

Version 2.3	Revision Date: 11/15/2023	Date of last issue: 11/04/2022 Date of first issue: 05/20/2021	Print Date: 03/17/2025
SECTION	1. IDENTIFICATION		
Prod	uct name	: ISOFLEX NBU 15	
Articl	e-No.	: 004026	
Man	ufacturer or supplier's	s details	
Com	pany name of supplier	 Klüber Lubrication NA LP 9010 County Road 2120 Tyler, Texas 75707 USA Phone: +1 903 534 8021 Fax: +1 903 581 4376 32 Industrial Drive Londonderry, NH 03053 USA Phone: +1 603 647 4104 Fax: +1 603 647 4106 	
	ail address of person onsible for the SDS	: mcm@us.kluber.com Material Compliance Manageme	nt
Eme	rgency telephone per	: +1 517 545 7070 NCEC	
	ommended use of the ommended use	chemical and restrictions on use : Grease	
Rest	rictions on use	: Restricted to professional users.	

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accor 1910.1200)	GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)			
Acute toxicity (Oral)	:	Category 4		
Acute toxicity (Inhalation)	:	Category 4		
GHS label elements Hazard pictograms	:	<u>!</u>		





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Signa	al word	: Warning
Haza	rd statements	: Harmful if swallowed or if inhaled.
Preca	autionary statements	 Prevention: Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area.
		Response: IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
		Disposal: Dispose of contents/ container to an approved waste disposal plant.
••	r hazards known.	

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	:	Mixture
Chemical nature	:	Mineral oil. Synthetic hydrocarbon oil ester oil barium complex soap

Components

Chemical name	CAS-No.	Concentration (% w/w)
Reaction mixture of hydrogenated tallow alkyl amines with sebacic acid and barium hydroxide	1282612-27-4	Trade secret (>= 30 - < 60)
Dec-1-ene, homopolymer, hydrogenated	68037-01-4	Trade secret (>= 10 - < 30)

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.





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			If unconscious, place in recovery po advice. Keep respiratory tract clear. If breathing is irregular or stopped, a respiration.	
In c	case of skin contact	:	Take off all contaminated clothing in Wash off immediately with soap and Get medical attention immediately if persists. Wash clothing before reuse. Thoroughly clean shoes before reus	I plenty of water. irritation develops and
In c	case of eye contact	:	Rinse immediately with plenty of wa for at least 10 minutes. Seek medical advice.	ter, also under the eyelids,
lf s	wallowed	:	Move the victim to fresh air. If unconscious, place in recovery po advice. Keep respiratory tract clear. Do not induce vomiting without med Never give anything by mouth to an	ical advice.
and	st important symptoms d effects, both acute and ayed	:	Inhalation may provoke the following Headache Nausea Causes skin irritation.	g symptoms:
No	tes to physician	:	Treat symptomatically.	

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	:	High volume water jet
Hazardous combustion products	:	Carbon oxides Nitrogen oxides (NOx) Metal oxides
Further information	:	Standard procedure for chemical fires.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. Exposure to decomposition products may be a hazard to health.





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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Evacuate personnel to safe areas. Ensure adequate ventilation. Do not breathe vapours, aerosols. Refer to protective measures listed in sections 7 and 8.
Environmental precautions	:	Try to prevent the material from entering drains or water courses. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	:	Pick up and transfer to properly labelled containers.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	:	Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Wash hands and face before breaks and immediately after handling the product. Do not get in eyes or mouth or on skin. Do not get on skin or clothing. Do not ingest. Do not repack. 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. Keep in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with the particular national regulations. Keep in properly labelled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type	Control	Basis
		(Form of	parameters /	
		exposure)	Permissible	





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					concentration		
White	e mineral oil (petroleur	n)	8042-47-5	TWA (Inhalable particulate matter)	5 mg/m3	ACGIH (2013-03-01)	
				TWA (Mist)	5 mg/m3	OSHA Z-1 (2018-03-15	
				TWA (Mist)	5 mg/m3	NIOSH REL (2019-10-04)	
				ST (Mist)	10 mg/m3	NIOSH REL	

				(2019-10-04)
		ST (Mist)	10 mg/m3	NIOSH REL (2019-10-04)
Distillates (petroleum), solvent- dewaxed heavy paraffinic	64742-65-0	TWA (Inhalable particulate matter)	5 mg/m3	ACGIH (2013-03-01)
		TWA (Mist)	5 mg/m3	OSHA Z-1 (2018-03-15)
		TWA (Mist)	5 mg/m3	NIOSH REL (2019-10-04)
		ST (Mist)	10 mg/m3	NIOSH REL (2019-10-04)

Engineering measures	:	Handle only in a place equipped with local exhaust (or other
		appropriate exhaust).

