

Common Name: TEFLON THREAD TAPE (PTFE SEAL TAPE) (USED IN INSTALLATION KITS)

Manufacturer: BRASS CRAFT

MSDS Revision Date: 7/26/2004

Grainger Item Number(s): 5E514, 5E515, 5E516

Manufacturer Model Number(s): PS1051, PS1054, PS1059

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BRASS(R*) CRAFT

NUMBER: MSDS-02-000011

DATE CREATED: 07/26/2004

CREATED BY: RENEE PAUL/CORPORATE/BRASSCRAFT

DEPARTMENT: ENGINEERING

TYPE: MSDS

REVIEW DATE: 07/31/2005

(*)PLANT LOCATION: 02-NOVI

(*) REQUIRED MSDS USE: PRODUCT

APPROVAL AND DISTRIBUTION INFORMATION:

APPROVER: JERI SUNISLOE/CORPORATE/BRASSCRAFT

EFFECTIVE DATE: 07/26/2004

ONLINE DISTRIBUTION LIST

OFFLINE DISTRIBUTION LIST

SECTION 1 - GENERAL INFORMATION

(*) ITEM ID: 5E514, 5E515, 5E516

ITEM DESCRIPTION:

TEFLON THREAD TAPE (PTFE SEAL TAPE) (USED IN INSTALLATION KITS)

(*) EMERGENCY TELEPHONE NUMBER: 1-800-535-5053

(*) DATE PREPARED: 1/1/03

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION



HAZARDOUS COMPONENTS	CAS #	APPROX. %	ACGIH-TLV	OSHA-PEL
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NONE

OTHER INGREDIENTS:

POLYTETRAFLUOROETHYLENE	9002-84-0	100		
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INSTRUCTIONS:

TITLE III SECTION 313 SUPPLIER NOTIFICATION:

THIS PRODUCT CONTAINS TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1966 AND OF 40CFR372. THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

SPECIAL HAZARD DESIGNATIONS:

HMS - HEALTH:	0
HMS - FLAMMABILITY:	0
HMS - REACTIVITY:	0
HMS - PROTECTIVE EQUIPMENT:	NONE

NFPA - HEALTH:

NFPA - FLAMMABILITY:

NFPA - REACTIVITY:

NFPA - PROTECTIVE EQUIPMENT:

INSTRUCTIONS:

USE THE FOLLOWING HAZARD RATING TABLE TO FILL -IN THE ABOVE SPECIAL HAZARD DESIGNATIONS:

HAZARD RATING:

0-MINIMAL

1-SLIGHT

2-MODERATE

3-SERIOUS

4-SEVERE

SHIPPING INFORMATION:

SHIPPING INFORMATION: NOT HAZARDOUS FOR SHIPPING PURPOSES

SECTION 3 - PHYSICAL/CHEMICAL DATA



APPEARANCE: SOLID TAPE

ODOR: NONE

BOILING POINT: N/A

SPECIFIC GRAVITY (H2O=1): .4-1.2

VAPOR PRESSURE (MM HG.): N/A

VOLATILE BY VOLUME (%): N/A

VAPOR DENSITY (AIR=1): N/A

EVAPORATION RATE (BUAC=1): N/A

SOLUBILITY IN WATER: INSOLUBLE

SECTION 4 - REACTIVITY DATA



STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: TEMPERATURES ABOVE 280 C WITHOUT ADEQUATE VENTILATION

INCOMPATIBILITY (MATERIALS TO AVOID):

MOLTEN ALKALI, CERTAIN HALOGEN PRODUCTS, AND FLUORINE (AT HIGH TEMPERATURES AND PRESSURE).

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

ABOVE 535 F, THIS PRODUCT MAY EVOLVE TOXIC GASEOUS MATERIALS SUCH AS HYDROGEN FLUORIDE, CARBONYL FLUORIDE AND PERFLUOROOLEFING. PARTICULATE MATTER EVOLVED FROM OVERHEATING MAY CAUSE POLYMER FUME FEVER.

CONDITIONS TO AVOID: NONE

SECTION 5 - FIRE & EXPLOSION DATA



FLASHPOINT (METHOD USED): NON-FLAMMABLE

LEL LIMITS: N/A

UEL LIMITS: N/A

FIRE EXTINGUISHING MEDIA: WATER, FOAM, DRY CHEMICAL OR CARBON DIOXIDE

SPECIAL FIRE FIGHTING PROCEDURES:

WEAR SELF-CONTAINED BREATHING APPARATUS. WEAR FULL PROTECTIVE EQUIPMENT. PROTECT FROM HYDROGEN FLUORIDE FUMES WHICH REACT WITH WATER TO FORM HYDROFLUORIC ACID. WEAR NEOPRENE GLOVES WHEN HANDLING REFUSE FROM A FIRE INVOLVING PTFE.

UNUSUAL FIRE & EXPLOSION HAZARD:

PTFE WILL BURN IN AN ATMOSPHERE OF 95% OXYGEN WHEN AN IGNITION SOURCE IS PRESENT. HAZARDOUS GASES/VAPORS PRODUCED IN A FIRE ARE HYDROGEN FLUORIDE (HF), CARBONYL FLUORIDE, PERFLUOROOLEFING, CARBON ANOXIDE AND LOW MOLECULAR WEIGHT FLUOROCARBONS.

