



SAFETY DATA SHEET: Heat Transfer Vinyl (EasySubli®)

SECTION 1. IDENTIFICATION

Product Identifier (Trade Name): Heat Transfer Vinyl (EasySubli®)
Other Means of Identification: EasySubli®
Recommended use of the chemical and restrictions on use: Decoration and heat transfer film for use on textiles.
Do not use in any other manner without prior discussion with supplier

Name (of manufacturer, importer or other responsible party): Siser North America
Address: 12900 hall Road Suite 270 Sterling Heights, MI 48313
Telephone/Emergency Phone Number: 866.301.9409 Monday through Friday 8:30am to 5:00pm EST

SECTION 2. HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with paragraph (d) of § 1910.1200:
This product is considered to be an Article in accordance with the HCS 2012 and as such , this product does not require an SDS.

Classification (GHS-US)

GHS-US Labeling

Hazard Pictograms : Not applicable
Signal Word : Not applicable
Hazard Statements : Not applicable
Precautionary Statements : Not applicable

Hazard not otherwise classified: No additional information available

Unknown acute toxicity: 100% of the mixture consists of ingredient(s) of unknown acute toxicity. no information suggests any ingredients in this product are toxic.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable

Mixture

This product does not represent any health hazards according to the US OSHA HCS 2012 and Canadian WHMIS 2015 requirements; therefore, disclosure of the components is not required.

Name	CAS Number	%
Toluene	108-88-3	<0.1%
Dimethylformamide	68-12-2	<0.1%
Iso-Butanol	78-83-1	<0.1%
1-Methoxy-2-Propanol	107-98-2	<0.1%

SECTION 4: FIRST AID MEASURES

Description of First aid measures:

Inhalation: No specific inhalation first aid is anticipated as inhalation is not anticipated to be hazardous. When cutting this material, dusts may be formed which may cause slight irritation (nuisance particulate). In case of irritation, remove person to fresh air. If other symptoms occur, or if irritation persists, seek medical attention.

Skin contact: This product is not anticipated to be hazardous upon skin contact, but wash hands after handling large quantities of material to avoid getting dusts in eyes. If any irritation or other symptoms occur, get medical advice/attention. Contact with heated/molten material may cause thermal burns. In case of contact with molten material, cool rapidly with cold water and DO NOT attempt to remove material from skin. Obtain medical attention for thermal burns immediately.

Eye Contact: rinse cautiously with water for several minutes. remove contact lenses, if present and easy to do. Continue rinsing to remove dusts from eye. may cause irritation like any dist. Chemical irritation not anticipated. If eye irritation occurs, get medical advice/attention. See skin contact information above for contact with molten material.

Ingestion: Ingestion of the film may cause choking or a blockage in the gastrointestinal tract due to the physical nature of the film. Not anticipated to cause a chemical hazard. If dust gets into mouth, rinse mouth thoroughly. DO NOT swallow and DO NOT induce vomiting. Obtain medical attention.



SAFETY DATA SHEET: Heat Transfer Vinyl (EasySubli™)

SECTION 4: FIRST AID MEASURES (continued)

Ingestion: Ingestion of the film may cause choking or a blockage in the gastrointestinal tract due to the physical nature of the film. Not anticipated to cause a chemical hazard. If dust gets into mouth, rinse mouth thoroughly. DO NOT swallow and DO NOT induce vomiting. Obtain medical attention.

Most important symptoms and effects, acute and delayed: not anticipated to cause more than nuisance irritation (respiratory/eyes) in case of contact with the dust (nuisance particulate) following anticipated exposures to this material. Contact with molten/heated material may cause thermal burns.

Indication of any immediate medical attention and special treatment needed: No additional information available.

SECTION 5: FIRE FIGHTING MEASURES

Suitable and Unsuitable Extinguishing Media:

Suitable extinguishing media: Use extinguishing media appropriate for surrounding area. Foam. Dry powder. Carbon dioxide. Water spray.

Unsuitable extinguishing media: Do not use a heavy water stream.