Personal protective equipment

:	Not required; except in case of aerosol formation.	
:	Filter type P	
:	Nitrile rubber > 10 min Class 1	
:	For prolonged or repeated contact use protective gloves. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.	
:	Safety glasses	
:	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.	
:	The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.	
:	Wash face, hands and any exposed skin thoroughly after	



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			handling.	
SECTION	9. PHYSICAL AND CH	IEMI	CAL PROPERTIES	
Арре	arance	:	paste	
Colou	ır	:	beige	
Odou	ır	:	characteristic	
Odou	ır Threshold	:	No data available	
рН		:	Not applicable substance/mixture is non-soluble	(in water)
Meltir	ng point/range	:	No data available	
Boilin	ng point/boiling range	:	No data available	
Flash	n point	:	Not applicable	
Evap	oration rate	:	No data available	
Flam	mability (solid, gas)	:	No data available	
			Combustible Solids	
Flam	mability (liquids)	:	Sustains combustion	
Self-i	gnition	:	No data available	
	er explosion limit / Uppe nability limit	r:	No data available	
	er explosion limit / Lowe nability limit	r:	No data available	
Vapo	our pressure	:	< 0.001 hPa (68 °F / 20 °C)	
Relat	ive vapour density	:	No data available	
Relat	ive density	:	0.99 (68 °F / 20 °C) Reference substance: Water	





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			The value is calculated	
Bulk c	lensity	:	Not applicable	
	ility(ies) ater solubility	:	insoluble	
So	lubility in other solvents	s :	No data available	
	on coefficient: n- ol/water	:	No data available	
Auto-i	gnition temperature	:	No data available	
Decor	mposition temperature	:	No data available	
Viscos Vis	sity scosity, dynamic	:	No data available	
Vis	scosity, kinematic	:	Not applicable	
Explo	sive properties	:	Not explosive	
	ring properties	:	No data available Not applicable	
Partic	le size	:	Not applicable	

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No hazards to be specially mentioned.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	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.





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SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity Product:

Product:		
Acute oral toxicity	:	Remarks: Harmful if swallowed.
		Acute toxicity estimate: 1,607 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Remarks: Harmful by inhalation.
		Acute toxicity estimate: 4.82 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method
Acute dermal toxicity	:	Symptoms: Redness, Local irritation
<u>Components:</u>		
Reaction mixture of hydrog hydroxide:	gena	ted tallow alkyl amines with sebacic acid and barium
Acute oral toxicity	:	LD50 (Rat): Assessment: The component/mixture is moderately toxic after single ingestion.
Acute inhalation toxicity	:	Assessment: The component/mixture is moderately toxic after short term inhalation.
Acute dermal toxicity	:	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 402 GLP: yes Assessment: The substance or mixture has no acute dermal toxicity
Dec-1-ene, homopolymer, l	hydr	ogenated:
Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 423 GLP: yes
Acute inhalation toxicity	:	LC50 (Rat): > 5.2 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 GLP: yes Assessment: The substance or mixture has no acute inhalation toxicity
A quite dermel texicity		

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 402





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		Assessment: The substance or n toxicity	nixture has no acute derm
		loxicity	
Skin	corrosion/irritation		
Produ	uct:		
Rema	arks	: Irritating to skin.	
Com	oonents:		
	tion mixture of hyd oxide:	rogenated tallow alkyl amines with seb	acic acid and barium
Speci		: Rabbit	
	ssment	: No skin irritation	
Metho		: OECD Test Guideline 404	
Resul GLP	I	: No skin irritation : yes	
OLI		. 900	
	l-ene, homopolyme		
Speci		: Rabbit	
	ssment	: No skin irritation	
Metho Resul		: OECD Test Guideline 404 : No skin irritation	
GLP	it.	: yes	
Serio	us eye damage/eye	irritation	
<u>Produ</u>	uct:		
Rema	arks	: This information is not available.	
<u>Com</u>	oonents:		
	tion mixture of hyd oxide:	rogenated tallow alkyl amines with seb	acic acid and barium
Speci		: Rabbit	
Resul		: No eye irritation	
	ssment	: No eye irritation	
Metho		: OECD Test Guideline 405	
GLP		: yes	
Dec-1	l-ene, homopolyme	r, hydrogenated:	
Speci	es	: Rabbit	
Resul		: No eye irritation	
	ssment	: No eye irritation	
Metho	bd	: OECD Test Guideline 405	
GLP		: yes	





