

*** Section 1 - Chemical Product and Company Identification ***

Material Name: 3D Surfx™ Laminates by Surteco

Chemical Description: Decorated PVC films which contain a topcoat or primer.

Synonyms: None

Manufacturer Information

Surteco North America
Auburn Facility
95 Hickory Drive
Auburn, PA 17922-0429

Phone: 570.366.1051. Fax: 570.366.4058

www.surteco.com

24 Hour Emergency # 1 800 424 9300 (CHEMTREC)
Outside of the U.S.A. call CHEMTREC in Arlington, Virginia,
(USA) @ 703 527 3887

General Comments

NOTE: CHEMTREC telephone number is to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to customer service. .

Recipients of this Material Safety Data Sheet should study it carefully to become aware of and understand the health or physical hazards associated with this product. It may be appropriate or necessary to consult experts or reference books about safe handling, ventilation, toxicology, environmental regulations and fire prevention in order to sufficiently understand the Material Safety Data Sheet. Employers should inform workers and any others who are potentially or actually exposed to health or physical hazards associated with this product.

*** Section 2 – Hazards Identification ***

Emergency Overview

Product is a solid. No unusual conditions are expected from this product during normal use. The metallic elements contained in this product are expected to be biologically unavailable if ingested or inhaled. Thermal processing fumes may cause irritation to eyes, skin and respiratory system. Toxic fumes may be released during combustion.

Potential Health Effects: Eyes

During normal use, no significant eye irritation can be expected from contact with this product. Eye contact with dusts may cause irritation.

Potential Health Effects: Skin

This product is not expected to cause irritation. Contact with dusts or processing fumes may cause irritation.

Potential Health Effects: Ingestion

Ingestion of this product is unlikely, however, ingestion may cause anemia, vomiting, and diarrhea. The metallic elements contained in this product are expected to be biologically unavailable. However, ingestion of larger amounts may produce toxicity.

Potential Health Effects: Inhalation

Dusts may cause irritation to nose, throat, and respiratory system. Inhalation of thermal processing fumes may cause respiratory tract irritation. Extreme thermal processing may release vinyl chloride which can cause cancer.

HMIS Ratings: Health: 1 Fire: 1 Reactivity: 0, Pers. Prot.: X (Should be determined by your Supervisor) (Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard)

***** Section 3 – Composition Information *****

CAS #	Substance Identity	Approx. Weight Percent
None	PVC Film	100

Component Information/Information on Non-Hazardous Components

Surteco has determined that this product is not regulated under the U.S. Occupational Health and Safety Administration (OSHA) Hazard Communication Standard because these materials meet the 29CFR1910.1200(b)(6) (v) definition of an article: "a manufactured item other than a fluid particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than a very small quantities, e.g., minute or trace amounts, of a hazardous chemical (as determined by paragraph (d) of this section) and does not pose a physical hazard or health risk to employees."

***** Section 4 – First Aid Measures *****

First Aid: Eyes

In case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek medical advice.

First Aid: Skin

For skin contact, promptly wash with soap and water. Remove contaminated clothing, shoes, watchband, etc. If irritation persists, get medical attention.

First Aid: Ingestion

Never give anything by mouth to a victim who is unconscious or is having convulsions. If vomiting naturally occurs, have victim lean forward to reduce risk of aspiration. If the material is swallowed, get immediate medical attention or advice. Do not induce vomiting unless instructed to do so by medical personnel.

First Aid: Inhalation

If symptoms are experienced, remove source of contamination or move victim to fresh air. If the affected person is not breathing, apply artificial respiration.

First Aid: Notes to Physician

Provide general supportive measures and treat symptoms.

***** Section 5 – Fire Fighting Measures *****

Flash Point: Not applicable

General Fire Hazards

This product is a solid material which will burn with a slow, smoldering flame upon heating to high temperatures.

Hazardous Combustion Products

Thermal degradation produces hydrogen chloride, low molecular weight hydrocarbons, and oxides of carbon.

Extinguishing Media

Water fog (preferred), dry chemical, foam, carbon dioxide.

Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear. Firefighters should avoid inhaling any combustion products. Cool heated containers with water spray from a safe distance.

NFPA Ratings: Health: 1, Fire: 1, Reactivity: 0

(Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe)

***** Section 6 – Accidental Release Measures *****

Containment Procedures

Due to physical nature of this material, containment is not necessary.

