

1,1,3,3,5,5-HEXAETHOXY-1,3,5-TRISILACYCLOHEXANE

Safety Data Sheet SIH5945.0 Date of issue: 01/06/2015 Version: 1.0

SECTION 1: Identification of the sub	stance	mixture and of the comp	pany/underta	aking	
1.1. Product identifier		·			
Product form	: Subs	ance			
Physical state	: Liquio	ł			
Substance name	: 1,1,3	3,5,5-HEXAETHOXY-1,3,5-TRIS	SILACYCLOHE	XANE	
Product code	: SIH5	945.0			
Formula	: C15⊢	3606Si3			
Synonyms	: 1,3,5	TRIS(DIETHOXYSILA)CYCLOH	IEXANE		
Chemical family		ANOETHOXYSILANE			
1.2. Relevant identified uses of the subs	stance or	mixture and uses advised aga	inst		
Use of the substance/mixture	: Chem	nical intermediate search use only			
1.3. Details of the supplier of the safety	data she	et			
GELEST, INC.					
11 East Steel Road Morrisville, PA 19067 USA					
T 215-547-1015 - F 215-547-2484 - (M-F): 8:00 info@gelest.com - www.gelest.com	AM - 5:30	PM EST			
1.4. Emergency telephone number					
Emergency number	: CHEI	MTREC: 1-800-424-9300 (USA);	+1 703-527-388	87 (Inte	rnational)
SECTION 2: Hazards identification					
2.1. Classification of the substance or n	nixture				
Classification (GHS-US)					
Not classified					
2.2. Label elements					
GHS-US labeling No labeling applicable					
2.3. Other hazards					
Other hazards not contributing to the classification		product reacts with water in the a ins ethanol which is classified as			nach to form ethanol. This produc in alcoholic beverages.
2.4. Unknown acute toxicity (GHS-US)					
No data available					
SECTION 3: Composition/informatic	n on in	gredients			
3.1. Substance					
Substance type	: Monc	-constituent			
Name	: 1,1,3	3,5,5-HEXAETHOXY-1,3,5-TRIS	SILACYCLOHE	XANE	
CAS No	: 1795	5-67-8			
Name		Product identifier		%	Classification (GHS-US)
1,1,3,3,5,5-Hexaethoxy-1,3,5-trisilacyclohexane		(CAS No) 17955-67-8		> 95	Not classified
Ethanol		(CAS No) 64-17-5			Flam. Liq. 2, H225 Carc. 1A, H350 STOT SE 3, H335
		I			
3.2. Mixture					
Not applicable					
SECTION 4: First aid measures					
4.1. Description of first aid measures					
First-aid measures general	medio	ove contaminated clothing and sh cal advice immediately (show the ble show packaging or label.			nt or if you feel unwell, seek If possible show this sheet; if not
04/06/2045			202 10:0		0 Dage 1

