

BISPHENOL F DIGLYCIDYL ETHER (BFDGE) (RING-13C12, 99%) 100 UG/ML IN ACETONITRILE

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 30/08/2016 Revision date: 01/06/2020 Supersedes: 30/08/2016 Version: 1.1 CLM-9867-S

SECTION 1: Identification of the substance/mixture and of the company/undertaking **Product identifier** 1.1. Product form : Mixtures Product name : BISPHENOL F DIGLYCIDYL ETHER (BFDGE) (RING-13C12, 99%) 100 UG/ML IN ACETONITRILE : CLM-9867-S Product code Relevant identified uses of the substance or mixture and uses advised against 1.2. **Relevant identified uses** 1.2.1. Main use category : Professional use Industrial/Professional use spec : For professional use only 1.2.2. Uses advised against No additional information available Details of the supplier of the safety data sheet 1.3. Cambridge Isotope Laboratories, Inc. 50 Frontage Road Andover, MA 01810 USA USA: 1-800-322-1174 Int: 1-978-749-8000 www.isotope.com cilsales@isotope.com **Emergency telephone number** Emergency numbers: Chemtrec: 1-800-424-9300 (24 hours) International: 1-703-741-5970 (24 hours) **SECTION 2: Hazards identification** 2.1. Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP] H225 Flam. Liq. 2 Acute Tox. 4 (Oral) H302 H312 Acute Tox. 4 (Dermal) Acute Tox. 4 (Inhalation:dust,mist) H332 Eye Irrit. 2 H319 Full text of hazard classes and H-statements : see section 16 Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD] F: R11 Xn; R20/21/22

Xi; R36 Full text of R-phrases: see section 16

GHS-US classification

 Flam. Liq. 2
 H225

 Acute Tox. 4 (Oral)
 H302

 Acute Tox. 4 (Dermal)
 H312

 Acute Tox. 4 (Inhalation)
 H332

 Eye Irrit. 2A
 H319

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Lungs, Blood, Kidney, Liver, Central nervous system.

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2.2. Label elements	
Labeling according to Regulation (EC)	No. 1272/2008 [CLP]
Hazard pictograms (CLP)	
	GHS02 GHS07
Signal word (CLP)	: Danger
Hazardous ingredients	: ACETONITRILE UNLABELED
Hazard statements (CLP)	: H225 - Highly flammable liquid and vapor
	H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled H319 - Causes serious eye irritation
Precautionary statements (CLP)	 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P233 - Keep container tightly closed.
	P240 - Ground/bond container and receiving equipment.
	P241 - Use explosion-proof electrical equipment P261 - Avoid breathing dust, fume, gas, mist, spray, vapors.
	P264 - Wash hands thoroughly after handling.
	P270 - Do not eat, drink or smoke when using this product.
	P271 - Use only outdoors or in a well-ventilated area.
GHS-US labeling	
Hazard pictograms (GHS-US)	
	GHS02 GHS07
Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	: H225 - Highly flammable liquid and vapor
	H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled
	H319 - Causes serious eye irritation
Precautionary statements (GHS-US)	 P210 - Keep away from heat, hot surfaces, open flames, sparks No smoking. P233 - Keep container tightly closed.
	P240 - Ground/Bond container and receiving equipment
	P241 - Use explosion-proof electrical equipment
	P242 - Use only non-sparking tools.
	P243 - Take precautionary measures against static discharge. P261 - Avoid breathing dust, fume, gas, mist, spray, vapors.
	P264 - Wash Both hands thoroughly after handling.
	P270 - Do not eat, drink or smoke when using this product.
	P271 - Use only outdoors or in a well-ventilated area.
	P280 - Wear protective clothing, protective gloves. P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell
	P302+P352 - If on skin: Wash with plenty of water
	P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse
	skin with water/shower P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
	P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove conta
	lenses, if present and easy to do. Continue rinsing
	P312 - Call a poison center or doctor if you feel unwell P321 - Specific treatment (see Hazard pictograms (CLP) on this label)