Clean-Up Procedures

Reroll, sweep, shovel, or vacuum this material and put into container for disposal as a non-hazardous waste.

Evacuation Procedures

Evacuation should not be necessary.

*** Section 7 – Handling and Storage Information ***

Handling Procedures

Avoid breathing dust. Avoid breathing fumes if this product is used at high temperatures. Use with adequate ventilation. Do not weld or smoke around product due to hazardous combustion products.

Only for industrial use.

Storage Procedures

Avoid very hot or cold storage for product quality.

*** Section 8 – Exposure Controls / Personal Protection ***

Exposure Guidelines

PRODUCT INFORMATION

No exposure limits established for the product.

Engineering Controls

Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces. During thermal processing, use adequate ventilation to prevent the build up of dusts, or processing fumes. .

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses during processing.

Personal Protective Equipment: Skin

Wear impervious gloves for prolonged contact.

Personal Protective Equipment: Respiratory

If ventilation is not sufficient to effectively remove vapors or mists, appropriate NIOSH approved respiratory protection must be provided.

*** Section 9 - Physical & Chemical Properties ***

Appearance: PVC Film
Physical State: Solid
Vapor Pressure: Not determined
Boiling Point: Not applicable
Solubility (H₂O): Insoluble
Evaporation Rate: Not applicable

Odor: Slight vinyl
pH: Not applicable
Vapor Density: Not applicable
Melting Point: >200° F
Specific Gravity: 1.35 – 1.60
Flash Point: Not applicable

*** Section 10 – Chemical Stability & Reactivity Information ***

Chemical Stability

Stable under normal conditions.

Chemical Stability: Conditions to Avoid

Exposure to temperatures above 200 F will soften film. Extended exposure to elevated temperatures will cause degradation of PVC. Exposure to temperatures above 300° F is not recommended for any period of time.

Incompatibility

Soluble in THF and Ketones.

Hazardous Decomposition

Thermal degradation produces hydrogen chloride, low molecular weight hydrocarbons, and oxides of carbon.

Hazardous Polymerization

Hazardous polymerization will not occur.

*** Section 11 – Toxicological Information ***

Acute Toxicity

General Product Information

No data is available for this product.

Carcinogenicity**General Product Information**

No carcinogenicity data available for this product.

Epidemiology

No data available for this product.

Neurotoxicity

No data available for product.

Mutagenicity

No data available for this product.

Teratogenicity

No data available for this product.

Other Toxicological Information

None available.

***** Section 12 – Ecological Information *******Ecotoxicity**

No data available for this product.

Environmental Fate

No data available for this product.

***** Section 13 - Disposal Considerations *******US EPA Waste Number & Descriptions**

User must test waste using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of a hazardous waste.

Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

***** Section 14 – Transportation Information *******US DOT Information**

Shipping Name: Not DOT Regulated

Hazard Class: Not classified

UN/NA #: Not classified

Packing Group: Not classified

Required Label(s): None

Additional Info.: None

International Transportation Regulations

Not regulated as dangerous goods.

***** Section 15 – Regulatory Information *******US Federal Regulations****General Product Information**

All of the ingredients of this product are listed on, or are exempted from listing on the U.S. EPA (TSCA) Inventory of Chemical Substances.

State Regulations**General Product Information**

Other state regulations may apply. Check individual state requirements.

***** Section 16 - Other Information *****

Other Information

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; NFPA = National Fire Protection Association; HMIS = Hazardous Material Identification System; CERCLA = Comprehensive Environmental Response, Compensation and Liability Act; SARA = Superfund Amendments and Reauthorization Act; ASRIT = Activated Sludge Respiration Inhibition Test; BOD = Biochemical Oxygen Demand; COD = Chemical Oxygen Demand TLV = Threshold Limit Value; TWA = Time-Weighted Average; STEL = Short-Term Exposure Limit; HAP = Hazardous Air Pollutant; DSL = Canadian Domestic Substance List. FDA = Food and Drug Administration; CWC = Chemical Weapons Convention; EINECS = European Inventory of Existing Chemical Substances; ELINCS = European List of New Chemical Substances ; ND = Not Determined; NR = Not Required; NA = Not Applicable; Unk = Unknown

For emergencies, call CHEMTREC at 1-800-424-9300.

This version replaces Surfx V1.5

End of MSDS