Specific hazards arising from the chemical: Product may support combustion but is not classified as flammable. May release hazardous combustion products including carbon oxides, volatile flammable hydrocarbons such as ethylene gas and other flammable and combustible compounds may be released when the polymer is heated at elevated temperatures above 130°C for a prolonged period of time or in case of fire. These chemicals can accumulate in confined spaces, resulting in a fire/explosion hazard. Dusts of this product may be combustible if dispersed in air if a spark is present. Avoid dust build up during cutting and avoid clean up methods which disperse dusts in air.

Special protective equipment and precautions for fire-fighters: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid release of fire-fighting water to the environment. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Equip cleanup crew with proper protection. See Section 8 for recommended Personal Protective Equipment. If spill involves molten material, do not touch material unless you are wearing thermally-resistant gear to clean up spill.

Methods and material for containment and cleaning up: In solid film form, clean up methods are not necessary. Film may be picked up. If molten, allow product to cool in place and scrape up once it hardens. Dusts of this product produced during cutting may be combustible if dispersed in air. Avoid dust build up during cutting and avoid clean up methods which disperse dusts in air. If cleaning up dusts of this material use a vacuum.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Wash hands and other exposed areas with soap and water before eating, drinking, smoking and when leaving work. Avoid inhalation of dusts of this material that may be produced during cutting. If handling hot or molten product, wear thermally-resistant protective equipment to avoid burns.

Conditions for safe storage, including any incompatibilities: Keep in the original container in a cool, well ventilated place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Nuisance Particulates		
ACGIH	TLV TWA (mg/m ³)	Insoluble or poorly soluble particles, Not Otherwise Specified 3 mg/m ³ (respirable) 10 mg/m ³ (inhalable)
OSHA	PEL TWA (mg/m ³)	Nuisance Particulates: 15 mg/m ³ (50 mppcf*) TWA

*Millions of particles per cubic foot of air

Appropriate Engineering Controls: The anticipated use of the product is not anticipated to require specific engineering controls. Normal room ventilation is anticipated to be adequate. If product will be cut during your use, and airborne dusts of the material may be released, ensure you use explosion-proof ventilation equipment. For any other uses consult the manufacturer and/or a health and safety professional.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Individual protection measures, such as personal protective equipment:

Hand protection: Not normally required.
 Eye protection: Not normally required.
 Respiratory protection: In anticipated use, respiratory protection is not anticipated to be necessary. In case of release of dusts or vapors from heated films, wear suitable respiratory equipment.
 Other information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

Appearance	: Solid film, in various colors
Odor	: Odorless
Odor Threshold	: Not applicable
pH	: Not applicable
Melting Point / Freezing Point	: <200°C
initial boiling Point and Boiling Range	: Not available
Flash Point	: <200°C
Evaporation Rate	: Not applicable
Flammability (solid, gas)	: Not available
Upper/Lower Flammability or Explosive Limits	: Not available
Vapor Pressure	: Not applicable
Vapor Density	: Not applicable
Relative Density	: Not available
Solubility(ies)	: Insoluble in water
Partition Coefficient: n-octanol/water	: Not applicable
Autoignition Temperature	: >300°C
Decomposition Temperature	: PET's decompose rapidly above 285°C
Viscosity	: Not applicable

SECTION 10: STABILITY and REACTIVITY

Reactivity: Not anticipated to be reactive under anticipated conditions of use

Chemical Stability: Stable under normal conditions

Possibility of hazardous reactions: not expected to present a significant hazard under anticipated conditions of normal use. PETs start to decompose slowly at about 130°C when heated for prolonged periods and decompose rapidly above 285°C

Conditions to avoid: direct sunlight as this may warp the film or alter the colors. Extremely high or low temperatures (which may alternatively melt the film or make it brittle). Keep humidity of storage area around 50% or lower.

