

TMI INTERNATIONAL, LLC
SAFETY DATA SHEET (SDS)



LOW TEMPERATURE CLEAR FLEXIBLE PVC SHEET

SECTION 1 | IDENTIFICATION

Product Name/Identifier: 11 Compound Flexible PVC
Description: Low Temperature Clear Flexible PVC Sheet
Supplier Information: TMI International, LLC
Corporate Headquarters:
5350 Campbells Run Road
Pittsburgh, PA 15205
1.800.888.9750 or 412.787.9750

SECTION 2 | HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label elements

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance - Pellets

Physical State - Solid

Odor – No data available

Hazards not otherwise classified (HNOC)

None known

Unknown acute toxicity

Not Applicable

Other Information

None known

SECTION 3 | COMPOSITION/INFORMATION ON INGREDIENTS

The components of this product are embedded in an impervious polymer matrix and are therefore not biologically available. Any hazardous constituents are fixed in the polymer matrix and therefore present a negligible exposure risk under normal conditions of processing and handling. Additives contained in this product do not pose a risk to health unless they are liberated during processing (fumes from melting, dusts). Suitable Industrial Hygiene precautions should be implemented to prevent (respirable) dust and fume exposures. Exposure to (melting) fumes should be kept as low as possible, using suitable ventilation equipment. Dusts and fumes created from secondary processing may be irritating to respiratory tract and skin and should be considered as potentially hazardous. If user operations generate dust, fumes, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

TMI INTERNATIONAL, LLC
SAFETY DATA SHEET (SDS)



LOW TEMPERATURE CLEAR FLEXIBLE PVC SHEET

SECTION 4 | FIRST-AID MEASURES

First Aid Measures

Eye contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if symptoms occur.
Skin Contact	Wash with soap and water.
Inhalation	None under normal use conditions.
Ingestion	Get medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms	No information available.
----------	---------------------------

Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically
--------------------	-----------------------

SECTION 5 | FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical, CO2 or water spray.

Unsuitable Extinguishing Media

No information available.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous combustion products

In case of fire, may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, (dense) black smoke, aldehydes, organic acids.

Explosion data

Sensitivity to Mechanical Impact	No information available.
Sensitivity to Static Discharge	Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Protective equipment and precautions for firefighters

Use personal protective equipment as required. In the event of fire and/or explosion do not breathe fumes.

SECTION 6 | ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Use personal protective equipment as required.
Other Information	Not Applicable.

Environmental Precautions

Environmental Precautions	Do not allow into any sewer, on the ground or into any body of water.
---------------------------	---

Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
-------------------------	---

TMI INTERNATIONAL, LLC
SAFETY DATA SHEET (SDS)



LOW TEMPERATURE CLEAR FLEXIBLE PVC SHEET

Methods for Clean-Up

Pick up and transfer to properly labeled containers.

SECTION 7 | HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed.

Incompatible Materials

None known based on information supplied

SECTION 8 | EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Appropriate engineering controls

Engineering Controls

Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face Protection

Wear safety glasses with side shields (or goggles).

Skin and Body Protection

No special technical protective measures are necessary.

Respiratory Protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 | PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State

Solid

Appearance

Pellets

Color

No information available

Odor

No information available

Odor Threshold

No information available

Property

Values

pH

Not Applicable

Melting point/freezing point

Not Applicable

Boiling point / boiling range

Not Applicable

Flash Point

Not Applicable

Evaporation Rate

Not Applicable

Flammability (solid, gas)

Not Applicable

Flammability Limit in Air

Not Applicable

Upper Flammability Limit

Not Applicable

Lower Flammability Limit

Not Applicable

Vapor Pressure

Not Applicable

TMI INTERNATIONAL, LLC
SAFETY DATA SHEET (SDS)



LOW TEMPERATURE CLEAR FLEXIBLE PVC SHEET

Vapor Density	Not Applicable
Specific Gravity	Not Applicable
Water solubility	Negligible
Solubility in other solvents	Not Applicable
Partition coefficient	Not Applicable
Autoignition Temperature	Not Applicable
Decomposition temperature	Not Applicable
Kinematic viscosity	Not Applicable
Dynamic viscosity	Not Applicable
Explosive properties	Not Applicable
Oxidizing properties	Not Applicable

SECTION 10 | STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under normal conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Avoid overheating to minimize fume production.