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Resp	iratory or skin sens	itisatio	n	
Prod	uct:			
Rema		:	This information is not available.	
Com	ponents:			
	tion mixture of hyd oxide:	rogena	ted tallow alkyl amines with seba	acic acid and barium
Test		:	Maximisation Test	
Speci		:	Guinea pig	
	ssment	:	Does not cause skin sensitisation	
Methe	od	:	OECD Test Guideline 406	
Resu	lt	:	Does not cause skin sensitisation	
GLP		:	yes	
Dec-	1-ene, homopolyme	r, hydr	ogenated:	
Test			- Maximisation Test	
Speci			Guinea pig	
	ssment		Does not cause skin sensitisation	_
Metho			OECD Test Guideline 406	-
Resu			Does not cause skin sensitisation	
GLP		:	yes	
Germ	n cell mutagenicity			
Prod	uct:			
Geno	toxicity in vitro	:	Remarks: No data available	
Geno	toxicity in vivo	:	Remarks: No data available	
Com	ponents:			
		rogena	ted tallow alkyl amines with seba	acic acid and barium
hydro	oxide:	-	-	
Geno	toxicity in vitro	:	Test Type: Ames test	
	,		Method: OECD Test Guideline 47	1
			Result: negative	
			GLP: yes	
Dec-	1-ene, homopolyme	r, hydr	ogenated:	
	toxicity in vitro		Test Type: Ames test	
		•	Method: Mutagenicity (Escherichi	a coli - reverse mutation
			assay)	
			Result: negative	
			GLP: yes	
Germ	cell mutagenicity -	:	Animal testing did not show any n	nutagenic effects.
Asse	ssment			
				a brand of



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Carci	nogenicity		
Prod	uct:		
Rema	arks	: No data available	
<u>Com</u>	ponents:		
Dec-1	I-ene, homopolyme	r, hydrogenated:	
	nogenicity - ssment	: Not classifiable as a huma	an carcinogen.
IARC		nent of this product present at leve as probable, possible or confirmed	els greater than or equal to 0.1% is human carcinogen by IARC.
IARC OSH/	A No comp	ment of this product present at leve s list of regulated carcinogens.	els greater than or equal to 0.1% is
NTP		nent of this product present at leve as a known or anticipated carcinog	els greater than or equal to 0.1% is en by NTP.
Repr	oductive toxicity		
Prod	uct:		
Effect	ts on fertility	: Remarks: No data availab	le
	ts on foetal opment	: Remarks: No data availab	le
<u>Com</u>	ponents:		
Dec-1	I-ene, homopolyme	r, hydrogenated:	
	oductive toxicity - ssment	: - Fertility -	
A556:	SSITIETIL	No toxicity to reproduction - Teratogenicity -	
		Did not show teratogenic e	effects in animal experiments.
STOT	「- single exposure		
Prod	uct:		
Rema	arks	: No data available	
STOT	- repeated exposu	re	
Prod	uct:		
Rema	arks	: No data available	
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Repeated dose toxicity

Product:

Remarks

: This information is not available.

Components:

Reaction mixture of hydrogenated tallow alkyl amines with sebacic acid and barium hydroxide:

NOAEL : 150 mg/kg

Aspiration toxicity

<u>Product:</u> This information is not available.

Components:

Dec-1-ene, homopolymer, hydrogenated:

May be fatal if swallowed and enters airways.

