

Version 2.0	Revision Date: 08/04/2022	Date of last issue: 10/18/2021 Date of first issue: 10/18/2021	Print Date: 08/05/2022
SECTION	1. IDENTIFICATION		
Produ	uct name	: SYNGEAR PG-680	
Article-No.		: 340167	
Manu	afacturer or supplier's	details	
Comp	bany 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	
	il address of person onsible for the SDS	: mcm@us.kluber.com Material Compliance Management	
Emer ber	gency telephone num-	: +1-517-545-7070 NCEC	
Reco	mmended use of the	chemical and restrictions on use	
Reco	mmended use	: Lubricating oil	
Restr	ictions on use	: Restricted to professional users.	

SECTION 2. HAZARDS IDENTIFICATION

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

Reproductive toxicity	: Category 2	
GHS label elements Hazard pictograms		
Signal word	: Warning	
Hazard statements	: Suspected of damaging fertility.	
	a brand of	





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Preca	autionary statements	Prevention:	
		Obtain special instructions before Do not handle until all safety prece understood. Wear protective gloves/ protective protection.	autions have been read and
		Response:	
		IF exposed or concerned: Get me	dical advice/ attention.
		Storage:	
		Store locked up.	
		Disposal:	
		Dispose of contents/ container to plant.	an approved waste disposa
Othe	r hazards		
None	known.		

Substance / Mixture	:	Mixture

Chemical nature : polyalkylene glycol oil

Components

Chemical name	CAS-No.	Concentration (% w/w)
Benzenamine, N-phenyl-, reaction	68411-46-1	Trade secret (>= 0.1 - < 1)
products with 2,4,4-trimethylpentene		

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

If inhaled	 Obtain medical attention. 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.	





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		In case of contact, immediately Wash clothing before reuse. Thoroughly clean shoes before	
In ca	se of eye contact	: Rinse immediately with plenty o for at least 10 minutes. If eye irritation persists, consult	
If swallowed		 Move the victim to fresh air. If unconscious, place in recover advice. Keep respiratory tract clear. Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to 	
	t important symptoms effects, both acute and yed	: No information available. None known.	
Note	s to physician	: No information available.	

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or car- bon dioxide.
Unsuitable extinguishing media	:	High volume water jet
Hazardous combustion prod- ucts	:	Carbon oxides
Further information	:	Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- :	:	Evacuate personnel to safe areas.
tive equipment and emer-		Use personal protective equipment.
gency procedures		Ensure adequate ventilation.
		Refer to protective measures listed in sections 7 and 8.





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Envi	ronmental precautions	:	Do not allow contact with soil, su Prevent further leakage or spillag If the product contaminates rivers respective authorities.	je if safe to do so.
	nods and materials for ainment and cleaning up	: ס	Contain spillage, and then collect sorbent material, (e.g. sand, eart miculite) and place in container for / national regulations (see section	h, diatomaceous earth, ver- or disposal according to local

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 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 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. 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

Contains no substances with occupational exposure limit values.

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

Personal protective equipment

Respiratory protection :	Not required; except in case of aerosol formation.
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Filter type : Filter type A-P





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Ma Br	l protection aterial reak through time rotective index	:	Nitrile rubber > 10 min Class 1	
Re	emarks	:	Wear protective gloves. The break amongst other things on the mate type of glove and therefore has to case.	rial, the thickness and the
Eye p	protection	:	Safety glasses with side-shields	
Skin	and body protection	:	Choose body protection in relation tration and amount of dangerous s cific work-place.	
Prote	ective measures	:	The type of protective equipment in to the concentration and amount of at the specific workplace.	
Hygie	ene measures	:	Wash face, hands and any expose handling.	ed skin thoroughly after

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	colourless
Odour	:	characteristic
Odour Threshold	:	No data available
рН	:	Not applicable
Melting point/range	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	525 °F / 274 °C
		Method: ASTM D 92





