

Safety Data Sheet DMS-H03 Date of issue: 10/31/2014 Revision date: 10/23/2015

Version: 2.0

SECTION 1: Identification of the sub	stance	mixture and of the company/under	taking	
1.1. Product identifier				
Product form	: Subs	ance		
Physical state	: Liquio	I		
Substance name	: HYDF	RIDE TERMINATED POLYDIMETHYLSILOXAI	NE	
Product code	: DMS-	H03		
Synonyms	: POLY	(DIMETHYLSILOXANE), HYDRIDE TERMINA	TED	
Chemical family	: ORGANOHYDRIDOSILOXANE			
1.2. Relevant identified uses of the subs	tance or	mixture and uses advised against		
Use of the substance/mixture		ical intermediate search and industrial 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 A info@gelest.com - www.gelest.com	AM - 5:30	PM EST		
1.4. Emergency telephone number				
Emergency number	: CHEN	/ITREC: 1-800-424-9300 (USA); +1 703-527-38	387 (Inter	national)
SECTION 2: Hazards identification				
2.1. Classification of the substance or m	ixture			
GHS-US classification Flam. Liq. 4 H227 Full text of H-phrases: see section 16 2.2. Label elements				
GHS-US labeling	Mara			
Signal word (GHS-US)	: Warn			
Hazard statements (GHS-US) Precautionary statements (GHS-US)	: P280 P210 P370 exting P403	 Combustible liquid Wear protective gloves/protective clothing/ey Keep away from heat, open flames, sparks +P378 - In case of fire: Use water spray or fog, juish +P235 - Keep in a cool place - Dispose of contents/container to licensed wa 	No smok foam, ca	ing rbon dioxide, dry chemical to
2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
No data available				
SECTION 3: Composition/Informatio	n on in	gredients		
3.1. Substance				
Substance type	: Mono	-constituent		
Name	: HYDF	RIDE TERMINATED POLYDIMETHYLSILOXAI	NE	
CAS No	: 70900)-21-9		
Name		Product identifier	%	GHS-US classification
Hydride terminated polydimethylsiloxane		(CAS No) 70900-21-9	95 - 100	Not classified
3.2. Mixture Not applicable			100	1

Not applicable

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SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label.
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Wash with plenty of soap and water. Get medical advice/attention.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
First-aid measures after ingestion	: Never give anything by mouth to an unconscious person. Get medical advice/attention.
4.2. Most important symptoms and effe	cts, both acute and delayed
Symptoms/injuries after inhalation	: No information available.
Symptoms/injuries after skin contact	: May cause skin irritation.
Symptoms/injuries after eye contact	: May cause eye irritation.
Symptoms/injuries after ingestion	: No information available.
4.3. Indication of any immediate medica	al attention and special treatment needed
No additional information available	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Water fog. Foam. Carbon dioxide. Dry chemical.
Unsuitable extinguishing media	: Do not use straight streams.
5.2. Special hazards arising from the su	ibstance or mixture
Fire hazard	: Combustible liquid. Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.
5.3. Advice for firefighters	
Firefighting instructions	: Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist.
SECTION 6: Accidental release mea	sures
	quipment and emergency procedures
General measures	: Remove ignition sources. Use special care to avoid static electric charges.
6.1.1 For non-emergency percentral	
6.1.1. For non-emergency personnel Protective equipment	: Wear protective equipment as described in Section 8.
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	. De net etternet te teke estien without evitable pretective equipment. Equip elegeurs growwith
Protective equipment	: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Prevent entry to sewers and public waters. Noti	y authorities if liquid enters sewers or public waters.
6.3. Methods and material for containm	ent and cleaning up
For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	: Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal. Use only non-sparking tools.
6.4. Reference to other sections	
See Heading 8. Exposure controls and persona	I protection.
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed	: Keep away from heat/sparks/open flames/hot surfaces No smoking.
Precautions for safe handling	: Avoid all eye and skin contact and do not breathe vapor and mist. Ground/bond container and receiving equipment. Use only in well ventilated areas. Use only non-sparking tools.
Hygiene measures	: Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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7.2. Conditions for safe storage, incl	luding any incompatibilities
Storage conditions	: Keep container tightly closed. Keep in a cool place. Self-venting bungs should be provided for
	long term drum storage.
ncompatible materials	: Alkalis. Metal salts. Oxidizing agent. Precious metals.
Storage area	: Store in a well-ventilated place. Store away from heat.
7.3. Specific end use(s)	
No additional information available	
SECTION 8: Exposure controls/p	ersonal protection
8.1. Control parameters	
No additional information available	
8.2. Exposure controls	
Appropriate engineering controls	: Provide local exhaust or general room ventilation.
Personal protective equipment	: Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Hand protection	: Neoprene or nitrile rubber gloves.
Eye protection	: Chemical goggles. Contact lenses should not be worn.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified organic vapor (black cartridge) respirator.
SECTION 9: Physical and chemic	al properties
9.1. Information on basic physical a	
Physical state	: Liquid
Appearance	: Clear liquid.
Molecular mass	: 400 - 500 g/mol
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
Refractive index	: 1.395
oH Rolativa avanaration rata (butul agatata-1)	: No data available : No data available
Relative evaporation rate (butyl acetate=1) Melting point	\therefore NO data available \therefore <-60 °C
Freezing point	: No data available
Boiling point	2 > 205 °C
Flash point	: 75 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Combustible liquid
Vapor pressure	: No data available
Relative vapor density at 20 °C	: >1
Relative density	: 0.9
Solubility	: Insoluble in water.
Log Pow	: No data available
Log Kow	: No data available
/iscosity, kinematic	: 2 - 3 cSt
viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available

