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ersion 0	Revision Date: 10/27/2021		e of last issue: - e of first issue: 10/27/2021	Print Date: 10/28/2021
ECTION	1. IDENTIFICATION			
	uct name		HySyn FGE-22	
		•		
Article	e-No.	:	340432	
Manu	afacturer or supplier's	deta	ills	
Comp	pany name of supplier	:	Klüber Lubrication NA LP 9010 CR 2120 Tyler, Texas 75707 Phone: (903) 534-8021 Fax: (903) 581-4376	
			32 Industrial Drive Londonderry, NH 03053 Phone: (603) 647-4104 Fax: (603) 647-4106	
	il address of person Insible for the SDS	:	mcm@us.kluber.com Material Compliance Management	
Emer ber	gency telephone num-	:	+1-517-545-7070 NCEC	

Recommended use	:	Lubricating oil
Restrictions on use	:	Restricted to professional users.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a hazardous substance or mixture.

GHS label elements

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature

: Synthetic hydrocarbon oil





Version	Revision Date:	Date of last issue: -	Print Date:
1.0	10/27/2021	Date of first issue: 10/27/2021	10/28/2021

Components

Chemical name	CAS-No.	Concentration (% w/w)
Dec-1-ene, homopolymer, hydrogen- ated	68037-01-4	Trade secret (>= 30 - < 60)
Actual concentration is withheld as a t	rade secret	

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

If inhaled	:	Remove person to fresh air. If signs/symptoms continue, get medical attention. Keep patient warm and at rest. If unconscious, place in recovery position and seek medical advice. Keep respiratory tract clear. If breathing is irregular or stopped, administer artificial respira- tion.
In case of skin contact	:	Remove contaminated clothing. If irritation develops, get med- ical attention. In case of contact, immediately flush skin with plenty of water. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	:	Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. If eye irritation persists, consult a specialist.
If swallowed	:	Move the victim to fresh air. If unconscious, place in recovery position and seek medical advice. Keep respiratory tract clear. Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	:	No information available. None known.
Notes to physician	:	No information available.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing	:	High volume water jet





Version 1.0	Revision Date: 10/27/2021		e of last issue: - e of first issue: 10/27/2021	Print Date: 10/28/2021
medi	a			
Haza ucts	ardous combustion prod-	- :	Carbon oxides	
Furth	ner information	:	Standard procedure for chemical fir Collect contaminated fire extinguish must not be discharged into drains.	ning water separately. This
	cial protective equipment refighters	t :	In the event of fire, wear self-contai Use personal protective equipment. Exposure to decomposition product health.	

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- : tive equipment and emer- gency procedures	Evacuate personnel to safe areas. Use personal protective equipment. Ensure adequate ventilation. Refer to protective measures listed in sections 7 and 8.
Environmental precautions :	Do not allow contact with soil, surface or ground water. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for : containment and cleaning up	Contain spillage, and then collect with non-combustible ab- sorbent material, (e.g. sand, earth, diatomaceous earth, ver- miculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	:	Avoid inhalation of vapour or mist. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the ap- plication area. Wash hands and face before breaks and immediately after handling the product. Do not ingest. Do not repack. Do not re-use empty containers. These safety instructions also apply to empty packaging which may still contain product residues. Keep container closed when not in use.
Conditions for safe storage	:	Store in original container.

Keep container closed when not in use.





