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 A Subsidiary of USG Corporation

Product Safety: 1 (800) 507-8899
 www.usg.com
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 Version: 4

SECTION 1
CHEMICAL PRODUCT AND IDENTIFICATION

PRODUCT: IMPERIAL Tape-Type S
CHEMICAL FAMILY: Fiberglass tape

SECTION 2
COMPOSITION, INFORMATION ON INGREDIENTS

MATERIAL	WT%	TLV (mg/m ³)	PEL (mg/m ³)	CAS NUMBER
Fibrous Glass (Continuous Filament)	<85	1 f/cc	15(T)/5(R)	65997-17-3
Urea Phenol-Formaldehyde Resin	>15	(NE)	(NE)	25104-55-6
Ethylene Vinyl Acetate Polymer	<2	(NE)	(NE)	24937-78-8

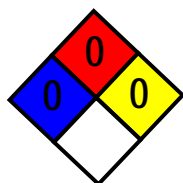
(T) – Total (R) – Respirable (NE) – Not Established f/cc – fiber per cubic centimeter of air

All ingredients of this product are included in the U.S. Environmental Protection Agency's Toxic Substances Control Act Chemical Substance Inventory. All components of this product are included in the Canadian Domestic Substances List (DSL).

SECTION 3
HAZARD IDENTIFICATION

INFORMATION FOR HANDLING AND IDENTIFICATION OF CHEMICAL HAZARDS

NFPA Ratings:
 Health: 0
 Fire: 0
 Reactivity: 0



HIMS Ratings:
 Health: 0
 Fire: 0
 Reactivity: 0

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

0 = Minimal Hazard
 1 = Slight Hazard
 2 = Moderate Hazard
 3 = Serious Hazard
 4 = Severe Hazard

EMERGENCY OVERVIEW: This product is not expected to produce any unusual hazards during normal use.

POTENTIAL HEALTH EFFECTS

ACUTE:

Eyes: Direct contact of fibers may cause irritation.

Skin: Direct, prolonged or repeated contact with the skin may cause irritation.

Inhalation: There are no known health effects due to inhalation. Due to the physical nature of this product, inhalation is unlikely.

Ingestion: There are no known health effects due to ingestion. Due to the physical nature of this product, ingestion is unlikely. Wash hands before eating.

CHRONIC: None known

SECTION 4
FIRST AID MEASURES

FIRST AID PROCEDURES

Eyes: In case of contact, do not rub or scratch your eyes. Flush thoroughly with water for 15 minutes to remove particles. If irritation persists, consult physician.

Skin: Wash with mild soap and water. If irritation persists, consult physician.

Ingestion: Not likely to occur. If ingested, call physician.

TARGET ORGANS: Eyes and skin

PRIMARY ROUTES OF ENTRY: Eye and skin contact.

SECTION 5
FIRE FIGHTING MEASURES

General Fire Hazards:	None known.		
Extinguishing Media:	Water or use extinguishing media appropriate for surrounding fire.		
Special Fire Fighting Procedures:	Fire fighters should wear full protective gear including NIOSH/MSHA approved self-contained breathing apparatus.		
Unusual Fire & Explosion Hazards:	None known.		
Hazardous Combustion Products:	Thermal decomposition of coating materials may produce an irritating mixture of smoke and fumes. CO ₂ , CO, carbon particulate and traces of hydrogen cyanide may be emitted during pyrolysis of the finish. Above 175° C – polyvinyl acetate may decompose to H ₂ O, CO ₂ , CO, and acetic acid, could produce vinyl acetate monomers. Product contains low level of organic volatiles which may be emitted or released in application processes involving the use of heat.		
Flash Point:	None Known	Auto Ignition:	Not Applicable
Method Used:	Not Applicable	Flammability Classification:	Not Applicable
Upper Flammable Limit (UFL):	Not Applicable	Rate of Burning:	Not Applicable
Lower Flammable Limit (LFL):	Not Applicable		

SECTION 6
ACCIDENTAL RELEASE MEASURES

CONTAINMENT/ CLEAN-UP:

No special precautions.

DISPOSAL:

In most cases, woven fiberglass scrap can be disposed of in a sanitary landfill.

SECTION 7
HANDLING AND STORAGE

HANDLING:

Avoid contact with skin and eyes.

