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

I - PRODUCT AND COMPANY IDENTIFICATION

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

SUPPLIER: TENNECO PACKAGING
1603 OXINGTON 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 IV FOR A REGULATORY
ANALYSIS OF INGREDIENTS. SEE SECTION VIII FOR EXPOSURE LIMITS (IF APPLICABLE)

III - HAZARDS IDENTIFICATION

U.S. OSHA HAZARDOUS COMMUNICATION: PRODUCT COMPLIES 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

SKIN CONTACT: NOT EXPECTED TO BE A PROBLEM
SEIZ 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 PIG
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 FLOOD 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. FLAMMABLE LIMIT: NOT EST. REACTIVITY: 0.

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 PRECAUTION: 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 BUIlDEup, 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 COMPONENT WHICH HAVE RECOGNIZED EXPOSURE LIMITS.

IX - TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: FLEXIBLE PLASTIC FILM

PLASTIC FLAMMABILITY: NOT ESTABLISHED

COLOR: CLEAR OR TINTED

FLASH POINT: NOT ESTABLISHED

FREEZING POINT: NOT ESTABLISHED

MELTING POINT: >105°C/221°F.
GOOD: SLIGHT

PARTITION COEFFICIENT: NOT ESTABLISHED
RELATIVE DENSITY, 15/4: 0.81-0.93
VOLATILE ORGANIC COMPOUND: NOT ESTABLISHED
WATER SOLUBILITY: NEGLIGIBLE

REQUEST ADDITIONAL, TECHNICAL INFORMATION ON PHYSICAL PROPERTIES
FROM SALES REPRESENTATIVES

II - 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

III - TOXICOLOGICAL DATA

Oral Toxicity (Rats): Practically Non-Toxic (LD50: >2000 mg/kg), based on
tests of similar products and/or the components

Dermal Toxicity (Rats): 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: >/=4)

Skin Irritation (Rabbits): Practically Non-Irritating (Primary Irritation
Index: >/=0.5)

IV - 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 (SRT Recycling Code 4)

V - 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 241). 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

VI - TRANSPORT INFORMATION

U.S. D.O.T.: NOT REGULATED
I.N.R.O.: NOT REGULATED
I.A.T.A.: NOT REGULATED
Regulatory Information

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

SARA 311/312: REPORTABLE HAZARD CATEGORIES: NONE APPLICABLE

SARA 201: PRODUCT CONTAINS NO CHEMICALS REPORTABLE UNDER SARA (311) 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

Other Information

OSHA PRECAUTIONARY LABEL TEXT: WARNING! THIS 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/ODOR OR AIR/VAPOR MIXTURES MAY EXIST. TO MINIMIZE STATIC ELECTRICITY BUILDUP, CUT AWAY FILM FROM WRAPPED LOADS. DO NOT STRIP OR UNWRAP FILM

CHEMICAL NAMES AND STERICITIONS: POLYETHYLENE

INTENDED USE: PROTECTIVE PACKAGING FILM/TRANSPORT PACKAGING FILM

INGREDIENTS: POLYETHYLENE (CAS NO. 09002-08-4)
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 AND INSTALLATION 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 USER 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: TREMCO PACKAGING/SPECIALTY PRODUCTS
PRODUCT STEWARDSHIP DEPARTMENT
1163 PITTSFORD - VICTOR ROAD
PITTSFORD, NEW YORK 14534-1088