HySyn F	·GE-22			
Version 1.0	Revision Date: 10/27/2021		e of last issue: - e of first issue: 10/27/2021	Print Date: 10/28/2021
			Keep in a dry, cool and well-ventil Containers which are opened mus kept upright to prevent leakage. Store in accordance with the parti Keep in properly labelled contained	st be carefully resealed and icular national regulations.
SECTION	8. EXPOSURE CON	TROL	S/PERSONAL PROTECTION	
Com	oonents with workpl	lace co	ontrol parameters	
Conta	ains no substances wi	ith occ	upational exposure limit values.	
Engir	neering measures	:	none	
Perso	onal protective equi	pment		
Respi	iratory protection	:	Not required; except in case of ae	erosol formation.
Fil	ter type	:	Filter type A-P	
Ma Br	Hand protection aterial eak through time otective index	:	Nitrile rubber > 10 min Class 1	
Re	emarks	:	For prolonged or repeated contact break through time depends amon material, the thickness and the typ has to be measured for each case	ngst other things on the pe of glove and therefore
Eye p	protection	:	Safety glasses with side-shields	
Prote	ctive measures	:	The type of protective equipment to the concentration and amount of at the specific workplace. Choose body protection in relation tration and amount of dangerous cific work-place.	of the dangerous substance n to its type, to the concen-

Hygiene measures : Wash face, hands and any exposed skin thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	yellow
Odour	:	characteristic





Vers		vision Date:		of last issue: - of first issue: 10/27/2021	Print Date:
1.0	10/	27/2021	Date		10/28/2021
	Odour Thre	eshold	:	No data available	
	рН		:	Not applicable	
	Melting poi	nt/range	:	No data available	
	Boiling poir	nt/boiling range	:	No data available	
	Flash point		:	392 °F / 200 °C	
				Method: ASTM D 92, Cleveland open cu	p
	Evaporation	n rate	:	No data available	
	Flammabili	ty (solid, gas)	:	Not applicable	
	Self-ignitior	า	:	No data available	
	Upper expl flammability	osion limit / Upper y limit	:	No data available	
	Lower expl flammability	osion limit / Lower y limit	· :	No data available	
	Vapour pre	ssure	:	< 0.001 hPa (68 °F / 20 °C)	
	Relative va	pour density	:	No data available	
	Relative de	ensity	:	0.836 (68 °F / 20 °C) Reference substance: Water The value is calculated	
	Bulk densit	У	:	No data available	
	Solubility(ie Water s		:	insoluble	
	Solubilit	y in other solvents	3 :	No data available	
	Partition co octanol/wat	efficient: n- ter	:	No data available	
	Auto-ignitio	on temperature	:	No data available	
	Decomposi	ition temperature	:	No data available	
	Viscosity Viscosit	y, dynamic	:	No data available	





SUMMIT

HySyn FGE-22

Version 1.0	Revision Date: 10/27/2021	Date of last issue: - Date of first issue: 10/27/2021	Print Date: 10/28/2021
Viscosity, kinematic		: 22 mm2/s (104 °F / 40 °C) Method: ASTM D 445	
Explo	osive properties	: Not explosive	
Oxidi	zing properties	: No data available	
Subli	mation point	: No data available	

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No hazards to be specially mentioned.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reac- tions	:	No dangerous reaction known under conditions of normal use.
Conditions to avoid	:	No conditions to be specially mentioned.
Incompatible materials	:	No materials to be especially mentioned.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:		
Acute oral toxicity	:	Remarks: This information is not available.
Acute inhalation toxicity	:	Acute toxicity estimate: 25 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Components:		
<u>Components:</u> Dec-1-ene, homopolymer, hy	ydr	ogenated:
		ogenated: LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 423 GLP: yes