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	Evapor	ation rate	:	No data available	
	Flamm	ability (solid, gas)	:	Not applicable	
	Self-igr	nition	:	No data available	
		explosion limit / Upper ability limit	:	No data available	
		explosion limit / Lower ability limit	:	No data available	
	Vapour	pressure	:	< 0.001 hPa (68 °F / 20 °C)	
	Relativ	e vapour density	:	No data available	
	Relativ	e density	:	1.045 (68 °F / 20 °C) Reference substance: Water The value is calculated	
	Bulk de	ensity	:	No data available	
	Solubili Wat	ity(ies) ter solubility	:	insoluble	
	Solu	ubility in other solvents	3 :	No data available	
	Partitio octanol	n coefficient: n- I/water	:	No data available	
	Auto-ig	nition temperature	:	No data available	
	Decom	position temperature	:	No data available	
	Viscosi Visc	ty cosity, dynamic	:	No data available	
	Visc	cosity, kinematic	:	650 mm2/s (104 °F / 40 °C)	
	Explosi	ive properties	:	Not explosive	
	Oxidiziı	ng properties	:	No data available	
	Sublim	ation point	:	No data available	

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No hazards to be specially mentioned.	
Chemical stability	: Stable under normal conditions.	





Result

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Pos tion:	sibility of hazardous rea s	ac- :	No dangerous reaction known u	inder conditions of normal use.
Con	ditions to avoid	:	No conditions to be specially me	entioned.
Inco	mpatible materials	:	No materials to be especially m	entioned.
	ardous decomposition ducts	:	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 :	Remarks: This information is not available.	
Acute dermal toxicity :	Remarks: This information is not available.	
Components:		
Benzenamine, N-phenyl-, read	on products with 2,4,4-trimethylpentene:	
Acute oral toxicity :	LD50 (Rat): > 5,000 mg/kg	
	Method: OECD Test Guideline 401	
Acute dermal toxicity :	LD50 (Rat): > 2,000 mg/kg	
	Method: OECD Test Guideline 402	
	Assessment: The substance or mixture has no acute der toxicity	mai
Skin corrosion/irritation		
Product:		
Remarks :	This information is not available.	
<u>Components:</u>		
Benzenamine, N-phenyl-, read	on products with 2,4,4-trimethylpentene:	
Species :	Rabbit	
Assessment :	No skin irritation	
Method :	OECD Test Guideline 404	



: No skin irritation



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Serious eye	e damage/eye	e irritati	on	
Product:				
Remarks		:	This information is not available.	
<u>Component</u>	<u>is:</u>			
Benzenami	ne, N-phenyl	-, reacti	on products with 2,4,4-trimethylp	pentene:
Species		:	Rabbit	
Result		:	No eye irritation	
Assessment		:	No eye irritation	
Method		:	OECD Test Guideline 405	
Respiratory	or skin sens	sitisatio	n	
Product:				
Remarks		:	This information is not available.	
<u>Component</u>	is:			
Benzenami	ne, N-phenyl	-, reacti	on products with 2,4,4-trimethylp	pentene:
Species		:	Guinea pig	
Assessment		:	Did not cause sensitisation on labor	oratory animals.
Method		:	OECD Test Guideline 406	
Result		:	Did not cause sensitisation on labo	oratory animals.
Germ cell m	nutagenicity			
Product:				
Genotoxicity	in vitro	:	Remarks: No data available	
Genotoxicity	in vivo	:	Remarks: No data available	
Carcinogen	icity			
Product:				
Remarks		:	No data available	
IARC			this product present at levels great able, possible or confirmed human	
IARC				
OSHA			this product present at levels great regulated carcinogens.	er than or equal to 0.1% i





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Repr	oductive toxicity				
Prod	uct:				
Effec	ts on fertility	:	Remarks: No data available		
Effec ment	ts on foetal develop-	:	Remarks: No data available		
<u>Com</u>	ponents:				
Benz	enamine, N-phenyl-,	react	ion products with 2,4,4-trimethylp	pentene:	
	Reproductive toxicity - As-	:	- Fertility -		
Sessi	sessment		Some evidence of adverse effects on sexual function fertility, based on animal experiments.		
Repe	eated dose toxicity				
<u>Prod</u>	uct:				
Rem	arks	:	This information is not available.		
Aspi	ration toxicity				
Prod	uct:				
This	information is not avai	lable.			
Furth	ner information				
Prod	uct:				
Rema	arks	:	Information given is based on data the toxicology of similar products.	a on the components and	

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity		
<u>Product:</u> 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