- P321 Specific treatment (see Hazard pictograms (CLP) on this label)
- P330 Rinse mouth.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P370+P378 In case of fire: Use Use personal protective equipment as required, to extinguish.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container to Comply with applicable regulations

2.3. Other hazards

No additional information available

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SECTION 3: Composition/Information on ingredients

3.1. **Substances**

Not applicable 2.2 Mive

N			
Name	Product identifier	%	Classification according to Directive 67/548/EEC
ACETONITRILE UNLABELED	(CAS-No.) 75-05-8 (EC-No.) 200-835-2 (EC Index-No.) 608-001-00-3 (REACH-no) 01-2119471307-38	99.987	F; R11 Xi; R36 Xn; R20/21/22
BISPHENOL F DIGLYCIDYL ETHER (BFDGE) (RING-13C12, 99%)	(CAS-No.) 2095-03-6 (Unlabeled) (EC-No.) 218-257-4 (Unlabeled)	0.013	Not classified
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ACETONITRILE UNLABELED	(CAS-No.) 75-05-8 (EC-No.) 200-835-2 (EC Index-No.) 608-001-00-3 (REACH-no) 01-2119471307-38	99.987	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319
BISPHENOL F DIGLYCIDYL ETHER (BFDGE) (RING-13C12, 99%)	(CAS-No.) 2095-03-6 (Unlabeled) (EC-No.) 218-257-4 (Unlabeled)	0.013	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Chronic 1, H410
Name	Product identifier	%	GHS-US classification
ACETONITRILE UNLABELED	(CAS-No.) 75-05-8	99.987	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2A, H319
BISPHENOL F DIGLYCIDYL ETHER (BFDGE) (RING-13C12, 99%)	(CAS-No.) 2095-03-6 (Unlabeled)	0.013	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Chronic 1, H410

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

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Evacuate area.
First-aid measures after inhalation	 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Immediately call a poison center or doctor/physician. Specific measures (see Hazard pictograms (CLP) on this label). Wash with plenty of soap and water. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Immediately rinse with water for a prolonged period while holding the eyelids wide open. Get immediate medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
4.2. Most important symptoms and effe	cts, both acute and delayed
Symptoms/effects after inhalation	: Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled.
Symptoms/effects after skin contact	: Repeated exposure to this material can result in absorption through skin causing significant health hazard. Harmful in contact with skin.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: Swallowing a small quantity of this material will result in serious health hazard.
4.3. Indication of any immediate medica	I attention and special treatment needed
No additional information available	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).

Suitable	extinguishing	modia
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5.2. Special hazards arising from the s	ubstance or mixture
Fire hazard	: Highly flammable liquid and vapor.
Explosion hazard	: May form flammable/explosive vapor-air mixture.
Reactivity	: Vapors may form explosive mixture with air.
5.3. Advice for firefighters	
Firefighting instructions	 Wear a self contained breathing apparatus. Fight fire with normal precautions from a reasonable distance.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.
Other information	: Use water spray to cool unopened containers.
SECTION 6: Accidental release me	asures
6.1. Personal precautions, protective e	equipment and emergency procedures
General measures	: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.
6.1.1. For non-emergency personnel	
Emergency procedures	: Use personal protective equipment as required. Avoid breathing vapors, mist, gas. Ensure adequate air ventilation. Evacuate unnecessary personnel. Eliminate all ignition sources if safe to do so. Provide adequate ventilation to minimize dust and/or vapor concentrations. Special attention should be given to low areas/pits where flammable vapors can accumulate.
6.1.2. For emergency responders	
Protective equipment	: For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Prevent entry to sewers and public waters. Do	not allow to enter drains or water courses. Avoid release to the environment.
6.3. Methods and material for containing	nent and cleaning up
For containment	: Dike and contain spill. Disposal should be in accordance with applicable Federal, State and local regulations.
Methods for cleaning up	: Collect spillage. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation.
6.4. Reference to other sections	
No additional information available	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed	: Handle empty containers with care because residual vapors are flammable.
Precautions for safe handling	: No open flames. No smoking. Use only non-sparking tools. Use only outdoors or in a well- ventilated area. Avoid breathing Avoid breathing dust, mist or spray.
Hygiene measures	: Do not eat, drink or smoke when using this product. Wash Both hands thoroughly after handling.
7.2. Conditions for safe storage, include	ding any incompatibilities
Technical measures	: Keep container tightly closed in a cool, dry and well-ventilated place.
Storage conditions	: Store at room temperature away from light and moisture.
Incompatible materials	: Heat sources.
7.3. Specific end use(s)	

