

REEF INDUSTRIES INC
SAFETY DATA SHEET
PERMALON® PLY X-100, PLY X-150, PLY X-210

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATIONS AND OF THE COMPANY UNDERTAKING

Product Name: Permalon® PLY X-100 PLY X-150, PLY X-210
Product Description: Laminated Flexible Plastic Sheeting
Manufacturer/Supplier: Reef Industries Inc. 9209 Almeda Genoa Road Houston, TX 77075
Phone Number: (800) 231-6074 (Monday – Friday 8:00 am to 5:00 pm)
24 Hr Number: 713 507-4349
Revision Date: 30 December 2024 **Revision:** 2
SDS Date: 1 April 2013

Safety Data Sheet according to OSHA's Hazcom Standard (1910.1200 App C)

2. HAZARDS IDENTIFICATION

Emergency Overview Laminated plastic films. Not considered Hazardous

Potential Health Effects

Eyes: May cause irritation if exposed to fumes from burning material

Skin: No adverse effects to skin under normal ambient conditions. If heated to elevated temperatures, contact may cause thermal burns.

Ingestion: Not likely to be ingested in present form. Very low toxicity if particles are swallowed, may cause choking.

Inhalation: Vapors/fumes released during high heat or burning of product may cause respiratory irritation. Should not breathe fumes if this occurs. Product is not intended for high heat applications, product cannot be inhaled in solid state at ambient temperature.

Acute Health Hazards: None. Does not apply.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Oriented Polyethylene/polyolefin films

One or more of the following components is included in the product depending on color.

Component Name	CAS#/Codes
Linear Low Density Polyethylene	25087-34-7
Low Density Polyethylene	24937-78-8
High Density Polyethylene	9002-88-4
Carbon Black	1333-86-4
UV Inhibitor	52829-07-9

4. FIRST AID MEASURES

Eyes

Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

REEF INDUSTRIES INC
SAFETY DATA SHEET
PERMALON® PLY X-100, PLY X-150, PLY X-210

Skin

If molten material comes in contact with skin, cool under ice water or running stream of water. Do not attempt to remove the material from the skin as this may result in severe tissue damage. Seek medical attention immediately.

Ingestion

If swallowed seek medical attention. May cause gastrointestinal blockage. Obtain medical attention immediately.

Inhalation

Remove person to fresh air if fumes are inhaled from burning product. Seek medical attention if symptoms persist.

Advice to Physicians

Treat symptomatically.

5. FIRE -FIGHTING MEASURES

Flammable limits in Air, UPPER: Not Applicable
(% By Volume) LOWER: Not applicable

Flash Point: Not Available

Autoignition Temperature: Not Available

Extinguishing Media: Water spray, carbon dioxide and dry chemical.

Unusual Fire and Explosion Hazard: Hydrocarbon oxidation products including CO and CO2 can be formed during combustion.

Hazardous Decomposition Products: Not Applicable.

6. ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Not Applicable.

7. HANDLING AND STORAGE

Use safe handling practices to avoid physical injury. Storage class (TRGS 510): 11: Combustible Solids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Not applicable

Ventilation: Not Applicable

Respiratory Protection: Not applicable

Eye Protection: Not applicable

Skin Protection: Not applicable

Exposure Guidelines: Not applicable.

REEF INDUSTRIES INC
SAFETY DATA SHEET
PERMALON® PLY X-100, PLY X-150, PLY X-210

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Polyethylene films with linear grooved pattern

Color: Natural clear or black

Odor: typical polyethylene odor

PH: Not applicable

Specific Gravity: .895 - .965

Boiling Range/Point (°C/F): Not applicable

Melting Point (°C/F): 90-135 °C

Flash Point (PMCC) (°C/F): Not known

Vapor Pressure: Not applicable

Vapor Density: (Air=1) Not applicable

Solubility in Water: Nil, Insoluble

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Conditions to Avoid

-Heat -High temperatures

Materials to Avoid

None known

Hazardous Decomposition Products

Hydrocarbon oxidation products - oxides of carbon - hydrocarbons - aldehydes - oligomers- smoke - acrid fumes.

11. TOXICOLOGICAL INFORMATION

Toxicological Information: Carbon Black is classified as a Group 2B possible human carcinogen. When encapsulated in a plastic matrix, risk or exposure is minimized.

Acute Toxicity

Low order of acute toxicity.

Chronic Toxicity/Carcinogenicity

This product is not expected to cause long term adverse health effects.

Genotoxicity

This product is not expected to cause any mutagenic effects.

Reproductive/Developmental Toxicity

This product is not expected to cause adverse reproductive effects.

12. ECOLOGICAL INFORMATION

Mobility

No relevant studies identified.

Persistence/Degradability

No relevant studies identified.

Bioaccumulation

No relevant studies identified

Ecotoxicity

The product may be harmful to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable local and national regulations.

14. TRANSPORT INFORMATION

DOT CFR 172.101 Data

Transportation (IATA)

Not Regulated

Further information Not classified as dangerous in the meaning of transport regulations.

REEF INDUSTRIES INC
SAFETY DATA SHEET
PERMALON® PLY X-100, PLY X-150, PLY X-210

15. REGULATORY INFORMATION

NFPA Ratings

NFPA Code for Flammability -1
NFPA Code for Health -1
NFPA Code for Reactivity -0
NFPA Code for Special Hazards - 0

WHMIS Class: Not Regulated - Manufactured Article

In accordance with SARA Title III, Section 313, this product contains the following chemicals subject to reporting: Antimony Compounds @ < 3%

In accordance with SARA 302, 304, this product contains the following chemicals subject to reporting: None

CERCLA Section 103 Because no constituents of the plastic film are released to the environment under normal conditions of use, it is not subject to reporting.

In accordance with California Proposition 65, this product contains the following registered chemicals: Antimony and Arsenic compounds in a film.

16. OTHER INFORMATION

Abbreviations

N/A: Denotes no applicable information found or available
CAS#: Chemical Abstracts Service Number
ACGIH: American Conference of Governmental Industrial Hygienists
OSHA: Occupational Safety and Health Administration
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
STEL: Short Term Exposure Limit
NTP: National Toxicology Program
IARC: International Agency for Research on Cancer

The information and recommendations presented in this MSDS are based on sources believed to be accurate. Reef Industries Incorporation assumes no liability for the accuracy or completeness of this information. It is the user's responsibility to determine the suitability of the material for their particular purposes. In particular, we make NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, with respect to such information, and we assume no liability resulting from its use. Users should ensure that any use or disposal of the material is in accordance with applicable Federal, State, and local laws and regulations.