STORAGE:

This product has a shelf life up to 12 months under protected storage conditions. Rotate stock.

SECTION 8
EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Selection of engineering controls will depend on environmental working conditions and operations.

RESPIRATORY PROTECTION:

Special ventilation typically is not necessary, but may be desirable in specific work conditions. Use mechanical or local exhaust ventilation to keep levels below TLV.

OTHER PERSONAL PROTECTIVE EQUIPMENT:

Eye/Face: Wear eye protection (safety glasses or goggles) to avoid particulate irritation of the eye.

Skin: Gloves or protective clothing are usually not necessary, but may be desirable in specific work conditions.

General: Selection of Personal Protective Equipment will depend on environmental working conditions and operations.

SECTION 9
PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Woven fabric, coated or uncoated, white red or blue.		
Physical State	Solid	Viscosity	Not Applicable
Odor	Slight hydrocarbon odor	Solubility (H2O)	Not Applicable
pH @ 25 ° C	Not Applicable	Boiling Point	Not Applicable
Particle Size	Not Applicable	Melting Point	Not Applicable
Molecular Weight	Not Applicable	Softening Point	Not Applicable
Bulk Density	Not Applicable	Freezing Point	Not Applicable
Specific Gravity (H₂O = 1)	Not Applicable	Vapor Density (Air = 1)	Not Applicable
Percent Volatile	Zero	Vapor Pressure (mm Hg)	Not Applicable
VOC Content	Zero	Evaporation Rate (BuAc = 1)	Not Applicable

SECTION 10
CHEMICAL STABILITY AND REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID: Contact with incompatibles.

INCOMPATIBILITY: Hydrofluoric acid.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION: Thermal decomposition of coating materials may produce an irritating mixture of smoke and fumes. CO₂, CO, carbon particulate and traces of hydrogen cyanide may be emitted during pyrolysis of the finish. Above 175° C – polyvinyl acetate may decompose to H₂O, CO₂, CO, and acetic acid, could produce vinyl acetate monomers. Product contains low level of organic volatiles which may be emitted or released in application processes involving the use of heat.

SECTION 11
TOXICOLOGICAL INFORMATION

ACUTE EFFECTS:

Direct contact may cause eye, skin and/or respiratory irritation.

LD₅₀: Not Available for product.

LC₅₀: Not Available for product.

SECTION 11 TOXICOLOGICAL INFORMATION (continued)

CHRONIC EFFECTS / CARCINOGENICITY:

Formaldehyde: Trace amounts of residual formaldehyde may be associated with the production of urea phenol formaldehyde resin. Any exposure to formaldehyde is expected to remain well below OSHA regulatory and ACGIH recommended limits during normal handling and use of this product.

Vinyl acetate/acetaldehyde/formaldehyde: Ethylene vinyl acetate polymer is a common emulsion polymer most familiar as the component of ordinary white glue which exhibits the "sticky" characteristic. PVA is not classified as a carcinogen by IARC, NTP or ACGIH.

Trace amounts of residual vinyl acetate monomers, acetaldehyde and formaldehyde may be associated with the production of PVA.

Any exposure to vinyl acetate monomer, acetaldehyde, or formaldehyde is expected to remain well below OSHA regulatory and ACGIH recommended limits during normal handling and use of this product.

**SECTION 12
ECOLOGICAL INFORMATION**

ENVIRONMENTAL TOXICITY: This product has no known adverse effect on the ecology.

Ecotoxicity value: Not determined.

**SECTION 13
DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD:

In most cases, woven fiberglass scrap can be disposed of in a sanitary landfill. Dispose of material in accordance with Federal, State, Provincial, and Local regulations

**SECTION 14
TRANSPORT INFORMATION**

U.S. DOT INFORMATION: Not a hazardous material per DOT shipping requirements. Not classified or regulated.

Shipping Name	Same as product name.
Hazard Class:	Not classified
UN/NA #:	None. Not classified.
Packing Group:	None.
Label (s) Required:	Not applicable.
GGVSec/MDG-Code:	Not classified.
ICAO/IATA-DGR:	Not applicable.
RID/ADR:	None
ADNR:	None

**SECTION 15
REGULATORY INFORMATION**

UNITED STATES REGULATIONS

All ingredients of this product are included in the U.S. Environmental Protection Agency's Toxic Substances Control Act Chemical Substance Inventory.