No additional information available

SECTION 8: Exposure controls/personal protection		
8.1. Control parameters		
BISPHENOL F DIGLYCIDYL ETHER (BFDGE) (RING-13C12, 99%) 100 UG/ML IN ACETONITRILE		
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	20.0000000 ppm Lower Respiratory Tract irritation. Not classifiable as a human carcinogen.
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	34 mg/m ³ Forms Cyanide in the body.
USA NIOSH	NIOSH REL (TWA) (ppm)	20 ppm Forms Cyanide in the body.
USA OSHA	OSHA PEL (TWA) (mg/m ³)	70 mg/m ³ The value in mg/m3 is approximate.
USA OSHA	OSHA PEL (TWA) (ppm)	40 ppm The value in mg/m3 is approximate.

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ACETONITRILE UNLABELED (75-05-8)		
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	20.00000000 ppm Lower Respiratory Tract irritation. Not classifiable as a human carcinogen.
USA NIOSH	NIOSH REL (TWA) (mg/m³)	34 mg/m ³ Forms Cyanide in the body.
USA NIOSH	NIOSH REL (TWA) (ppm)	20 ppm Forms Cyanide in the body.
USA OSHA	OSHA PEL (TWA) (mg/m³)	70 mg/m ³ The value in mg/m3 is approximate.
USA OSHA	OSHA PEL (TWA) (ppm)	40 ppm The value in mg/m3 is approximate.

Exposure controls 8.2. Appropriate engineering controls

: Handle in accordance with good industrial hygiene and safety procedures.

- Personal protective equipment
- : Protective clothing. Protective goggles. Gloves. Self-contained breathing apparatus.



Materials for protective clothing	: Wear suitable protective clothing and gloves.
Hand protection	: Wear suitable protective clothing and gloves.
Eye protection	: Chemical goggles or face shield with safety glasses.
Skin and body protection	: Wear suitable protective clothing, gloves and eye/face protection.
Respiratory protection	: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.
Environmental exposure controls	: Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and c	hemical properties	
The properties listed below are for the solvent, the main component of this mixture.		
Physical state	: Liquid	
Appearance	: Liquid, clear	
Molecular mass	: 41.05 g/mol	
Color	: Colorless	
Odor	: Ether-like	
Odor threshold	: No data available	
рН	: No data available	
Relative evaporation rate (butyl acetate=1)	: No data available	
Melting point	: -48 °C (-54°F)	
Freezing point	: No data available	
Boiling point	: 81 - 82 °C (178 - 180 °F)	
Flash point	: 2 °C (35.6 °F) - closed cup	
Auto-ignition temperature	: 523 °C (973 °F)	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: Highly flammable liquid and vapor	
Vapor pressure	 73.18 hPa (54.89 mmHg) at 15°C (59 °F), 119.81 hPa (89.86 mmHg) at 25°C(77 °F) 	
Relative vapor density at 20 °C	: 1.42 - (Air = 1.0)	
Relative density	: No data available	
Specific gravity / density	: 0.786 g/ml	
Solubility	: Water: 100 %	
Log Pow	: -0.34	
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	
Explosion limits	: 4.4 - 16 vol %	