SECTION 6 - HEALTH HAZARD DATA



PRIMARY ROUTES OF ENTRY:

INHALATION: (X)

SKIN CONTACT: (X)

EYE CONTACT: (X)

INGESTION: ()

CARCINOGENICITY:

NPT:

IARC MONOGRAPHS:
OSHA REGULATED:

EFFECT OF OVER-EXPOSURE (ACUTE & CHRONIC): NONE

SIGNS & SYMPTOMS OF EXPOSURE: NONE

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

PTFE IS NOT LISTED BY IARC, NTP, OSHA, OR ACGIH AS A CARCINOGEN. NO SIGNIFICANT ADVERSE EFFECTS ANTICIPATED. REPEATED ORAL DOSES OF THE POLYMER RESIN YIELDED NO TOXIC EFFECTS EXCEPT FOR ALTERATION IN THE NUMBER OF CIRCULATING WHITE BLOOD CELLS AFTER LONG-TERM DOSING. TESTS DEMONSTRATE NO DEVELOPMENTAL TOXICITY IN ANIMALS, AND NO GENETIC DAMAGE IN ANIMALS OR IN BACTERIAL CELL CULTURES.

EMERGENCY & FIRST-AID PROCEDURES:

INHALATION:

THIS PRODUCT IS UNLIKELY TO CAUSE MEDICAL PROBLEMS UNLESS PRODUCT IS UNDER EXTREME HEAT. IF FUMES ARE INHALED, MOVE TO FRESH AIR.

SKIN CONTACT: WASH WITH SOAP & WATER.

EYE CONTACT:

FLUSH WITH WATER FOR AT LEAST 15 MINUTES. OBTAIN MEDICAL ATTENTION.

INGESTION:

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING & USE



STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: N/A

WASTE DISPOSAL METHOD:

DISCARDED PRODUCT IS NOT A HAZARDOUS WASTE UNDER RCRA, 40 CFR 261. PREFERRED OPTIONS FOR DISPOSAL ARE RECYCLING AND LANDFILL. INCINERATE ONLY IF INCINERATOR IS CAPABLE OF SCRUBBING OUT HYDROGEN FLUORIDE AND OTHER ACIDIC COMBUSTION PRODUCTS. TREATMENT, STORAGE, TRANSPORTATION, AND DISPOSAL MUST BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

PRECAUTIONS IN HANDLING & STORAGE:

ENFORCE NO-SMOKING RULE IN AREAS WHERE PTFE IS HANDLED OR STORED. WASH HANDS AND FACE AFTER HANDLING TO AVOID TRANSFER OF PTFE INTO CIGARETTES AND TOBACCO.

OTHER PRECAUTIONS: NONE

SECTION 8 - CONTROL MEASURES



GENERAL:

RESPIRATORY PROTECTION (SPECIFY TYPE):

WHEN USED AT HIGH TEMPERATURE, TOXIC FUMES WILL BE PRODUCED FROM THERMAL DEGRADATION AND/OR DECOMPOSITION OF PTFE AND THEREFORE, PROPER VENTILATION EQUIPMENT SHALL BE INSTALLED AND USED.

RESPIRATORY PROTECTION: SEE ABOVE IN GENERAL

EYE PROTECTION: N/A

SKIN PROTECTION: N/A

HAND PROTECTION: N/A

VENTILATION - EXHAUST:

VENTILATION - MECHANICAL:

VENTILATION - SPECIAL:

VENTILATION - OTHER: NONE

WORK/HYGENIC PRACTICES:

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N/A

GENERAL:

SECTION 9 - REGULATORY INFORMATION & US FEDERAL REGULATIONS



SARA 311 AND 312 HAZARD CATEGORIES:

IMMEDIATE HEALTH HAZARD:

YES

NO

FIRE HAZARD:

YES

NO

DELAYED HEALTH HAZARD:

YES

NO

REACTIVITY:

YES

NO

TSCA:

YES

NO

SUDDEN PRESSURE RELEASE:

YES

NO

US FEDERAL REGULATIONS:

SARA SECTION 313:

OZONE DEPLETING:

SPECIFIC INFORMATION:

VOC:

US STATE REGULATIONS:

CANADIAN REGULATIONS:

EUROPEAN REGULATIONS:

INTERNATIONAL REGULATIONS:

MITI:

RISK CODE:

MITI CODE 1:

MITI CODE 2:

SECTION 10 - OTHER INFORMATION



RECOMMENDATIONS/RESTRICTIONS:
ADDRESS:

SOURCES OF KEY DATA USED TO COMPILE:

CHANGE REQUEST:
REQUESTED BY: RENEE PAUL/CORPORATE/BRASSCRAFT

REQUEST DATE: 07/26/2004

REVISION HISTORY:

REV.	REASON FOR CHANGE	APPROVED BY	EFFECTIVE
2		JERI SUNISLOE/CORPORATE/BRASSCRAFT	07/26/2004
1		JERI SUNISLOE/CORPORATE/BRASSCRAFT	07/21/2004

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ACTIVITIES:

COMMENTS:
DRAFT: RENEE PAUL/CORPORATE/BRASSCRAFT, 26-JUL-2004
APPROVAL: JERI SUNISLOE/CORPORATE/BRASSCRAFT, 26-JUL-2004

PHASE	ASSIGNED TO	SUBMITTED	DATE DUE	COMPLETED
DRAFT	RENEE PAUL/CORPORATE/BRASSCRAFT	07/26/2004	07/31/2004	07/26/2004
APPROVAL	JERI SUNISLOE/CORPORATE/BRASSCRAFT	07/26/2004	07/29/2004	07/26/2004