TERPHANE INC.

TERPHANE POLYESTER FILM 04.02, 22.00, 22.07, 22.51 and 24.00

Material Safety Data SheetDate Prepared: 06/14/2011 Supersedes: None

1. CHEMICAL PRODUCT AND COMPANY DESCRIPTION

TERPHANE INC.
2754 West Park Drive
Bloomfield, NY 14469

Emergency Phone Numbers:
FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT CONTACT:
Within US call 800-451-8346
International collect call 1-760-602-8703

For Product Information:
(585) 657-5800

Chemical Name or Synonym:
POLYETHYLENE TEREPHTHALATE (COATED) FLMS; PET (COATED) FILMS

Molecular Formula:
$(C_{10}H_8O_4)_n$

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Reg. Number	OSHA Hazard	Percentage
Polyethylene Terephthalate (89%)	25038-59-9		N
Polyvinylidene Chloride (11%)	9002-85-1		N

3. HAZARDS IDENTIFICATION/EMERGENCY OVERVIEW

Physical Appearance and Odor: clear film / solid, odorless.

Warning Statements: Based on currently available data, this product does not meet the regulatory definition of a hazardous substance. However, good industrial hygiene practices should be used in handling it.

POTENTIAL HEALTH EFFECTS:

Acute Eye: Non-irritating.

Acute Skin: Non-irritating. Skin absorption not likely.

Acute Inhalation: Inhalation not likely.

Acute Ingestion: Ingestion not likely.

Chronic Effects: This product does not contain any ingredient designated by IARC, NTP, ACGIH, or OSHA as possible or suspected human carcinogens.

4. FIRST AID MEASURES

Eye Exposure: Rinse particulate matter from eye. Seek medical attention if irritation develops or persists or if visual changes occur.

Skin Exposure: In case of contact, wash with plenty of soap and water. Seek medical attention if irritation develops or persists.

Inhalation: Inhalation is not an expected route of exposure.

Ingestion: No harmful effects expected. If appreciable quantities are swallowed, call a physician or poison control center. Do not leave victim unattended.

Medical Conditions Possibly Aggravated by Exposure: No adverse effects anticipated.

NOTES TO PHYSICIAN: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Treat symptomatically. No specific antidote available.

5. FIRE FIGHTING MEASURES

Flash Point: >93 C (200 F). Flammability Class: WILL BURN

Method Used: Closed cup

Flammability Limits (vol./vol.):	**Lower:**	**Upper:**
	No Data	No Data

Extinguishing Media: foam, water, dry chemical, and carbon dioxide.

Special Fire Fighting Procedures: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

Unusual Fire and Explosion Hazards: Product will burn under fire conditions.

Hazardous Decomposition Materials (Under Fire Conditions): aldehydes, oxides of carbon, acrolein, hydrogen chloride (HCl).

6. ACCIDENTAL RELEASE MEASURES

Evacuation Procedures and Safety: Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

Containment of Spill: Follow procedures described below under Cleanup and Disposal of Spill.

Cleanup and Disposal of Spill: Sweep up and place in an appropriate closed container. (See Section 7: Handling and Storage).

Environmental and Regulatory Reporting: No reporting requirements are known. See Section 13 for waste disposal considerations.

7. HANDLING AND STORAGE

Minimum/Maximum Storage Temperatures: Not Available.

Handling: Avoid breathing dusts or vapors. Avoid direct or prolonged contact with skin and eyes.

During processing film can pick up strong static charge. Discharge into dust or solvent laden air may cause a flash fire or explosion.

Storage: Store in an area that is dry, sheltered.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Introductory Remarks: These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations.

Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

Exposure Guidelines: No exposure limits were found for this product or any of its ingredients.

Engineering Controls: Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: general area dilution/exhaust ventilation.

Respiratory Protection: When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations in accordance with the appropriate regulatory standards and/or industrial recommendations.

For reasonably foreseeable industrial end uses of this material, respiratory protection should not be necessary.

Eye/Face Protection: Eye and face protection requirements will vary dependant upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.

It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environments.

Skin Protection: Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance.

Work Practice Controls: Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet. Wash exposed skin promptly to remove accidental splashes of contact with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties here represent typical properties of this product. Contact the business area using the Product Information phone number in Section 1 for it's exact specifications.

Physical Appearance: clear film/solid

Odor: odorless

pH: not applicable

Specific Gravity: ~1.4

Water Solubility: insoluble

Melting Point Range: ~260 ºC (500 F)

Boiling Point Range: Not Available

Vapor Pressure: Negligible @ 20ºC (68 F)

Vapor Density: Not Available

Percent Volatiles by Volume: 0.8

10. STABILITY AND REACTIVITY

Chemical Stability: This material is stable under normal handling and storage conditions described in Section 7.

Conditions to Be Avoided: extreme heat.

Materials/Chemicals to Be Avoided: strong bases, strong acids, and water at high temperatures.

Decomposition Temperature Range: > 235 C (455 F).

Hazardous Decomposition Products (under fire conditions): oxides of carbon, acetaldehyde.

Hazardous Polymerization: will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Eye Irritation: none.

Acute Skin Irritation: No test data found for product.

Acute Dermal Toxicity: No test data found for this product.

Acute Respiratory Inhalation: No test data found for this product.

Acute Inhalation Toxicity: No test data found for this product.

Acute Oral Toxicity: No test data found for this product.

Chronic Toxicity: This product does not contain any substances that are considered by OSHA, NTP, IARC, or ACGIH to be “probable” or “suspected” human carcinogens.

No additional test data found for product.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information: No data found for this product.

Chemical Fate Information: No data found for this product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations.

Consult state and local regulations regarding the proper disposal of this material.

Container Handling and Disposal: Not Applicable.

EPA Hazardous Waste: No.

14. TRANSPORTATION INFORMATION

Transportation Status: The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

US Department of Transportation Shipping Name: NOT REGULATED.

15. REGULATORY INFORMATION

Inventory	Status
UNITED STATES (TSCA)	Y
CANADA (DSL)	Y
EUROPE (EINECS/ELINCS)	P
AUSTRALIA (AICS)	Y
JAPAN (MITI)	Y
SOUTH KOREA (KECL)	Y

Y= All ingredients are on inventory.
E= All ingredients are on the inventory or exempt from listing.
P= One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.
N= Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

FEDERAL REGULATIONS

Inventory Issues: All functional components of this product are listed on the TSCA Inventory.

SARA Title III Hazard Classes:

Fire Hazard	No
Reactive Hazard	No
Release of Pressure	No
Acute Health Hazard	No
Chronic Health Hazard	No

State Regulations: This product does Not Contain any components that are regulated under California Proposition 65.

16. OTHER INFORMATION

National Fire Protection Association Hazard Ratings (NFPA):
0 Health Hazard Rating—Minimal
1 Flammability Rating—Slight
0 Instability Rating—Minimal

National Paint & Coating Hazardous Materials Identification System (HMIS):
0 Health Hazard Rating—Minimal
1 Flammability Rating—Slight
0 Reactivity Rating—Minimal

REASON(S) FOR REVISION(S): New Product MSDS.

Key Legend Information:

ACGIH-American Conference of Governmental Industrial Hygienists
OSHA-Occupational Safety and Health Administration
TLV-Threshold Limit Value
PEL-Permissible Exposure Limit
TWA-Time Weighted Average
STEL-Short Term Exposure Limit
NTP-National Toxicology Program
IARC-International Agency for Research on Cancer
ND-Not Determined

Disclaimer: The information herein is given in good faith but no warranty, expressed or implied, is made.