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9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivit	v
10.1. Reactivity	·
Vapors may form explosive mixture with air.	
10.2. Chemical stability	
See storage and expiration date on CoA.	
10.3. Possibility of hazardous reactions	
Highly flammable liquid and vapor.	
10.4. Conditions to avoid	
Open flame. Direct sunlight.	
10.5. Incompatible materials	
Acids, Bases, Oxidizing agents, Reducing age	nts, Alkali metals.
10.6. Hazardous decomposition produc	ts
May release flammable gases.	
SECTION 11: Toxicological information	ation
11.1. Information on toxicological effec	
Acute toxicity	: Oral: Harmful if swallowed. Dermal: Harmful in contact with skin. Inhalation:dust, mist: Harmful if
noute toxicity	inhaled.
BISPHENOL F DIGLYCIDYL ETHER (BFDC	GE) (RING-13C12, 99%) 100 UG/ML IN ACETONITRILE
LD50 oral rat	2460 mg/kg
LD50 dermal rabbit	2000 mg/kg
LC50 inhalation rat (mg/l)	≥ 26.8 mg/l
LC50 inhalation rat (ppm)	7551 ppm - 8h
ATE CLP (oral)	500.000 mg/kg body weight
ATE CLP (dermal)	2000.000 mg/kg body weight
ATE CLP (gases)	4500.000 ppmV/4h
ATE CLP (vapors)	11.000 mg/l/4h
ATE CLP (dust, mist)	1.500 mg/l/4h
ACETONITRILE UNLABELED (75-05-8)	
LD50 oral rat	2460 mg/kg
LD50 dermal rabbit	2000 mg/kg
LC50 inhalation rat (mg/l)	≥ 26.8 mg/l
LC50 inhalation rat (ppm)	7551 ppm - 8h
ATE CLP (oral)	500.000 mg/kg body weight
ATE CLP (dermal)	2000.000 mg/kg body weight 4500.000 ppmV/4h
ATE CLP (gases) ATE CLP (vapors)	11.000 mg/l/4h
ATE CLP (dust, mist)	1.500 mg/l/4h
Skin corrosion/irritation	: Not classified
	Skin - Rabbit - No skin irritation
Serious eye damage/irritation	: Causes serious eye irritation.
Conodo oyo damago/imation	Eyes - Rabbit - Irritating to eyes
Respiratory or skin sensitization	Did not cause sensitization on laboratory animals. Buehler Test - Guinea pig - Did not cause
	sensitization on laboratory animals. (OECD 406 method)
Germ cell mutagenicity	: Not classified
Carcinogenicity	: No evidence of carcinogenicity in animal studies (when indicated).
Reproductive toxicity	: Animal testing did not show any effects on fertility.
Specific target organ toxicity – single exposure	
	The substance or mixture is not classified as specific target organ toxicant.
Specific target organ toxicity – repeated	: Not classified
exposure	The substance or mixture is not classified as specific target organ toxicant.
Aspiration hazard	: Not classified
01/06/2020	EN (English US) 6/11

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Potential Adverse human health effects and symptoms	: Treat as cyanide poisoning. Always have on hand a cyanide first-aid kit, together with proper instructions. The onset of symptoms is generally delayed pending conversion to cyanide. Nausea, Vomiting, Diarrhea, Headache, Dizziness, Rash, Cyanosis, Excitement, Depression, Drowsiness, Impaired judgment, Lack of coordination, Stupor, Death. Lungs - Lung edema - Based on human evidence. Harmful if swallowed. Harmful in contact with skin. This informatior is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.	
Symptoms/effects after inhalation	: Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled.	
Symptoms/effects after skin contact	: Repeated exposure to this material can result in absorption through skin causing significant health hazard. Harmful in contact with skin.	
Symptoms/effects after eye contact	: Causes serious eye irritation.	
Symptoms/effects after ingestion	: Swallowing a small quantity of this material will result in serious health hazard.	