SECTION 10: Stability and reactivity 10.1. Reactivity

No additional information available

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10.2. Chemical stability				
Stable in sealed containers stored under a dry in	nert atmosphere.			
10.3. Possibility of hazardous reactions				
The product can generate small amounts of hyd metal salts such as aluminum chloride or precio	lrogen when exposed to alkalis and protic materials such as water and alcohol in combination with us metals such as platinum.			
10.4. Conditions to avoid				
Heat. Open flame. Sparks.				
10.5. Incompatible materials				
Alkalis. Metal salts. Oxidizing agent. Precious m	ietals.			
10.6. Hazardous decomposition products	S			
Hydrogen. Organic acid vapors. Silicon dioxide.				
SECTION 11: Toxicological informa	tion			
11.1. Information on toxicological effects				
Acute toxicity	: Not classified			
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			
Reproductive toxicity	: Not classified			
Specific target organ toxicity (single exposure)	: Not classified			
Specific target organ toxicity (repeated exposure)	: Not classified			
Aspiration hazard	: Not classified			
Symptoms/injuries after inhalation	: No information available.			
Symptoms/injuries after skin contact	: May cause skin irritation.			
Symptoms/injuries after eye contact	: May cause eye irritation.			
Symptoms/injuries after ingestion	: No information available.			
SECTION 12: Ecological information	h			
12.1. Toxicity				
No additional information available				
12.2. Persistence and degradability				
No additional information available				
12.3. Bioaccumulative potential				
No additional information available				
12.4. Mobility in soil				
No additional information available				
12.5. Other adverse effects				
Effect on ozone layer	: No additional information available			
Effect on the global warming	: No known ecological damage caused by this product.			
SECTION 13: Disposal consideratio				
13.1. Waste treatment methods	Do not dispose of waste into source			
Sewage disposal recommendations Waste disposal recommendations	Do not dispose of waste into sewer.Incinerate. Dispose in a safe manner in accordance with local/national regulations. Dispose of			
	contents/container to licensed waste disposal facility.			
Ecology - waste materials	: Avoid release to the environment.			
SECTION 14: Transport information				
14.1. UN number				
DOT NA no.	NA1993			
14.2. UN proper shipping name				
Proper Shipping Name (DOT)	: Combustible liquid, n.o.s.			

(HYDRIDE TERMINATED POLYDIMETHYLSILOXANE)

SDS ID: DMS-H03

EN (English US)

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Transport hazard class(es) (I	DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120			
DOT Symbols			D - Proper shipping name for domestic use only, or to and from Canada,G - Identifies PSN requiring a technical name		
Packing group (DOT)		: III - Minor Danger			
DOT Packaging Exceptions	(49 CFR 173.xxx)	: 150			
DOT Packaging Non Bulk (49	9 CFR 173.xxx)	: 203	203		
DOT Packaging Bulk (49 CF	R 173.xxx)	: 241	41		
14.3. Additional informati	ion				
Other information	Other information : No supplementary information available.				
Special transport precautions	5	: This product is Combustible as defined by the US Department of Transportation (DOT). It is regulated for transport in the US in container > 119 gallons. The product is not regulated for transport by the IATA, ADR/RID, ADNR or the IMDG regulations.			
Transport by sea					
DOT Vessel Stowage Location	on		- The material may be stowed "on deck" or "under deck" on a cargo vessel and on a assenger vessel.		
Air transport					
DOT Quantity Limitations Pa (49 CFR 173.27)	DOT Quantity Limitations Passenger aircraft/rail : 60 L 49 CFR 173.27)				
DOT Quantity Limitations Cargo aircraft only (49 : 220 L CFR 175.75)					
SECTION 15: Regulat	orv information				
15.1. US Federal regulation					
Hydride terminated polyd	imethylsiloyane (70	900-21-0)		
Listed on the United States					
15.2. International regulation					
Hydride terminated polyd	imethylsiloxane (70	900-21-9))		
Listed on the AICS (Austral Listed on the Canadian DS Listed on IECSC (Inventory Listed on the Japanese EN Listed on the Korean ECL (Listed on NZIoC (New Zeal Listed on PICCS (Philipping	L (Domestic Substan of Existing Chemica CS (Existing & New (Existing Chemicals L and Inventory of Che	ices List) I Substar Chemical List) emicals)	nces Produced or Imported in Cl Substances) inventory	hina)	
15.3. US State regulations					
HYDRIDE TERMINATED PO	DLYDIMETHYLSILO	XANE(70	9900-21-9)		
	U.S California - Proposition 65 - Carcinogens List No				
U.S California - Proposition 65 - Developmental No Toxicity					
U.S California - Proposition Toxicity - Female	J.S California - Proposition 65 - Reproductive No				
U.S California - Proposition Toxicity - Male	U.S California - Proposition 65 - Reproductive No Toxicity - Male				
Hydride terminated polydir	Hydride terminated polydimethylsiloxane (70900-21-9)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Tox	-	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)

No

No

No

No

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SECTION 16: Other information	tion
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::	
Flam. Liq. 4	Flammable liquids Category 4
H227	Combustible liquid
Flammability Physical	 1 Slight Hazard - Irritation or minor reversible injury possible 2 Moderate Hazard 1 Slight Hazard
Filysical	
Prepared by safety and environmenta	al affairs.
Date of issue: 10/31/2014 Revision	n date: 10/23/2015 Version: 2.0
SDS US (GHS HazCom 2012) - Custom	
According to Federal Register / Vol. 77, No.	p. 58 / Monday, March 26, 2012 / Rules and Regulations
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