

Safety Data Sheet 2108226 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 12/21/2015 Version: 1.0

SECTION 1: Identification		
1.1. Identification		
Product form	: Substance	
Substance name	Galden HT110 (Average MW = 580)	
CAS No	: 69991-67-9	
Product code	: 2108-2-26	
Formula	: Unspecified	
Synonyms	: Poly(1,1,2,3,3,3-hexafluoroprop-1-ene), oxidized; Poly(perfluoroprop-1-ene), oxidized	
Other means of identification	: MFCD00163719	
1.2. Relevant identified uses of the su	ubstance or mixture and uses advised against	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development	
1.3. Details of the supplier of the safe	ty data sheet	
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs. 1.4. Emergency telephone number		
Emergency number	: (844) 523-4086 (3E Company - Account 10069)	
Eye Irrit. 2A H319 - Causes serious eye irr STOT SE 3 H335 - May cause respiratory Full text of H-phrases: see section 16		
2.2. Label elements		
GHS-US labeling		
Hazard pictograms (GHS-US)		
Circul word (OUC UC)	GHS07	
Signal word (GHS-US)	: Warning	
Signal word (GHS-US) Hazard statements (GHS-US)		
	 Warning H315 - Causes skin irritation H319 - Causes serious eye irritation 	

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2.3. Other hazards					
No additional information available					
2.4. Unknown acute toxicity (GHS US) Not applicable					
SECTION 3: Composition/information	ion on in	gredients			
3.1. Substance					
Substance type	: Polyn	ner			
Name		Product identifier	%	Classification (GHS-US)	
Galden HT110 (Average MW = 580) (Main constituent)		(CAS No) 69991-67-9	100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335	
Full text of H-phrases: see section 16					
3.2. Mixture					
Not applicable					
SECTION 4: First aid measures					
4.1. Description of first aid measures					
First-aid measures general		se of accident or if you feel unwell, seek e possible). Move the affected personne			
First-aid measures after inhalation		ove person to fresh air and keep comfort ration. Get medical advice/attention.	able for breathin	g. If not breathing, give artific	ial
First-aid measures after skin contact	: Wash	with plenty of soap and water. Get mee	lical advice/atten	tion.	
First-aid measures after eye contact		ediately flush eyes thoroughly with water ent and easy to do. Continue rinsing. Get			es, if
First-aid measures after ingestion		OT induce vomiting. Never give anything hout with water. Get medical advice/atte		unconscious person. Rinse	
4.2. Most important symptoms and eff	ects, both	acute and delayed			
Symptoms/injuries		nost important known symptoms and eff and/or in section 11.	ects are describe	ed in the labelling (see section	า
4.3. Indication of any immediate media	,				
4.3. Indication of any immediate media Treat symptomatically.	,				
Treat symptomatically.	,				
Treat symptomatically. SECTION 5: Firefighting measures	,				
Treat symptomatically.	cal attentio		owder. Water sp	ray. Use extinguishing media	
Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media	cal attentio	n and special treatment needed nol resistant foam. Carbon dioxide. Dry p opriate for surrounding fire.	owder. Water sp	ray. Use extinguishing media	·
Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media	cal attentio	n and special treatment needed nol resistant foam. Carbon dioxide. Dry p opriate for surrounding fire.			
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6.2. Environmental precautions			
	authorities if product enters sewers or public waters.		
6.3. Methods and material for co	ntainment and cleaning up		
For containment : Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.			
Methods for cleaning up	: Take up large spills with pump or vacuum and finish with dry chemical absorbent. Use explosion-proof equipment. Take up small spills with dry chemical absorbent. Sweep or shovel spills into appropriate container for disposal. Ventilate area.		
Other information	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".		
6.4. Reference to other sections			
No additional information available			
SECTION 7: Handling and sto	rage		
7.1. Precautions for safe handlin	-		
Precautions for safe handling	Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe fumes, mist, spray, vapors. Wear personal protective equipment. Avoid contact with skin and eyes.		
Hygiene measures	: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.		
7.2. Conditions for safe storage	including any incompatibilities		
Technical measures	: Comply with applicable regulations.		
Storage conditions	: Keep container closed when not in use.		
Incompatible materials	: Refer to Section 10 on Incompatible Materials.		
Storage area	: Store in dry, cool, well-ventilated area.		

SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**

No additional information available

8.2. Exposure controls	
Appropriate engineering controls	: Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Hand protection	: Protective gloves. 29 CFR 1910.138: Hand Protection.
Eye protection	: Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.
Other information	: Safety shoes. 29 CFR 1910.136: Foot Protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and	I chemical properties		
Physical state	: Liquid		
Color	: No data available		
Odor	: No data available		
Odor threshold	: No data available		
рН	: No data available		
Melting point	: <-110 °C		
Freezing point	: No data available		
Boiling point	: 110 °C		
Flash point	: No data available		
Relative evaporation rate (butyl acetate=1)	: No data available		
Flammability (solid, gas)	: No data available		
Explosion limits	: No data available		
Explosive properties	: No data available		
Oxidizing properties	: No data available		
Vapor pressure	: 17 mm Hg (@ 25 °C)		
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Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Specific gravity / density	: 1.71 g/ml (@ 25 °C)
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
9.2. Other information	
Refractive index	: 1.28 (@ 25 °C)

SECT	ION 10: Stability and reactivity			
10.1.	Reactivity			
No addi	No additional information available			
10.2.	Chemical stability			
The pro	The product is stable at normal handling and storage conditions.			
10.3.	Possibility of hazardous reactions			
No addi	No additional information available			
10.4.	Conditions to avoid			
Extremely high temperatures.				
10.5.	Incompatible materials			
Finely divided metals (Al, Mg, Zn).				
10.6.	Hazardous decomposition products			

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.

SECTION 11: Toxicological information			
11.1. Information on toxicological effects			
Acute toxicity	: Not classified		
Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity	 Not classified Causes skin irritation. Causes serious eye irritation. Not classified Not classified Not classified 		
Reproductive toxicity Specific target organ toxicity (single exposure)	Not classifiedMay cause respiratory irritation.		
Specific target organ toxicity (repeated exposure)	: Not classified		
Aspiration hazard	: Not classified		
SECTION 12: Ecological information			
12.1. Toxicity			

 12.1. Toxicity

 No additional information available

 12.2. Persistence and degradability

 No additional information available

 12.3. Bioaccumulative potential

 No additional information available

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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considera	tions
Waste treatment methods Waste disposal recommendations Additional information	 Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber. Dispose of contents/container in accordance with licensed collector's sorting instructions. Recycle the material as far as possible.
SECTION 14: Transport informati	on

Department of Transportation (DOT)

In accordance with DOT Not regulated for transport

TDG

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Galden HT110 (Average MW = 580) (69991-67-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

Galden HT110 (Average MW = 580) (69991-67-9)

Listed on the Canadian DSL (Domestic Sustances List)

EU-Regulations

No additional information available

National regulations

Galden HT110 (Average MW = 580) (69991-67-9)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

SECTION 16: Other information

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Full tex	t of H-phrases:		
	Eye Irrit. 2A		Serious eye damage/eye irritation Category 2A
	Skin Irrit. 2		Skin corrosion/irritation Category 2
	STOT SE 3		Specific target organ toxicity (single exposure) Category 3
	H315		Causes skin irritation
	H319		Causes serious eye irritation
	H335		May cause respiratory irritation
NFPA 1	given. IFPA fire hazard : 0 - Materials that will not b		h prompt medical attention was urn. under fire exposure conditions,
HMIS I	II Rating		
Health : 0 Minimal Hazard - No sig		: 0 Minimal Hazard - No sig	gnificant risk to health
Flamm	- Flammability : 0 Minimal Hazard - Materia		rials that will not burn
			rials that are normally stable, even under fire conditions, and will NOT ize, decompose, condense, or self-react. Non-Explosives.

SDS US (GHS HazCom 2012)

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is offered solely for your consideration, investigation, and verification. It does not represent any guarantee of the properties of the product nor that the hazard precautions or procedures described are the only ones which exist. SynQuest shall not be held liable or any damage resulting from handling or from contact with the above product.