sion Revision Da 10/27/2021		of last issue: - of first issue: 10/27/2021	Print Date: 10/28/2021
	N C A	Fest atmosphere: dust/mist Method: OECD Test Guideline 40 GLP: yes Assessment: The substance or m ion toxicity	
Acute dermal toxici	n A	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 40 Assessment: The substance or m oxicity	
Skin corrosion/irri	tation		
Product:			
Remarks	: 1	This information is not available.	
<u>Components:</u>			
Dec-1-ene, homop	olymer, hydrog	genated:	
Species	: F	Rabbit	
Assessment	: 1	No skin irritation	
Method	: (DECD Test Guideline 404	
Result	: 1	No skin irritation	
Result GLP Serious eye dama	:)	No skin irritation /es n	
GLP	:) ge/eye irritatio	/es	
GLP Serious eye dama <u>Product:</u>	:) ge/eye irritatio	/es n	
GLP Serious eye dama <u>Product:</u> Remarks	: y ge/eye irritation : ٦	ves n This information is not available.	
GLP Serious eye dama <u>Product:</u> Remarks <u>Components:</u>	: ় ge/eye irritation : ৗ olymer, hydrog	ves n This information is not available.	
GLP Serious eye dama <u>Product:</u> Remarks <u>Components:</u> Dec-1-ene, homop	:) ge/eye irritation : ٦ olymer, hydrog : F : N	ves n This information is not available. genated: Rabbit No eye irritation	
GLP Serious eye dama <u>Product:</u> Remarks <u>Components:</u> Dec-1-ene, homop Species	; y ge/eye irritation ; ٦ olymer, hydrog ; F ; ↑	ves n This information is not available. genated: Rabbit No eye irritation No eye irritation	
GLP Serious eye dama Product: Remarks Components: Dec-1-ene, homop Species Result Assessment Method	; y ge/eye irritation ; ٦ olymer, hydrog ; F ; ↑	ves n This information is not available. genated: Rabbit No eye irritation	
GLP Serious eye dama Product: Remarks Components: Dec-1-ene, homop Species Result Assessment	;) ge/eye irritation ; 7 olymer, hydrog ; F ; 1 ; 1 ; 1	ves n This information is not available. genated: Rabbit No eye irritation No eye irritation	
GLP Serious eye dama Product: Remarks Components: Dec-1-ene, homop Species Result Assessment Method	;) ge/eye irritation ; ٦ olymer, hydrog ; F ; ↑ ; ↑ ; ↑ ; ↓	res n This information is not available. genated: Rabbit No eye irritation No eye irritation DECD Test Guideline 405	
GLP Serious eye dama Product: Remarks Components: Dec-1-ene, homop Species Result Assessment Method GLP Respiratory or ski Product:	ge/eye irritation : 7 olymer, hydrog : F : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1	res n This information is not available. genated: Rabbit No eye irritation No eye irritation DECD Test Guideline 405 res	
GLP Serious eye dama Product: Remarks Components: Dec-1-ene, homop Species Result Assessment Method GLP Respiratory or ski	ge/eye irritation : 7 olymer, hydrog : F : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1	res n This information is not available. genated: Rabbit No eye irritation No eye irritation DECD Test Guideline 405	
GLP Serious eye dama Product: Remarks Components: Dec-1-ene, homop Species Result Assessment Method GLP Respiratory or ski Product:	ge/eye irritation : 7 olymer, hydrog : F : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1	res n This information is not available. genated: Rabbit No eye irritation No eye irritation DECD Test Guideline 405 res	
GLP Serious eye dama Product: Remarks Components: Dec-1-ene, homop Species Result Assessment Method GLP Respiratory or ski Product: Remarks	ge/eye irritation : 7 olymer, hydrog : 7 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1	rhis information is not available. genated: Rabbit No eye irritation No eye irritation DECD Test Guideline 405 res This information is not available.	
GLP Serious eye dama Product: Remarks Components: Dec-1-ene, homop Species Result Assessment Method GLP Respiratory or ski Product: Remarks Components:	ge/eye irritation : ☐ olymer, hydrog : F : N : 0 : 0 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1	res This information is not available. genated: Rabbit No eye irritation No eye irritation DECD Test Guideline 405 res This information is not available. genated: Maximisation Test	
GLP Serious eye dama Product: Remarks Components: Dec-1-ene, homop Species Result Assessment Method GLP Respiratory or ski Product: Remarks Components: Dec-1-ene, homop Test Type Species	ge/eye irritation : 7 olymer, hydrog : 6 : 7 : 7 : 7 : 7 : 7 : 7 : 7 : 7 : 7 : 7	res n This information is not available. genated: Rabbit No eye irritation No eye irritation DECD Test Guideline 405 res This information is not available. genated: Maximisation Test Guinea pig	
GLP Serious eye dama Product: Remarks Components: Dec-1-ene, homop Species Result Assessment Method GLP Respiratory or ski Product: Remarks Components: Dec-1-ene, homop Test Type	ge/eye irritation : 7 olymer, hydrog : 6 : 7 : 7 : 7 : 7 : 7 : 7 : 7 : 7 : 7 : 7	res This information is not available. genated: Rabbit No eye irritation No eye irritation DECD Test Guideline 405 res This information is not available. genated: Maximisation Test	
GLP Serious eye dama Product: Remarks Components: Dec-1-ene, homop Species Result Assessment Method GLP Respiratory or ski Product: Remarks Components: Dec-1-ene, homop Test Type Species	ge/eye irritation : 7 olymer, hydrog : 6 : 7 : 7 : 7 : 7 : 7 : 7 : 7 : 7 : 7 : 7	res n This information is not available. genated: Rabbit No eye irritation No eye irritation DECD Test Guideline 405 res This information is not available. genated: Maximisation Test Guinea pig	



