

MSDS: 2SF75

ITEM: 5A413

99LW0020

DROP LOCATION: P2-701

ORDER: 0111740812

MATERIAL SAFETY DATA SHEET (MSDS)

This MSDS should be attached or kept with the respective product with which it is associated.

MATERIAL SAFETY DATA SHEET - 2SF75

Associated Grainger Items

3VH79, 3VH80, 3VH81, 5A408, 5A409, 5A410, 5A411, 5A412, 5A413

5A408-5A413, 3VH79-3VH81

SPECIALTY PRODUCTS

TENNECO PACKAGING

MATERIAL SAFETY DATA SHEET

I - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PALLETECH(TM) X SERIES HAND WRAP FILM

SUPPLIER: TENNECO PACKAGING

1603 ORRINGTON AVENUE

EVANSTON, ILLINOIS 60201-3853

CONTACTS: FOR PRODUCT AND MSDS INFORMATION, TELEPHONE YOUR TENNECO PACKAGING STRETCH FILM PRODUCTS SALES REPRESENTATIVE OR YOUR TENNECO PACKAGING CUSTOMER SERVICE REPRESENTATIVE

II - COMPOSITION/INGREDIENTS INFORMATION

INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH: THIS PRODUCT IS NOT FORMULATED TO CONTAIN INGREDIENTS WHICH HAVE EXPOSURE LIMITS ESTABLISHED BY REGULATORY AGENCIES. IT IS NOT HAZARDOUS TO HEALTH AS DEFINED BY THE EUROPEAN UNION DANGEROUS SUBSTANCES/PREPARATIONS DIRECTIVES. SEE SECTION XV FOR A REGULATORY ANALYSIS OF INGREDIENTS. SEE SECTION VIII FOR EXPOSURE LIMITS (IF APPLICABLE)

III - HAZARDS IDENTIFICATION

U.S. OSHA HAZARD COMMUNICATION: PRODUCT ASSESSED IN ACCORDANCE WITH OSHA REQUIREMENTS PER 29 CFR 1910.1200 AND DETERMINED TO BE NOT HAZARDOUS

EFFECTS OF OVER EXPOSURE: NO SIGNIFICANT EFFECTS EXPECTED

EMERGENCY RESPONSE DATA: CLEAR PLASTIC FILM. EXPOSURE TO FIRE CAN GENERATE TOXIC FUMES. D.O.T. ERG NO.: N/A

IV - FIRST AID MEASURES

EYE CONTACT: NOT EXPECTED TO BE A PROBLEM
SKIN CONTACT: NOT EXPECTED TO BE A PROBLEM
INHALATION: NOT EXPECTED TO BE A PROBLEM
INGESTION: NOT EXPECTED TO BE A PROBLEM

V - FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM, DRY CHEMICAL AND WATER FOG

Placed into MSDS
no phone #s,
Date prepared or
DHC, or ERG.

SPECIAL FIRE FIGHTING PROCEDURES: USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL. IF A LEAK OR SPILL HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS AND TO PROTECT PERSONNEL ATTEMPTING TO STOP LEAK. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURES. PREVENT FIRE CONTROL OR DILUTION RUNOFF FROM ENTERING STREAMS, SEWERS, OR DRINKING WATER SUPPLY

SPECIAL PROTECTIVE EQUIPMENT: FOR FIRES IN ENCLOSED AREAS, FIRE FIGHTERS MUST USE SELF-CONTAINED BREATHING APPARATUS

UNUSUAL FIRE & EXPLOSION HAZARDS: EXPOSURE TO FIRE CAN GENERATE TOXIC FUMES

FLASH POINT: NOT EST. FLAMMABLE LIMITS: NOT EST.