First-aid measures after inhalation	on :	Remove victim to fresh air and keep a unwell, seek medical advice.	t rest in a position comfortable for breathing. If you feel			
First-aid measures after skin cor	ntact :	Wash with plenty of soap and water.				
First-aid measures after eye con	tact :	Immediately flush eyes thoroughly with present and easy to do. Continue rinsi	n water for at least 15 minutes. Remove contact lenses, if ng. Get medical advice/attention.			
First-aid measures after ingestio	n :		nconscious person. Get medical advice/attention.			
4.2. Most important symp	otoms and effects	, both acute and delayed				
Symptoms/injuries after inhalation	on :	May cause irritation to the respiratory hausea.	tract. Overexposure may cause: Coughing. Headache.			
Symptoms/injuries after skin cor	tact :	May cause skin irritation. Sensitization	n may occur.			
Symptoms/injuries after eye con	tact :	May cause eye irritation.				
Symptoms/injuries after ingestio	n :	No information available.				
4.3. Indication of any imm	nediate medical a	ttention and special treatment neede	d			
No additional information availab	ble					
SECTION 5: Firefighting	measures					
5.1. Extinguishing media						
Suitable extinguishing media	:	Water spray. Foam. Carbon dioxide. D	Dry chemical.			
5.2. Special hazards aris	ng from the subst	tance or mixture				
Fire hazard	:	Irritating fumes and organic acid vapor temperatures or open flame.	rs may develop when material is exposed to elevated			
5.3. Advice for firefighter	S					
Firefighting instructions	:		aces. Exercise caution when fighting any chemical fire.			
Protection during firefighting	:	Do not enter fire area without proper p Avoid all eye and skin contact and do	rotective equipment, including respiratory protection. not breathe vapor and mist.			
SECTION 6: Accidental	release measu	res				
6.1. Personal precaution	s, protective equip	oment and emergency procedures				
6.1.1. For non-emergency	personnel					
Emergency procedures		Evacuate unnecessary personnel.				
6.1.2. For emergency resp	onders					
Protective equipment	:	Equip cleanup crew with proper protect	stion.			
6.2. Environmental preca	utions					
Prevent entry to sewers and put	lic waters. Notify a	uthorities if liquid enters sewers or publi	c waters.			
6.3. Methods and materia	I for containment	and cleaning up				
Methods for cleaning up	:	Clean up any spills as soon as possibl shovel spills into appropriate contained	le, using an absorbent material to collect it. Sweep or r for disposal.			
6.4. Reference to other s	ections					
See Heading 8. Exposure control	ols and personal pro	otection.				
SECTION 7: Handling ar	d storage					
7.1. Precautions for safe	handling					
Precautions for safe handling	:	Use only in well ventilated areas. Avoi mist.	d all eye and skin contact and do not breathe vapor and			
Hygiene measures	:	Wash hands and other exposed areas smoking and when leaving work. Was	with mild soap and water before eating, drinking or h contaminated clothing before reuse.			
7.2. Conditions for safe s	torage, including	any incompatibilities				
Storage conditions	:	Keep container tightly closed.				
Incompatible materials	:	Moisture. Water.				
Storage area : Store in a well-ventilated place. Store away from heat.						
7.3. Specific end use(s)						
No additional information availab						
SECTION 8: Exposure controls/personal protection						
8.1. Control parameters						
Ethanol (64-17-5)						
USA ACGIH	ACGIH STEL (pp	m)	1000 ppm			
USA NIOSH	NIOSH REL (TW)	A) (mg/m³)	1900 mg/m³			

Ethanol (64-17-5)		
USA NIOSH I	NIOSH REL (TWA) (ppm)	1000 ppm
USA OSHA	OSHA PEL (TWA) (mg/m ³)	1900 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
USA IDLH	JS IDLH (ppm)	3300 ppm (10% LEL)
8.2. Exposure controls		
Appropriate engineering controls	: Provide local exhaust	or general room ventilation.
Personal protective equipment		exposure. Emergency eye wash fountains and safety showers should b diate vicinity of any potential exposure.
Hand protection	: Neoprene or nitrile rub	ober gloves.
Eye protection	: Safety glasses. Conta	ct lenses should not be worn.
Skin and body protection	: Wear suitable protecti	ve clothing.
Respiratory protection	: Where exposure throu recommended. NIOS	ugh inhalation may occur from use, respiratory protection equipment is H-certified organic vapor (black cartridge) respirator.
	hysical and chemical properties	
Physical state	: Liquid	
Appearance	: Clear liquid.	
Molecular mass	: 396.7 g/mol	
Color	: Straw.	
Odor	: Mild.	
Odor threshold	: No data available	
Refractive index	: 1.4336	
рН	: No data available	
Relative evaporation rate (butyl ac	etate=1) : No data available	
Melting point	: No data available	
Freezing point	: < 0 °C	
Boiling point	: 102 - 104 °C @ 0.05 r	mm Hg
Flash point	: > 65 °C	
Auto-ignition temperature	: No data available	

Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: <10 mm Hg @ 20°C
Relative vapor density at 20 °C	: >1
Relative density	: 1.01
Solubility	: Insoluble in water. Reacts with water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

9.2. **Other information**

No	additional	information	available

SECTIO	ON 10: Stability and reactivity			
10.1.	Reactivity			
No additi	onal information available			
10.2.	Chemical stability			
Stable.				
10.3.	Possibility of hazardous reactions			
Reacts with water and moisture in air, liberating ethanol.				

10.4. Conditions to avoid	
Heat. Open flame. Sparks.	
10.5. Incompatible materials	
Moisture. Water.	
10.6. Hazardous decomposition products	
Ethanol. Organic acid vapors.	
SECTION 11: Toxicological informati	on
11.1. Information on toxicological effects	
Acute toxicity	: Not classified
Ethanol (64-17-5)	
LC50 inhalation rat (mg/l)	124.7 mg/l/4h
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Ethanol (64-17-5)	
IARC group	1 - Carcinogenic to humans
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated	: Not classified
exposure)	
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: May cause irritation to the respiratory tract. Overexposure may cause: Coughing. Headache. Nausea.
Symptoms/injuries after skin contact	: May cause skin irritation. Sensitization may occur.
Symptoms/injuries after eye contact	: May cause eye irritation.
Symptoms/injuries after ingestion	: No information available.
SECTION 12: Ecological information	
12.1. Toxicity	
-	
12.1. Toxicity Ethanol (64-17-5) LC50 fish 1	12.0 - 16.0 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
Ethanol (64-17-5)	12.0 - 16.0 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Ethanol (64-17-5) LC50 fish 1	12.0 - 16.0 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
Ethanol (64-17-5) LC50 fish 1 EC50 Daphnia 1	9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Ethanol (64-17-5) LC50 fish 1 EC50 Daphnia 1 LC50 fish 2	9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
Ethanol (64-17-5) LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 EC50 Daphnia 2	9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
Ethanol (64-17-5) LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 EC50 Daphnia 2 12.2. Persistence and degradability No additional information available	9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
Ethanol (64-17-5) LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 EC50 Daphnia 2 12.2. Persistence and degradability No additional information available 12.3. Bioaccumulative potential	9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
Ethanol (64-17-5) LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 EC50 Daphnia 2 12.2. Persistence and degradability No additional information available 12.3. Bioaccumulative potential Ethanol (64-17-5)	9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) 2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
Ethanol (64-17-5) LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 EC50 Daphnia 2 12.2. Persistence and degradability No additional information available 12.3. Bioaccumulative potential Ethanol (64-17-5) Log Pow	9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
Ethanol (64-17-5) LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 EC50 Daphnia 2 12.2. Persistence and degradability No additional information available 12.3. Bioaccumulative potential Ethanol (64-17-5) Log Pow 12.4. Mobility in soil	9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) 2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
Ethanol (64-17-5) LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 EC50 Daphnia 2 12.2. Persistence and degradability No additional information available 12.3. Bioaccumulative potential Ethanol (64-17-5) Log Pow	9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) 2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
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Ethanol (64-17-5) LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 EC50 Daphnia 2 12.2. Persistence and degradability No additional information available 12.3. Bioaccumulative potential Ethanol (64-17-5) Log Pow 12.4. Mobility in soil No additional information available 12.5. Other adverse effects Other adverse effects	9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) 2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) -0.32 -0.32
Ethanol (64-17-5) LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 EC50 Daphnia 2 12.2. Persistence and degradability No additional information available 12.3. Bioaccumulative potential Ethanol (64-17-5) Log Pow 12.4. Mobility in soil No additional information available 12.5. Other adverse effects Other adverse effects Effect on ozone layer Effect on the global warming	 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) 2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) -0.32 -0.32 This substance may be hazardous to the environment. No additional information available No known ecological damage caused by this product.
Ethanol (64-17-5) LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 EC50 Daphnia 2 12.2. Persistence and degradability No additional information available 12.3. Bioaccumulative potential Ethanol (64-17-5) Log Pow 12.4. Mobility in soil No additional information available 12.5. Other adverse effects Other adverse effects Effect on ozone layer Effect on the global warming SECTION 13: Disposal consideration	 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) 2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) -0.32 -0.32 This substance may be hazardous to the environment. No additional information available No known ecological damage caused by this product.
Ethanol (64-17-5) LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 EC50 Daphnia 2 12.2. Persistence and degradability No additional information available 12.3. Bioaccumulative potential Ethanol (64-17-5) Log Pow 12.4. Mobility in soil No additional information available 12.5. Other adverse effects Other adverse effects Effect on ozone layer Effect on the global warming SECTION 13: Disposal consideration 13.1. Waste treatment methods	9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) 2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) -0.32 -0.32 S
Ethanol (64-17-5) LC50 fish 1 EC50 Daphnia 1 LC50 fish 2 EC50 Daphnia 2 12.2. Persistence and degradability No additional information available 12.3. Bioaccumulative potential Ethanol (64-17-5) Log Pow 12.4. Mobility in soil No additional information available 12.5. Other adverse effects Other adverse effects Effect on ozone layer Effect on the global warming SECTION 13: Disposal consideration	 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) 2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) -0.32 -0.32 This substance may be hazardous to the environment. No additional information available No known ecological damage caused by this product.