SECTION 12: Ecological information	tion
12.1. Toxicity	
BISPHENOL F DIGLYCIDYL ETHER (BF	DGE) (RING-13C12, 99%) 100 UG/ML IN ACETONITRILE
LC50 fish 1	1640 mg/l Pimephales promelas (fathead minnow) - 96h
EC50 Daphnia 1	3600 mg/l Daphnia magna (Water flea) - 48h
NOEC (chronic)	640 mg/l Daphnia magna (Water flea) - 14d
ACETONITRILE UNLABELED (75-05-8)	
LC50 fish 1	1640 mg/l Pimephales promelas (fathead minnow) - 96h
EC50 Daphnia 1	3600 mg/l Daphnia magna (Water flea) - 48h
NOEC (chronic)	640 mg/l Daphnia magna (Water flea) - 14d
12.2. Persistence and degradability	
	DGE) (RING-13C12, 99%) 100 UG/ML IN ACETONITRILE
Persistence and degradability	Biodegradability Result: - Readily biodegradable.
ACETONITRILE UNLABELED (75-05-8)	
Persistence and degradability	Biodegradability Result: - Readily biodegradable.
12.3. Bioaccumulative potential	
BISPHENOL F DIGLYCIDYL ETHER (BF	DGE) (RING-13C12, 99%) 100 UG/ML IN ACETONITRILE
Log Pow	-0.34
Bioaccumulative potential	No bioaccumulation is to be expected (log Pow <= 4).
ACETONITRILE UNLABELED (75-05-8)	
Log Pow	-0.34
Bioaccumulative potential	No bioaccumulation is to be expected (log Pow <= 4).
12.4. Mobility in soil	
BISPHENOL F DIGLYCIDYL ETHER (BF	DGE) (RING-13C12, 99%) 100 UG/ML IN ACETONITRILE
Ecology - soil	Not expected to absorb on soil.
ACETONITRILE UNLABELED (75-05-8)	
Ecology - soil	Not expected to absorb on soil.
12.5. Results of PBT and vPvB asses	sment
No additional information available	
12.6. Other adverse effects	
Other adverse effects	: Avoid release to the environment. Disposal must be done according to official regulations. Ma cause long lasting harmful effects to aquatic life.
SECTION 13: Disposal considera	tions

: Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.
Dispose of contents/container to Comply with applicable regulations.Handle empty containers with care because residual vapors are flammable.
: Dispose of as unused product.

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SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA / A	DN
14.1. UN number	
UN-No.(DOT)	: 1648
DOT NA no.	UN1648
14.2. UN proper shipping name	
Proper Shipping Name (DOT)	: Acetonitrile
Class (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT)	: 3 - Flammable liquid
	FLAMMABLE LIQUID
Packing group (DOT)	: II - Medium Danger
DOT Special Provisions (49 CFR 172.102)	 IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T7 - 4 178.274(d)(2) Normal
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 202
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
Marine pollutant	: No

14.3. Additional information	
Other information	: No supplementary information available.
Overland transport	
Packing group (ADR)	: 11
Class (ADR)	: 3 - Flammable liquid
Hazard identification number (Kemler No.)	: 33

o.) : 33 : F1

: 3 - Flammable liquids



		:
		:

: E2

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Tunnel restriction code (ADR)
Limited quantities (ADR)
EAC
Excepted quantities (ADR)

Classification code (ADR)

Hazard labels (ADR)

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Transport by sea	
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
DOT Vessel Stowage Other	: 40 - Stow "clear of living quarters"
MFAG-No	: 127
Air transport	
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
Civil Aeronautics Law	: Flammable liquids

14.4.	Environmental hazards	
Other in	formation	: No supplementary information available.
14.5.	Special precautions for user	
14.6.	5. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	

Not applicable

SECTION 15: Regulatory information			
15.1. US Federal regulations			
BISPHENOL F DIGLYCIDYL ETHER (BFDGE) (RING-13C12, 99%) 100 UG/ML IN ACETONITRILE			
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of United States SARA Section 302		
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard		
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313		
ACETONITRILE UNLABELED (75-05-8)			
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of United States SARA Section 302		
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard		
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313		
BISPHENOL F DIGLYCIDYL ETHER (BFDGE) (RING-13C12, 99%) (2095-03-6 (Unlabeled))			
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302		
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard		
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313		