NFPA HAZARD IDENTIFICATION: HEALTH=0 FLAMMABILITY=1 REACTIVITY=0

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE; ACETALDEHYDE; FORMALDEHYDE; FORMIC ACID; ACETIC ACID

VI - ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: NOT EXPECTED TO BE A PROBLEM

RELEASE/SPILL PROCEDURES: PICK UP AND DISPOSE AS NORMAL REFUSE

ENVIRONMENTAL PRECAUTIONS: PREVENT SPILLS FROM ENTERING STORM SEWERS/DRAINS AND PREVENT CONTACT WITH SOIL

PERSONAL PRECAUTIONS: SEE SECTION VIII

VII - HANDLING AND STORAGE

HANDLING: WARNING! THIN PLASTIC FILM, WHEN USED TO WRAP PALLET LOADS, CAN BUILD A STATIC ELECTRICAL CHARGE WHICH MAY CREATE A POSSIBLE FIRE OR EXPLOSION HAZARD. DO NOT APPLY OR REMOVE THE WRAP WHERE POTENTIALLY FLAMMABLE AIR/DUST OR AIR/VAPOR MIXTURES MAY EXIST. TO MINIMIZE STATIC ELECTRICITY BUILDUP, CUT AWAY FILM FROM WRAPPED LOADS. DO NOT STRIP OR UNWIND FILM

STORAGE: STORE IN A COOL AREA

VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: USE IN WELL VENTILATED AREA

RESPIRATORY PROTECTION: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE AND WITH ADEQUATE VENTILATION

EYE PROTECTION: NORMAL INDUSTRIAL EYE PROTECTION PRACTICES SHOULD BE EMPLOYED

SKIN PROTECTION: NO SPECIAL PROTECTION REQUIRED

EXPOSURE LIMITS: THIS PRODUCT DOES NOT CONTAIN ANY COMPONENTS WHICH HAVE RECOGNIZED EXPOSURE LIMITS

IX - TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: FLEXIBLE PLASTIC FILM

AUTO FLAMMABILITY: NOT ESTABLISHED

COLOR: CLEAR OR TINTED

FLASH POINT: NOT ESTABLISHED

FREEZING POINT: NOT ESTABLISHED

MELTING POINT: >105C/221F

ODOR: SLIGHT
PARTITION COEFFICIENT: NOT ESTABLISHED
RELATIVE DENSITY, 15/4: 0.91-0.92
VOLATILE ORGANIC COMPOUND: NOT ESTABLISHED
WATER SOLUBILITY: NEGLIGIBLE

REQUEST ADDITIONAL, TECHNICAL INFORMATION ON STRETCH FILMS PHYSICAL PROPERTIES
FROM SALES REPRESENTATIVES

X - STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.): STABLE
CONDITIONS TO AVOID: EXTREME HEAT
INCOMPATIBILITY: STRONG OXIDIZERS
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE; ACETALDEHYDE;
FORMALDEHYDE; FORMIC ACID; ACETIC ACID
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

XI - TOXICOLOGICAL DATA

ORAL TOXICITY (RATS): PRACTICALLY NON-TOXIC (LD50: >2000 MG/KG), BASED ON
TESTS OF SIMILAR PRODUCTS AND/OR THE COMPONENTS

DERMAL TOXICITY (RABBITS): PRACTICALLY NON-TOXIC (LD50: >2000 MG/KG), BASED
ON TESTS OF SIMILAR PRODUCTS AND/OR THE COMPONENTS

INHALATION TOXICITY (RATS): PRACTICALLY NON-TOXIC (LC50: >5 MG/L), BASED ON
TESTS OF SIMILAR PRODUCTS AND/OR THE COMPONENTS

EYE IRRITATION (RABBITS): PRACTICALLY NON-IRRITATING (DRAIZE SCORE: >/=0,
</=6)

SKIN IRRITATION (RABBITS): PRACTICALLY NON-IRRITATING (PRIMARY IRRITATION
INDEX: </=0.5)