SECTION 15 REGULATORY INFORMATION (continued)

MATERIAL	WT%	302	304	313	CERCLA	CAA Sec. 112	RCRA Code
Fibrous Glass (Continuous Filament)	<85	NL	NL	NL	NL	NL	NL
Urea Phenol-Formaldehyde Resin	>15	NL	NL	NL	NL	NL	NL
Ethylene Vinyl Acetate Polymer	<2	NL	NL	NL	NL	NL	NL

Key : NL = Not Listed

SARA Title III Section 302 (EPCRA) Extremely Hazardous Substances: Threshold Planning Quantity (TPQ)

SARA Title III Section 304 (EPCRA) Extremely Hazardous Substances: Reportable Quantity (RQ)

SARA Title III Section 313 (EPCRA) Toxic Chemicals: X= Subject to reporting under section 313

CERCLA Hazardous Substances: Reportable Quantity (RQ)

CAA Section 112 (r) Regulated Chemicals for Accidental Release Prevention: Threshold Quantities(TQ)

RCRA Hazardous Waste: RCRA hazardous waste code

CANADIAN REGULATIONS

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. All components of this product are included in the Canadian Domestic Substances List (DSL).

MATERIAL	WT%	IDL Item #	WHMIS Classification:
Fibrous Glass (Continuous Filament)	<85	Not Listed	Not Listed
Urea Phenol-Formaldehyde Resin	>15	Not Listed	Not Listed
Ethylene Vinyl Acetate Polymer	<2	Not Listed	Not Listed

IDL Item # : Canadian Hazardous Products Act – Ingredient Disclosure List Item #

WHMIS Classification: Workplace Hazardous Material Information System

CARCINOGENICITY CLASSIFICATION OF INGREDIENT(S)

All substances listed are associated with the nature of the raw materials used in the manufacture of this product and are not independent components of the product formulation. All substances, if present, are at levels well below regulatory limits. See Section 11 : Toxicology Information for detailed information

MATERIAL	IARC	NTP	ACGIH	CAL- 65
Respirable Crystalline Silica	1	1	A2	Listed
Vinyl Acetate Monomer	2B	Not Listed	A3	Not Listed
Acetaldehyde	2B	2	A3	Listed
Formaldehyde	2A	2	A2	Listed

IARC – International Agency for Research on Cancer (World Health Organization)

1- Carcinogenic to humans

2A – Probably carcinogenic to humans

2B – Possibly carcinogenic to humans

3 - Not classifiable as a carcinogen

4 – Probably not a carcinogen

SECTION 15 REGULATORY INFORMATION (continued)

NTP – National Toxicology Program (Health and Human Services Dept., Public Health Service, NIH/NIEHS)

- 1- Known to be carcinogen
- 2- Anticipated to be carcinogens

ACGIH – American Conference of Governmental Industrial Hygienists

- A1 – Confirmed human carcinogen
- A2 – Suspected human carcinogen
- A3 – Animal carcinogen
- A4 - Not classifiable as a carcinogen
- A5 – Not suspected as a human carcinogen

CAL-65 – California Proposition 65 “Chemicals known to the State of California to Cause Cancer”

SECTION 16
OTHER INFORMATION

Product safety information: (800) 507-8899 or www.usg.com

KEEP OUT OF REACH OF CHILDREN.

Key/Legend

TLV	Threshold Limit Value
PEL	Permissible Exposure Limit
CAS	Chemical Abstracts Service (Registry Number)
NIOSH	National Institute for Occupational Safety and Health
MSHA	Mine Safety and Health Administration
OSHA	Occupational Health and Safety Administration
ACGIH	American Conference of Governmental Industrial Hygienists
IARC	International Agency for Research on Cancer
DOT	United States Department of Transportation
EPA	United States Environmental Protection Agency
NFPA	National Fire Protection Association
HMIS	Hazardous Materials Identification System
PPE	Personal Protection Equipment
TSCA	Toxic Substances Control Act
DSL	Canadian Domestic Substances List
NDSL	Canadian Non-Domestic Substances List
SARA	Superfund Amendments and Reauthorization Act of 1986
RCRA	Resource Conservation and Recovery Act
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
UN/NA#	United Nations/North America number
CFR	Code of Federal Regulations
WHMIS	Workplace Hazardous Material Information System

Prepared by:

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