SECTION 14: Transpo	ort information					
14.1. UN number						
Not regulated for transport.						
14.2. UN proper shipping name						
Not applicable						
14.3. Additional informati	ion					
Other information		o sup	plementary information availa	ible.		
		0 0 0 0 P				
Transport by sea						
No additional information ava	ailable					
Air transport						
No additional information ava	ailable					
SECTION 15: Regulat	ory information					
15.1. US Federal regulation	IS					
1,1,3,3,5,5-HEXAETHOXY	-1.3.5-TRISILACYCLOHI	XAN	E (17955-67-8)			
TSCA Exemption/Exclusion				for research and development	purposes subject to the	
· · · · · · · · · · · · · · · · · · ·	R	&D e	kemption under TSCA, 40 CF	R 720.36, and must meet the re	equirements of the	
				a "technically qualified individua		
			ermitted in the United States.	or "commercial purposes" as de	efined by 40 CFR 720.3(r)	
1,1,3,3,5,5-Hexaethoxy-1,						
Not listed on the United Sta						
Ethanol (64-17-5)		003 0				
Listed on the United States	TSCA (Toxic Substances	Con	trol Act) inventory			
15.2. International regulation						
Total International Togalati						
Ethanol (64-17-5)						
Listed on IARC (Internation						
Listed on the AICS (Austral Listed on the Canadian DS			stances)			
			ces Produced or Imported in (China)		
			of Existing Commercial Cher	mical Substances)		
Listed on the Japanese EN Listed on the Korean ECL (nical	Substances) inventory			
Listed on NZIoC (New Zeal		ıls)				
Listed on PICCS (Philippine	es Inventory of Chemicals	and	Chemical Substances)			
Listed on the Canadian IDL	. (Ingredient Disclosure Li	st)				
15.3. US State regulations						
1,1,3,3,5,5-HEXAETHOXY-1						
U.S California - Proposition	•	N				
U.S California - Propositior Toxicity	n 65 - Developmental	N	0			
U.S California - Proposition	65 - Reproductive	N	0			
Toxicity - Female	105 - Reproductive	IN	0			
U.S California - Propositior	n 65 - Reproductive	No				
Toxicity - Male	•					
1,1,3,3,5,5-Hexaethoxy-1,3,	5-trisilacyclohexane (17	955-6	57-8)			
U.S California -	U.S California -		U.S California -	U.S California -	No significance risk level	
Proposition 65 -	Proposition 65 -		Proposition 65 -	Proposition 65 -	(NSRL)	
Carcinogens List	Developmental Toxicity		Reproductive Toxicity -	Reproductive Toxicity -		
			Female	Male		
No	No		No	No		
Ethanol (64-17-5)						
U.S California -	U.S California -		U.S California -	U.S California -	No significance risk level	
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity		Proposition 65 - Reproductive Toxicity -	Proposition 65 - Reproductive Toxicity -	(NSRL)	
Carolinogeno Liot			Female	Male		
Yes	Yes		No	No		
	100					
Ethanol (64-17-5)						
U.S Connecticut - Hazardo	ous Air Pollutants - HLVs (30 m	n)			
01/06/2015	EN	(Enali	sh US)	SDS ID: SIH5945.0	5/7	