sion	Revision Date: 10/27/2021	Date of last issue: - Date of first issue: 10/27/2021	Print Date: 10/28/2021
Metho Resul GLP		 : OECD Test Guideline 406 : Does not cause skin sensitisati : yes 	ion.
Germ	cell mutagenicity		
<u>Produ</u>	uct:		
Genot	toxicity in vitro	: Remarks: No data available	
Genot	toxicity in vivo	: Remarks: No data available	
<u>Comp</u>	oonents:		
Dec-1	-ene, homopolyme	r, hydrogenated:	
Genot	toxicity in vitro	: Test Type: Ames test Method: Mutagenicity (Escheric assay) Result: negative GLP: yes	chia coli - reverse mutation
	cell mutagenicity - ssment	: Animal testing did not show an	y mutagenic effects.
Carci	nogenicity		
<u>Produ</u> Rema		: No data available	
<u>Comp</u>	oonents:		
Dec-1	-ene, homopolyme	r, hydrogenated:	
Carcir ment	nogenicity - Assess-	: Not classifiable as a human ca	rcinogen.
IARC		nent of this product present at levels gr as probable, possible or confirmed hum	
IARC OSHA	A No compo	nent of this product present at levels gr s list of regulated carcinogens.	eater than or equal to 0.1% is
NTP		nent of this product present at levels gr as a known or anticipated carcinogen by	
Repro	oductive toxicity		
Produ	Jct:		
	s on fertility	: Remarks: No data available	





ySyn F(GE-22						
ersion)	Revision Date: 10/27/2021	Date of last issue: - Date of first issue: 10/27/2021	Print Date: 10/28/2021				
ment							
<u>Comp</u>	onents:						
Dec-1-	-ene, homopolymer,	hydrogenated:					
Repro	Reproductive toxicity - As- sessment	: - Fertility - No toxicity to reproduction - Teratogenicity -					
sessm							
		Did not show teratogenic effects	in animal experiments.				
Repea	ted dose toxicity						
<u>Produ</u>	ct:						
Remar	rks	: This information is not available.					
Aspira	ation toxicity						
<u>Produ</u>	ct:						
This in	formation is not avail	able.					
<u>Comp</u>	onents:						
Dec-1	-ene, homopolymer,	hydrogenated:					
May be	e fatal if swallowed a	nd enters airways.					
Furthe	er information						
Produ	ct:						
Remar	rks	: Information given is based on data the toxicology of similar products					
ECTION 1	12. ECOLOGICAL IN xicity	FORMATION					
Ecoto	xicity						

Product:		
Toxicity to fish	:	Remarks: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Toxicity to daphnia and other aquatic invertebrates	:	Remarks: No data available
Toxicity to algae/aquatic plants	:	Remarks: No data available
Toxicity to microorganisms	:	Remarks: No data available
		a brand of





Version	Revision Date:	Date of last issue: -	Print Date:
1.0	10/27/2021	Date of first issue: 10/27/2021	10/28/2021