15.2. International regulations

CANADA

BISPHENOL F DIGLYCIDYL ETHER (BFDGE) (RING-13C12, 99%) 100 UG/ML IN ACETONITRILE	
Listed on the Canadian DSL (Domestic Substances List)	

15.2.1. National regulations

No additional information available

15.3. US State regulations

BISPHENOL F DIGLYCIDYL ETHER (BFDGE) (RING-13C12, 99%) 100 UG/ML IN ACETONITRILE()		
U.S California - Proposition 65 - Carcinogens List	No	
U.S California - Proposition 65 - Developmental Toxicity	No	
U.S California - Proposition 65 - Reproductive	No	

UG/ML IN ACETONITRILE CLM-9867-S

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

20, 2012 / Rules and Regulation	lo				
	YL ETHER (BF	DGE) (RING-1	3C12, 99%) 100 UG/ML IN AC	ETONITRILE()	
Toxicity - Female					
U.S California - Proposition 65 - Reproductive Toxicity - Male		No			
State or local regulations		U.S Massachusetts - Right 7 U.S New Jersey - Right to K U.S Pennsylvania - RTK (Rig	now Hazardous Substance	e List	
ACETONITRILE UNLABE	LED (75-05-8)	1			
U.S California -	U.S Califo	ornia -	U.S California -	U.S California -	No significant risk level
Proposition 65 - Carcinogens List	Proposition Development		Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity Male	(NSRL)
No	No		No	No	
BISPHENOL F DIGLYCID	YL ETHER (BF	DGE) (RING-1	3C12, 99%) (2095-03-6 (Unla t	peled))	
U.S California -	U.S Califo		U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition		Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developme	ntal Toxicity	Reproductive Toxicity - Female	Reproductive Toxicity Male	-
No	No		No	No	
ACETONITRILE UNLABE	LED (75-05-8)				<u>.</u>
State or local regulations	5				
BISPHENOL F DIGLYCID State or local regulations		DGE) (RING-1	3C12, 99%) (2095-03-6 (Unla b	peled))	
U.S New Jersey - Right t U.S Pennsylvania - RTK	to Know Hazard (Right to Know)	ous Substance	List		
SECTION 16: Other	information				
		. This	nundustic not verlies stive. The	alata airra far this anadro	
Other information : This product is not radioactive. The data given for this product are those of the corresponding unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled compounds are generally not available, but are assumed to be similar or identical to the corresponding unlabeled compound.					
Full text of R-, H- and EUH					
Acute Tox. 4 (Derma	,		(dermal) Category 4		
Acute Tox. 4 (Inhala	,		(inhalation) Category 4		
			(inhalation:dust,mist) Category	/ 4	
		ity (oral) Category 4			
		to the aquatic environment - Chronic Hazard Category 1			
Eye Irrit. 2			damage/eye irritation Category	2	
Flam. Liq. 2			quids Category 2		
Skin Irrit. 2			n/irritation Category 2		
			ization, Category 1		
STOT SE 3			get organ toxicity (single exposure) Category 3		
H225			able liquid and vapor		
H302		Harmful if swa			
H312	H312 Harmful i		ntact with skin		

H315

H317

H319

H332

H335

H410

R11 R20/21/22

R36

F

Xi

Xn

Causes skin irritation

Harmful if inhaled

Highly flammable

Irritating to eyes

Irritant Harmful

Highly flammable

May cause an allergic skin reaction

Very toxic to aquatic life with long lasting effects

Harmful by inhalation, in contact with skin and if swallowed

Causes serious eye irritation

May cause respiratory irritation

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NFPA health hazard	: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
NFPA fire hazard	: 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.
NFPA reactivity	: 0 - Material that in themselves are normally stable, even under fire conditions.
Hazard Rating	
Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	: 3 Serious Hazard
Physical	: 0 Minimal Hazard

CIL Mixture SDS

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product