Incompatible Materials

None known based on information supplied.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating and toxic gases and vapors

SECTION 11 | TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	Avoid breathing vapors or mists.
Eye contact	No data available.
Skin Contact	No data available.
Ingestion	No data available.

Information on toxicological effects

Symptoms	No information available.
----------	---------------------------

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.

TMI INTERNATIONAL, LLC
SAFETY DATA SHEET (SDS)



LOW TEMPERATURE CLEAR FLEXIBLE PVC SHEET

Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	Not Applicable.

Numerical measures of toxicity - Product Information

No information available

SECTION 12 | ECOLOGICAL INFORMATION

Ecotoxicity

No information available.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility

No information available.

Other adverse effects

The components of this product are embedded in an impervious matrix, therefore not biologically available.

SECTION 13 | DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Dispose of in accordance with federal, state and local regulations.

SECTION 14 | TRANSPORT INFORMATION

DOT	Not regulated
IATA	Not regulated
IMDG	Not regulated

SECTION 15 | REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

TMI INTERNATIONAL, LLC
SAFETY DATA SHEET (SDS)



LOW TEMPERATURE CLEAR FLEXIBLE PVC SHEET

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	NO
Chronic Health Hazard	NO
Fire hazard	NO
Sudden release of pressure hazard	NO
Reactive Hazard	NO

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

Other Regulations

EU Regulation (EC) No. 1907/2006 (REACH)

As formulated, this product contains one or more SVHC

Chemical Name	EU - REACH (1907/2006) - Article 59(1) - Candidate List of Substances for Eventual Inclusion in Annex XIV
PHENOL, 2-(2H-BENZOTRIAZOL-2-Y - 25973-55-1	Reason for inclusion: PBT, vPvB, Article 57 d, e

EU - Hazardous Substances Restricted or Prohibited in Electrical Equipment (2011/65/EU) (RoHS)

As formulated, this compound complies with the EU RoHS Directive (2011/65/EU) (RoHS 2) and does not contain any restricted materials above threshold levels. The RoHS directive restricts the use of Lead, Cadmium, Chrome VI, Mercury, PBBs and all PBDE materials.

Conflict Minerals

As formulated, the raw materials used in this product do not intentionally contain any of the "Conflict Minerals". Conflict Minerals consist of Gold, Columbite-Tantalite (Tantalum), Casserite (Tin), and Wolframite (Tungsten) that originate from the Democratic Republic of Congo or adjoining countries.

SECTION 16 | OTHER INFORMATION

NFPA

Health Hazards	0
Flammability	0
Instability	0
Physical and Chemical Properties	-
Revision Date	05/27/2015

Disclaimer

To the best of our knowledge, the information contained herein is correct and accurate but does not purport to be all inclusive and shall be used only as a guide. The information relates only to the specific material designated. TMI International, LLC, nor any

TMI INTERNATIONAL, LLC
SAFETY DATA SHEET (SDS)



LOW TEMPERATURE CLEAR FLEXIBLE PVC SHEET

of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. TMI International, LLC warrants only that the goods sold shall conform to TMI's standard specifications or such other mutually agreed-to and documented specification. This express warranty is in lieu of and excludes all other express warranties and is extended only to Buyer. TMI INTERNATIONAL, LLC EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES INCLUDING THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND MAKES NO WARRANTY AS TO THE RESULTS BUYER CAN EXPECT FROM BUYER'S USE OF THE GOODS. No employee or agent of TMI International, LLC is authorized to make warranties about goods sold by TMI International, LLC, and Buyer should not rely on any oral or written communications from employees or agents of TMI International, LLC that purport to constitute a warranty. Any assistance furnished by TMI International, LLC in the selection of goods or suggestions as to their processing or use are accepted by Buyer at Buyer's own risk, and TMI International, LLC shall not be liable to Buyer for results obtained by Buyer from such assistance or suggestions. In no event and under no circumstances will TMI International, LLC be liable for consequential damages of any kind.