XII - ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS: PHOTODEGRADES UNDER LENGTHY EXPOSURE TO UV
LIGHT. PROPER INCINERATION YIELDS CARBON DIOXIDE AND WATER. MAY NOT
DECOMPOSE IN MODERN SANITARY LANDFILLS. MAY BE RECYCLED, WHERE COLLECTION
INFRASTRUCTURE AND RECYCLING FACILITIES EXIST (SFI RECYCLING CODE 4)

XIII - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: DISPOSE OF WASTE AS NORMAL REFUSE

RCRA INFORMATION: THE UNUSED PRODUCT IS NOT, IN OUR OPINION, SPECIFICALLY
LISTED BY U.S. EPA AS A HAZARDOUS WASTE (40 CFR 261D). IT IS NOT FORMULATED
TO CONTAIN MATERIALS WHICH ARE LISTED HAZARDOUS WASTES. IT DOES NOT EXHIBIT
THE HAZARDOUS CHARACTERISTICS OF IGNITABILITY, CORROSIVITY, OR REACTIVITY, AND
IT IS NOT FORMULATED WITH CONTAMINANTS AS DETERMINED BY THE TOXICITY
CHARACTERISTIC LEACHING PROCEDURE (TCLP). USED PRODUCT, HOWEVER, MAY BE
REGULATED

XIV - TRANSPORT INFORMATION

U.S. D.O.T.: NOT REGULATED
I.M.O.: NOT REGULATED
I.A.T.A.: NOT REGULATED

XV - REGULATORY INFORMATION

TSCA: ALL COMPONENTS COMPLY WITH U.S. TOXIC SUBSTANCES CONTROL ACT
REQUIREMENTS

SARA TITLE III: PRODUCT CONTAINS NO "EXTREMELY HAZARDOUS SUBSTANCES"

SARA 311/312: REPORTABLE HAZARD CATEGORIES: NONE APPLICABLE

SARA 313: PRODUCT CONTAINS NO CHEMICALS REPORTABLE UNDER SARA (313) TOXIC
RELEASE PROGRAM

OTHER: PRODUCT CONTAINS NO INGREDIENTS REPORTABLE UNDER ANY OF 25 STATE,
FEDERAL, OR INTERNATIONAL RIGHT-TO-KNOW LAWS OR REGULATORY LISTS. CONSULT
MANUFACTURER'S PRODUCT STEWARDSHIP DEPARTMENT FOR COMPLIANCE STATUS
INFORMATION WITH RESPECT TO SPECIFIC REGULATIONS

XVI - OTHER INFORMATION

OSHA PRECAUTIONARY LABEL TEXT: WARNING! THIN PLASTIC FILM, WHEN USED TO WRAP
PALLET LOADS, CAN BUILD A STATIC ELECTRICAL CHARGE, WHICH MAY CREATE A
POSSIBLE FIRE OR EXPLOSION HAZARD. DO NOT APPLY OR REMOVE THE WRAP WHERE
POTENTIALLY FLAMMABLE AIR/DUST OR AIR/VAPOR MIXTURES MAY EXIST. TO MINIMIZE
STATIC ELECTRICITY BUILDUP, CUT AWAY FILM FROM WRAPPED LOADS. DO NOT STRIP
OR UNWIND FILM

CHEMICAL NAMES AND SYNONYMS: POLYETHYLENE

INTENDED USE: PROTECTIVE PACKAGING FILM/TRANSPORT PACKAGING FILM

INGREDIENTS: POLYETHYLENE (CAS NO. 09002-88-4)
POLYBUTENE (CAS NO. 09003-29-6)

INFORMATION SET FORTH HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT
WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR
PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE
THEREFORE ASSUMED BY THE USER, AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF
EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT.
NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS
OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE
HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

PREPARED BY: TENNECO PACKAGING/SPECIALTY PRODUCTS
PRODUCT STEWARDSHIP DEPARTMENT
1163 PITTSFORD - VICTOR ROAD
PITTSFORD, NEW YORK 14534-3088