Further information

Product:

Remarks

: Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity		
<u>Product:</u> Toxicity to fish	:	Remarks: No data available
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





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Components:

Reaction mixture of hydrogenated tallow alkyl amines with sebacic acid and barium hydroxide:				
Toxicity to fish	 LC50 (Danio rerio (zebra fish)): > 100 mg/l Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203 GLP: yes 			
Toxicity to daphnia and other aquatic invertebrates	 EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Test Type: Immobilization Method: OECD Test Guideline 202 GLP: yes 			
Toxicity to algae/aquatic plants	 ErC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l Exposure time: 72 h Test Type: Growth inhibition Method: OECD Test Guideline 201 GLP: yes 			
Toxicity to microorganisms	 EC50 (Bacteria): > 1,000 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209 GLP: yes 			
Dec-1-ene, homopolymer, hy	drogenated:			
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 aquatic invertebrates	 EC50 (Daphnia magna (Water flea)): > 1,000 mg/l Exposure time: 48 h Test Type: Immobilization Method: OECD Test Guideline 202 GLP: yes 			
Toxicity to algae/aquatic plants	: ErC50 (Scenedesmus capricornutum (fresh water algae)): > 1,000 mg/l Exposure time: 72 h a brand of			





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			Test Type: Growth inhibition Method: OECD Test Guideline 201 GLP: yes	
aquati	ty to daphnia and other ic invertebrates nic toxicity)	:	NOEC (Daphnia magna (Water flea)) Exposure time: 21 d): 125 mg/l
Persi	stence and degradabi	lity		
<u>Prod</u> u	uct:			
-	gradability	:	Remarks: No data available	
	co-chemical /ability	:	Remarks: No data available	
Comp	oonents:			
React hydro		jenat	ed tallow alkyl amines with sebacio	c acid and barium
Biode	gradability	:	Primary biodegradation Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradation: 16.8 % Exposure time: 28 d Method: OECD Test Guideline 301F GLP: yes	
Dec-1	-ene, homopolymer, h	nydro	ogenated:	
Biode	gradability	:	Primary biodegradation Inoculum: activated sludge Result: Not readily biodegradable. Method: OECD Test Guideline 301B	
Bioac	cumulative potential			
<u>Produ</u>				
Rinac	cumulation	:	Remarks: This mixture contains no s be persistent, bioaccumulating and to	





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Com	ponents:			
	tion mixture of hydrog oxide:	gena	ed tallow alkyl amines with seba	icic acid and barium
	ion coefficient: n- ol/water	:	log Pow: 0.9 - 18	
Dec-1	1-ene, homopolymer, h	nydro	ogenated:	
	ion coefficient: n- ol/water	:	log Pow: > 6.5 (68 °F / 20 °C)	
Mobi	lity in soil			
Prod	uct:			
Mobil	lity	:	Remarks: No data available	
	bution among onmental compartments	:	Remarks: No data available	
Othe	r adverse effects			
Prod	uct:			
Ozon	e-Depletion Potential	:	Regulation: 40 CFR Protection of Protection of Stratospheric Ozone Substances Remarks: This product neither cor manufactured with a Class I or Cla U.S. Clean Air Act Section 602 (40 B).	- CAA Section 602 Class ntains, nor was ass II ODS as defined by t
	ional ecological nation	:	No information on ecology is avail	able.
<u>Com</u>	ponents:			
Dec-1	1-ene, homopolymer, h	nydro	ogenated:	
	Its of PBT and vPvB ssment	:	Non-classified PBT substance Nor	n-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.





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Conta	aminated packaging	: Packaging that is not properly em the unused product. Dispose of waste product or used local regulations.	

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

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION

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	Acute toxicity (any route of exposure)	
SARA 313	The following components are subject to established by SARA Title III, Section 3	
	Reaction mixture 1282612-27- of hydrogenated 4 tallow alkyl amines with sebacic acid and barium hydroxide	>= 30 - < 50 %





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		barium bis(dinonylnapht halenesulphonat e)	25619-56-1	>= 0.1 - < 1 %

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).

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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

ACGIH NIOSH REL OSHA Z-1	:	USA. ACGIH Threshold Limit Values (TLV) USA. NIOSH Recommended Exposure Limits USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
ACGIH / TWA NIOSH REL / TWA		8-hour, time-weighted average Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / ST	:	STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
OSHA Z-1 / TWA	:	8-hour time weighted average

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% 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





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concentration; ICAO - International Civil 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; TECI - Thailand Existing Chemicals 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

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