Components:

Dec-1-ene, homopolymer, hydrogenated: Toxicity to fish LC50 (Oncorhynchus mykiss (rainbow trout)): > 1,000 mg/l : Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203 GLP: yes Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l aquatic invertebrates Exposure time: 48 h Test Type: Immobilization Method: OECD Test Guideline 202 GLP: yes Toxicity to algae/aquatic ErC50 (Scenedesmus capricornutum (fresh water algae)): > : plants 1,000 mg/l Exposure time: 72 h Test Type: Growth inhibition Method: OECD Test Guideline 201 GLP: yes NOEC (Daphnia magna (Water flea)): 125 mg/l Toxicity to daphnia and other : aquatic invertebrates (Chron-Exposure time: 21 d

Persistence and degradability

Product:

ic toxicity)

Biodegradability	:	Remarks: No data available
Physico-chemical removabil- ity	:	Remarks: No data available

Components:

Dec-1-ene, homopolymer, hydrogenated:				
Biodegradability	:	Primary biodegradation Inoculum: activated sludge Result: Not readily biodegradable. Method: OECD Test Guideline 301B		

Bioaccumulative potential

Product:

Bioaccumulation	:	Remarks: This mixture contains no substance considered to
		be persistent, bioaccumulating and toxic (PBT).
		This mixture contains no substance considered to be very
		persistent and very bioaccumulating (vPvB).





rsion)	Revision Date: 10/27/2021	Date of last issue: - Date of first issue: 10/27/2021	Print Date: 10/28/2021
<u>Comp</u>	oonents:		
Dec-1	l-ene, homopolymer,	nydrogenated:	
	ion coefficient: n- ol/water	: log Pow: > 6.5 (68 °F / 20 °C)	
Mobil	lity in soil		
Produ	uct:		
Mobili	ity	: Remarks: No data available	
	oution among environ- al compartments	: Remarks: No data available	
Other	adverse effects		
Produ	uct:		
Ozono	Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 tection of Stratospheric Ozone - CAA Section 602 Clas Substances Remarks: This product neither contains, nor was manu tured with a Class I or Class II ODS as defined by the U Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A		CAA Section 602 Class I contains, nor was manufac- DDS as defined by the U.S.
Additi matio	onal ecological infor- n	: Harmful to aquatic life with long	lasting effects.
<u>Comp</u>	oonents:		
Dec-1	l-ene, homopolymer,	nydrogenated:	
	ts of PBT and vPvB	: Non-classified PBT substance N	Non-classified vPvB substan

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues	:	The product should not be allowed to enter drains, water courses or the soil. Do not dispose of with domestic refuse. Dispose of as hazardous waste in compliance with local and national regulations.
Contaminated packaging	:	Packaging that is not properly emptied must be disposed of as the unused product. Dispose of waste product or used containers according to local regulations.





Version	Revision Date:	Date of last issue: -	Print Date:
1.0	10/27/2021	Date of first issue: 10/27/2021	10/28/2021

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

49 CFR Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : No SARA Hazards

SARA 313

: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).





Version	Revision Date:	Date of last issue: -	Print Date:
1.0	10/27/2021	Date of first issue: 10/27/2021	10/28/2021

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

US State Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know

Dec-1-ene, homopolymer, hydrogenated	68037-01-4
Dec-1-ene, homopolymer, hydrogenated	68037-01-4
sec-hexadecylnaphthalene	94247-63-9

Maine Chemicals of High Concern

Product does not contain any listed chemicals

Vermont Chemicals of High Concern

Product does not contain any listed chemicals

Washington Chemicals of High Concern

Product does not contain any listed chemicals

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION

Further information

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EMS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil





Version	Revision Date:	Date of last issue: -	Print Date:
1.0	10/27/2021	Date of first issue: 10/27/2021	10/28/2021

Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI -Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ -Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB -Very Persistent and Very Bioaccumulative

Revision Date

10/27/2021

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