1,1,3,3,5,5-HEXAETHOXY-1,3,5-TRISILACYCLOHEXANE

Safety Data Sheet

Ethanol (64-17-5)				
U.S Connecticut - Hazardous Air Pollutants - HLVs (8 hr)				
U.S Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations				
U.S Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)				
U.S Idaho - Occupational Exposure Limits - TWAs				
U.S Maine - Chemicals of High Concern				
U.S Massachusetts - Allowable Ambient Limits (AALs)				
U.S Massachusetts - Allowable Threshold Concentrations (ATCs)				
U.S Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 1				
U.S Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 2				
U.S Massachusetts - Oil & Hazardous Material List - Reportable Quantity				
U.S Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 1				
U.S Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 2				
U.S Massachusetts - Right To Know List				
U.S Massachusetts - Threshold Effects Exposure Limits (TELs)				
U.S Michigan - Occupational Exposure Limits - TWAs				
U.S Minnesota - Chemicals of High Concern				
U.S Minnesota - Hazardous Substance List				
U.S Minnesota - Permissible Exposure Limits - TWAs				
U.S New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour				
U.S New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual				
U.S New Jersey - Right to Know Hazardous Substance List				
U.S New Jersey - Special Health Hazards Substances List				
U.S New York - Occupational Exposure Limits - TWAs				
U.S North Dakota - Air Pollutants - Guideline Concentrations - 1-Hour				
U.S Oregon - Permissible Exposure Limits - TWAs				
U.S Pennsylvania - RTK (Right to Know) List				
U.S Tennessee - Occupational Exposure Limits - TWAs				
U.S Texas - City of Austin - Aerosol Paint and Glue Restrictions				
U.S Texas - Effects Screening Levels - Long Term				
U.S Texas - Effects Screening Levels - Short Term				
U.S Vermont - Permissible Exposure Limits - TWAs				
U.S Washington - Permissible Exposure Limits - STELs				
U.S Washington - Permissible Exposure Limits - TWAs				

SECTION 16: Other information

Abbreviations and acronyms

Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal Concentration; ATE: Acute Toxicity Estimates; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and Health; IARC: International Agency for Research on Cancer; NTP: National Toxicology Program; HMIS: Hazardous Material Information System; CAS No.: Chemcial Abstract Service Registration Number; EC No.: European Commission Registration Number; EC Index No.: European Commission Index Number; OECD: The Organisation for Economic Co-operation and Development.

Full text of H-phrases::

Carc. 1A	Carcinogenicity Category 1A
Flam. Liq. 2	Flammable liquids Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H335	May cause respiratory irritation
H350	May cause cancer

HMIS III Rating

Health	
Flammability	
Physical	

: 2 Moderate Hazard - Temporary or minor injury may occur

- : 1 Slight Hazard
- : 1 Slight Hazard

Prepared by safety and environmental affairs.

Date of issue: 01/06/2015 Version: 1.0

SDS US (GHS HazCom 2012) - Custom

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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