not ignited, ventilate area and use water spray to disperse gas or vapor and to protect personnel attempting to stop a leak.

Fire fighters should wear MSHA/NIOSH approved positive pressure breathing apparatus (SCBA) with full face mask and full protective equipment.

Unusual fire & explosion hazards:

Dense smoke may be generated while burning. Toxic fumes, gases or vapors may evolve on burning. Heavy flammable vapors may settle along ground level and low spots to create an invisible fire hazard. The vapors may extend to sources of ignition and flash back.

Byproducts of combustion:

Fires involving this product may release oxides of carbon, nitrogen; reactive hydrocarbons and irritating vapors.

Autoignition temperature:

Not determined.

Explosion data:

Not determined.

Other:

Not applicable.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Spill control procedures (land):

Collect and place material in a solid waste container. Dispose of properly. In case of an accident or road spill contact INFOTRAC at 800.535.5053 and notify local authorities. For accidents outside of the USA and Canada call +1 352.323.3500.

Spill control procedures (water):

Remove from surface by skimming if floating. Material is not expected to affect water if removed. If a large spill occurs notify appropriate authorities (normally the National Response Center or Coast Guard at 800.424.8802).

Waste disposal method:

Dispose of this product as non-regulated solid waste if not contaminated with a regulated material. All disposals must comply with federal, state, and local regulations. Refer to state and local regulations. Department of Transportation (DOT) regulations may apply for transporting this material when adulterated. See Section 14.

Other:

Not applicable.

SECTION 7 HANDLING AND STORAGE

Handling procedures:

Keep containers closed when not in use. Do not transfer to unmarked containers.

Storage procedures:

Do not store product in excess of 49°C (120°F). Store containers in a cool, dry place away from sparks, open flame, acids or other oxidizing materials.

Additional information:

No additional information.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection:

Applicable mainly to persons in repeated contact situations such as packaging of product, installers and technicians, service/maintenance, and cleanup/spill control personnel.

Respiratory protection:

None required during intended use.

Eye protection:

None required during intended use.

Hand protection:

None required during intended use.

Other protection:

Not applicable.

Local control measures:

None required during intended use.

Other:

Always wash hands and face with soap and water before eating, drinking or smoking.

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Vapor pressure:	Not applicable. Non-volatile solid.
API gravity:	Not determined.
Volatile Organic Content (VOC):	Not applicable. Non-volatile solid.
Density:	Not determined.
Specific gravity:	Not determined.
Solubility:	Negligible in water, miscible in most petroleum solvents.
Percent volatile:	Not applicable. Non-volatile solid.
Vapor density (air=1):	Not applicable. Non-volatile solid.
Evaporation rate (n-Butyl Acetate=1):	Not applicable. Non-volatile solid.
Odor:	Not determined.
Appearance:	Gray, tape form.
Viscosity:	Not determined.
Boiling point:	Not determined.
Pour/Freeze point:	Not determined.
Other:	Typical penetration tests at 8.3 mm with 150 g load at 26°C (78°F).

SECTION 10 STABILITY AND REACTIVITY

Stability:	Material is stable at room temperatures and pressure.
Conditions to avoid:	Avoid high temperatures and product contamination.
Incompatibility with other materials:	Avoid contact with acids and oxidizing materials. Material may react strongly with chlorine, oxygen and concentrated acids.
Decomposition products:	Smoke, carbon monoxide and dioxide, and other aldehydes of incomplete combustion. Oxides of carbon and nitrogen; reactive hydrocarbons and irritating vapors.
Hazardous polymerization:	Will not occur.
Other:	Not applicable.

SECTION 11 TOXICOLOGICAL INFORMATION

Oral toxicity:	Not determined.
Dermal toxicity:	Not determined.
Inhalation toxicity:	Not determined.
Dermal sensitization:	Not determined.
Chronic toxicity:	Not determined.
Carcinogenicity:	The components of this material are not known to be carcinogenic by IARC, NTP, OSHA or ACGIH as known or suspected. See Section 11 - Other.
Mutagenicity:	Not determined.
Reproductive toxicity:	Not determined.
Other:	Not applicable.

SECTION 12 ECOLOGICAL INFORMATION

Environmental toxicity:	This material may not be toxic to aquatic organisms and should be kept out of sewage and drainage systems and all bodies of water.
Environmental fate:	Not determined.
Other:	Not applicable.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste disposal:	Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. This product unadulterated by other materials may be classified as a non-regulated waste in some areas - but still needs to be disposed of at approved facilities. Waste management should be in full compliance with federal, state,
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Disposal consideration: and local laws. This product may be disposed of as non-regulated non-hazardous waste. Look in a local telephone directory or internet for headings under, 'Waste', 'Waste Services', 'Waste Disposal', or contact local waste hauler for companies licensed to handle such material. Additional information can be obtained from local EPA, DNR, Sewer and Land-Fill sites. Unused, packaged product may be donated to other companies or charities.

Other: The transportation, storage, treatment and disposal of RCRA waste material must be conducted in compliance with 40 CFR 262, 263, 264, 268 and 270. Disposal can only occur in properly permitted facilities. Check state and local regulations for any additional requirements as these may be more restrictive than federal laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Disposal of this material must be conducted in compliance with all federal, state, and local regulations.

SECTION 14 TRANSPORT INFORMATION

U.S. DOT shipping description: Glazing Compound, N.O.S.
U.S. DOT identification number: Not applicable.
U.S. DOT hazard classification: Not applicable.
Packaging class: Not applicable.
Other: This DOT description is provided to assist in the proper classification of this product and may not be suitable for all shipping conditions.

SECTION 15 REGULATORY INFORMATION

Clean water act/oil pollution act: Not applicable.
TSCA: All components of this material are listed in the U.S. TSCA Inventory.
Other TSCA: Not applicable.
SARA Title III: Section 302/304 extremely hazardous substances:
 No known components are listed under Section 302/304.
 Section 311, 312 hazard categorization:
 Acute (immediate health effects): NO
 Chronic (delayed health effects): NO
 Fire (hazard): NO
 Reactivity (hazard): NO
 Pressure (sudden release hazard): NO
 Section 313 toxic chemicals:
 This product contains the following chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
 No chemicals listed.
CERCLA: For stationary/moving sources – reportable quantity:
 Not applicable.
Other: For very large releases, may be reportable to the Nation Response Center under the Clean Water Act, 33 U.S.C. 1321(b)(3) and (5) - see head of Section 15. Failure to report may result in substantial civil and criminal penalties.

SECTION 16 OTHER INFORMATION

	NFPA 704	NPCA-HMIS	KEY
HEALTH:	0	0	0 = Minimal
FIRE:	0	0	1 = Slight
REACTIVITY:	0	0	2 = Moderate
SPECIFIC HAZARD:	NONE	N/A	3 = Serious

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PROTECTION INDEX: N/A A 4 = Severe

Precautionary labels: Not applicable.

External information: This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, Permatite must rely upon information provided by those materials' manufacturers or distributors.

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Revisions / Comments:

Updated and revised the following:

MSDS format version III (ANSI 16-section format)

Review content