Incompatible materials: None known

Hazardous decomposition products: Thermal decomposition forms cross-linked polymer, benzoic acid, flammable substances such as methane, hydrogen gas, ethylene, benzene; combustible substances such as naphthalene compounds and acetophenone; very toxic substances such as carbon dioxide, carbon monoxide, formaldehyde, acetaldehyde and other low molecular weight organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure: Likely routes of exposure include skin contact, eye contact, inhalation or ingestion.

Symptoms related to the physical, chemical and toxicological characteristics: Not anticipated to cause more than nuisance irritation (respiratory/eyes) in case of contact with the dust (nuisance particulate) following anticipated exposures to this material. Contact with molten/heated material may cause thermal burns.

Delayed and immediate effects and also chronic effects from short - and long-term exposure:

Acute toxicity	: Not classified (Component information is not available).
Skin corrosion/irritation	: Based on the known hazards of the ingredients, this product is not anticipated to be classified as a skin irritant or corrosive.
Serious eye damage/irritation	: Based on the known hazards of the ingredients, this product is not anticipated to be classified as an eye irritant or corrosive.
Respiratory or skin sensitization	: Based on the known hazards of the ingredients, this product is not anticipated to be classified as a respiratory or skin sensitizer.
Germ cell mutagenicity	: Based on the known hazards of the ingredients, this product is not anticipated to be classified as a mutagen.
Carcinogenicity	: The components, present at 0.1% or greater are not listed on the NTP, IARC, OSHA, or ACGIH list of carcinogens.



SAFETY DATA SHEET: Heat Transfer Vinyl (EasySubli™)

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Carcinogenicity : The components, present at 0.1% or greater are not listed on the NTP, IARC, OSHA, or ACGIH list of carcinogens.
- Reproductive toxicity : Based on the known hazards of the ingredients, this product is not anticipated to be classified as a reproductive toxin.
- Specific target organ toxicity (single exposure) : Based on the known hazards of the ingredients, this product is not anticipated to be classified as a specific target organ toxicant (single exposure).
- Specific target organ toxicity (repeated exposure) : Based on the known hazards of the ingredients, this product is not anticipated to be classified as a specific target organ toxicant (repeated exposure).
- Aspiration hazard : This product is not anticipated to be an aspiration hazard.

Numerical Measures of Toxicity: Mixture data is not available

Product Acute Toxicity Estimates: Cannot be calculated

SECTION 12: ECOLOGICAL INFORMATION

Ectotoxicity: not determined

Persistence and Degradability: Not determined

Bioaccumulative potential: not determined

Mobility in Soil: Not determined

Other Adverse Effects: Not determined

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of product in accordance with local, state, federal or international requirements.

SECTION 14: TRANSPORT INFORMATION

In accordance with DOT/TDG

UN Number: Not regulated

UN Shipping Name: Not applicable

Transport Hazard Class(es): Not applicable

Environmental Hazards (Marine pollutant Yes/No): Not applicable

Transport in Bulk (according to Annex II or MARPOL 73/78 and the IBC Code): Not applicable

Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises: No additional precautions

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product in question: Not determined.

TSCA Status - all of the components of this product are listed on the TSCA Inventory. no components are subject to the export notifications of TSCA.



SECTION 16: OTHER INFORMATION

Date of preparation of the SDS or the last change to it: April 20th, 2018

Acronyms (not defined elsewhere):

ACGIH	American Conference of Governmental Industrial Hygienists
AIHA	American Industrial Hygiene Association
EC50	Effective Concentration, 50%
LC50	lethal Concentration, 50%
LD50	Lethal Dose, 50%
IARC	International Agency for Research on Cancer
MSHA	Mine Safety and health Administration (US)
NIOSH	National Institute for Occupational Safety and Health (US)
SARA	Superfund Amendments and Reauthorization Act
STEL	Short-Term Exposure Limit
TDG	Transportation of Dangerous Goods (Canada)
US DOT	United States department of Transport

SDS US/Canada (HazCom 2012)

DISCLAIMER OF LIABILITY:

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This Safety Data Sheet complements, but does not replace, our Technical Data Sheet.

For suggested application technique, please visit www.siserna.com.