

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2008

Version: 1.01

Revision Date: 28.01.2021

Print Date: 10.02.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifiers

Product Name Vitrium™

Product Number N/A

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Uses N/A

1.3 Details of the supplier of the safety data sheet

Company Haydale Technologies Inc.
1446 South Buncombe Road
Greer
South Carolina 29651
USA

Telephone +1 864.877.0123

Fax N/A

E-mail address info@haydale-technologies.com

1.4 Emergency telephone number

Emergency # N/A

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Not classified

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Not classified

2.2 Label elements

Hazard pictograms



Signal words

Warning

Hazard statements

H319: Causes serious eye irritation
H335: May cause respiratory irritation
H225: Highly flammable liquid and vapor
H316: Causes mild skin irritation
H336: May cause drowsiness or dizziness

Precautionary statements

P285: In case of inadequate ventilation wear respiratory protection.
P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233: Keep container tightly closed.
P241: Use explosion-proof electrical/ventilating/lighting/equipment.

P243: Take precautionary measures against static discharge.
P280: Wear protective gloves/protective clothing.
P264: Wash hands thoroughly after handling.
P261: Avoid breathing dust/fumes/gas/mist.
P271: Use only outdoors or in a well-ventilated area.

2.3. Other Hazards

Flammable Liquid.
Serious Eye Damage/Eye Irritation
Serious Target Organ Toxicity

PBT identification This substance is not identified as a PBT substance.

SECTION 3: Composition and information on ingredients

3.1. Substances

Chemical Characterization		
Ingredient	C.A.S Number	Concentration (%)
Polymer A-1	Proprietary	6-8
Polymer A-2	Proprietary	1-3
Methyl Acetate	79-20-9	78-82
Resin	Proprietary	3-5

3.1.1 Additional information:

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Eyes	Check for and remove any contact lens. Immediately flush eyes with plenty of water for at least 15 minutes lifting eyelids occasionally. Get medical attention.
Skin	In case of skin contact, wash thoroughly with water, or soap and water if available. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.
Inhalation	If safe to do so remove affected person to fresh air. Keep patient half sitting with upper body raised. Seek immediate medical attention if breathing difficulties occur.
Ingestion	If accidentally swallowed, rinse mouth thoroughly with water. After rinsing drink plenty of water. In case of discomfort, obtain medical attention. Never give anything by mouth to an unconscious person. Do NOT induce vomiting unless directed to do so by medical personnel.

SECTION 5: Firefighting measures

Flash Point	LEL	UEL	Flammability
14°F (-10°C)	N/A	N/A	Flammable Class IB

5.1 Extinguishing media

Suitable extinguishing agents: Dry chemical, alcohol foam or carbon dioxide. Water spray may be used to keep fire exposed containers cool, dilute spills to nonflammable mixtures, protect personnel attempting to stop leak and disperse vapors. Do not release runoff from fire to drains or watercourses.

5.2 Special hazards arising from the substance

Vapors can flow along surfaces to distant ignition source and flash back. Contact with strong oxidizers may cause fire. Closed containers may explode when exposed to extreme heat. This material may produce a floating fire hazard sensitive to static discharge.

5.3 Advice for firefighters

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Category 3 constitutes a serious fire hazard therefore firefighters must take extra precaution.

SECTION 6: Accidental release measures

6.1. Personal precautions

Dike area to prevent spreading. Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment. Isolate hazard area. Contain and recover liquid when possible. Use non-sparking tools and equipment.

6.2. Environmental precautions

Do not flush to sewer!

6.3. Clean-up procedures

Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container, and allow to dry. Dispose of as a chemical waste in accordance with current local, state and federal regulations.

6.4. Reference to other sections

Refer to section 8 of SDS for personal protection details.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Provide good ventilation or extraction. Avoid prolonged or repeated breathing of vapor. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks, flames and other sources of ignition. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Avoid storage over 100°F (38°C) and contamination with incompatible materials. Keep containers tightly closed in a cool, well ventilated place. Protect from moisture. Avoid all sources of ignition. Residual vapors might explode on ignition. Do not apply heat, cut, drill, and grind or weld on or near this container. Keep container closed when not in use.

7.3. Specific end use(s)

See section 1.2, no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limits not yet established. Keep exposure to this product as low as technically feasible.

8.2 Exposure controls

Precautions to be taken in use Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapor or spray mist. Wash hands with soap and water after using.

Ventilation System Positive fresh air exhaust should be provided in the work area. Respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use.

Respiratory Protection Use only with a NIOSH approved full facepiece respirator with an organic

vapor cartridge and powered-air purifying. For increased protection, use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode, in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.

Skin Protection

Avoid skin contact. Wear butyl-rubber gloves and impervious protective clothing.

Eye Protection

Do not wear contact lenses. Chemical safety goggles or splash shields are recommended as standard.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance

Physical State	Liquid
Colour	Clear to amber, slightly milky
Odour	Mild fruity

Important health, safety and environmental information

Upper and Lower Flammability/ Explosive Limits	Not available
Vapor Pressure	Not available
Odor Threshold	Not available
Vapor Density	Not available
pH	Not available
Relative Density	1.0 - 1.04
Melting Point/Freezing Point	Not available
Solubility	Insoluble
Initial Boiling Point and Boiling Range	132 - 137°F
Flash Point deg F	14°F
Evaporation Rate	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
VOC Content (%)	<100 gm/l (EPA Method 24)
Viscosity	Not available

9.2 Other information

No additional information

SECTION 10: Stability and reactivity

10.1 Stability	Stable
10.2 Hazardous Decomposition Products	Oxides of carbon and nitrogen
10.3 Incompatibilities	Oxidizers, alkalis, acids, aliphatic amines, nitrates, water
10.4 Hazardous Polymerization	May occur

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Ingredient	Target Organs	IARC Category
Polymer A-1	IRR, LIV, KID	NO
Polymer A-2	IRR, LIV, KID	NO

Methyl Acetate	IRR	NO
Resin	NONE	NO
Ingredient	ACGIH TLV	OSHA PEL
Methyl Acetate	200 ppm	200 ppm

SECTION 12: Ecological information

- 12.1 Eco-Toxicity**
No data available
- 12.2 Persistence and degradability**
No data available.
- 12.3 Bioaccumulative potential**
No data available.
- 12.4 Mobility in soil**
No data available.
- 12.5. Results of PBT and vPvB assessment**
This substance is not identified as a PBT substance.
- 12.6. Other adverse effects**
No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations.

Contaminated packaging

Dispose of this product and all contaminated materials in compliance with all local and national regulations. Cannot be recycled

SECTION 14: Transport Information

- 14.1 UN Number**
DOT and IATA Hazard Classification UN-No UN1139
- 14.2 UN proper shipping name**
ADR/RID: Information not available
IMDG: Information not available
IATA: Information not available
- 14.3 Transport hazard class(es)**
Hazard Class 3
- 14.4 Packing group**
Packing Group II

- 14.5 Environmental hazards**
ADR/RID: Information not available IMDG: Information not available IATA: Information not available
- 14.6 Special precautions for user**
No data available
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
This chemical is not intended for bulk transportation

SECTION 15: Regulatory Information

15.1 SARA 313 (40 CFR 372.65C) Supplier Notification

CAS Number Chemical Compound

79-20-9 Methyl Acetate

California Proposition 65 This product does not contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA This product does not contain chemicals listed on the TSCA Inventory List.



CEPA All reportable chemical substances are listed on the Domestic Substances List (DSL) or otherwise comply with CEPA new substance notification requirements.

SECTION 16: Other information

Indication of changes

Revision Number 1.01
Revision Date 28 January 2021
Supersedes Revision N/A

Further information

HMIS - Vitrium		
4 Severe Hazard		Health 2
3 Serious Hazard		Flammability 3
2 Moderate Hazard		Reactivity 1
1 Slight Hazard		Personal Protection X
0 Minimal Hazard		
Personal Protective Equipment		
		

National Fire Protection Association (NFPA)

	Health
	Flammability
	Reactivity
	Specialty Information