SAFETY DATA SHEET



SYNGEAR PG-680

Toxicity to microorganisms : Remarks: No data available Components: Enzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene: Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 100 mg/l Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203 Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 51 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202 Toxicity to algae/aquatic : EC50 (Desmodesmus subspicatus (green algae)): > 100 m Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 Persistence and degradability : Remarks: No data available Physico-chemical removabil- ity : Remarks: No data available Physico-chemical removabil- ity : Remarks: No data available Biodegradability : aerobic Incoulum: activated sludge Result: Not rapidly biodegradable Biodegradabili Biodegradability : aerobic Incoulum: activated sludge Result: Not rapidly biodegradable Biodegradabili Bioaccumulative potential : ? Product: Bioaccumulation : Bioaccumulation : Remarks: This mixture contains no substance considered be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered be persistent, bioaccumulating and toxic (PBT). This	rsion	Revision Date: 08/04/2022		e of last issue: e of first issue:		Print Date: 08/05/2022
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene: Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 100 mg/l Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203 Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 51 mg/l aquatic invertebrates : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l Toxicity to algae/aquatic : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l plants : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l Prosizety to algae/aquatic : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l Parsistence and degradability : Test Type: static test Method: OECD Test Guideline 201 : 100 mg/l Persistence and degradability : Remarks: No data available Physico-chemical removabil- : : Remarks: No data available Biodegradability : aerobic Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradability : aerobic Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradability :	Toxici	ity to microorganisms	:	Remarks: No	data available	
Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 100 mg/l Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203 Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 51 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202 Toxicity to algae/aquatic : EC50 (Desmodesmus subspicatus (green algae)): > 100 n Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 Persistence and degradability : EC50 (Desmodesmus subspicatus (green algae)): > 100 n Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 Persistence and degradability : Remarks: No data available Physico-chemical removabil- ity : Remarks: No data available Components: : Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene: Biodegradability : Biodegradability : : aerobic Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradability Biodegradability : : aerobic Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradable Bioaccumulative potential : : : Product: : : : Bioaccumulative potential : : : Product: :	<u>Comp</u>	oonents:				
aquatic invertebrates Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202 Toxicity to algae/aquatic : EC50 (Desmodesmus subspicatus (green algae)): > 100 n plants Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 Method: OECD Test Guideline 201 Persistence and degradability Product: Biodegradability : Remarks: No data available Physico-chemical removabil- : Remarks: No data available ity : aerobic Biodegradability : aerobic Incoulum: activated sludge Result: Not rapidly biodegradable Biodegradability : aerobic Incoulum: activated sludge Result: Not rapidly biodegradable Biodegradation: 1 % Exposure time: 28 d Method: OECD Test Guideline 301B GLP: yes GLP: yes Bioaccumulative potential Product: Bioaccumulation : Remarks: This mixture contains no substance considered be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very aband of			eact	LC50 (Danio Exposure tim Test Type: st	rerio (zebra fisł e: 96 h atic test	n)): > 100 mg/l
plants Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 Persistence and degradability Product: Biodegradability : Remarks: No data available Physico-chemical removabil- ity : Remarks: No data available Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene: Biodegradability : aerobic Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradation: 1 % Exposure time: 28 d Method: OECD Test Guideline 301B GLP: yes Bioaccumulative potential Product: Bioaccumulation Product: : Remarks: This mixture contains no substance considered be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very			· :	Exposure tim Test Type: st	e: 48 h atic test	
Product: Biodegradability : Remarks: No data available Physico-chemical removabil- ity : Remarks: No data available Components: Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene: Biodegradability : aerobic Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradabile Biodegradability : aerobic Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradabile Bioaccumulative potential Method: OECD Test Guideline 301B GLP: yes Bioaccumulation : Remarks: This mixture contains no substance considered be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very			:	Exposure tim Test Type: st	e: 72 h atic test	
Biodegradability : Remarks: No data available Physico-chemical removabil- ity : Remarks: No data available Components: : Remarks: No data available Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene: : aerobic Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradation: 1 % Exposure time: 28 d Method: OECD Test Guideline 301B GLP: yes Bioaccumulative potential : Remarks: This mixture contains no substance considered be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very	Persi	stence and degradabi	lity			
ity Components: Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene: Biodegradability : aerobic Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradation: 1 % Exposure time: 28 d Method: OECD Test Guideline 301B GLP: yes Bioaccumulative potential Product: Bioaccumulation : Remarks: This mixture contains no substance considered be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very			:	Remarks: No	data available	
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene: Biodegradability : aerobic Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradation: 1 % Exposure time: 28 d Method: OECD Test Guideline 301B GLP: yes Bioaccumulative potential Product: Bioaccumulation : Remarks: This mixture contains no substance considered be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very	•	co-chemical removabil-	:	Remarks: No	data available	
Biodegradability : aerobic Inoculum: activated sludge Result: Not rapidly biodegradable Biodegradation: 1 % Exposure time: 28 d Method: OECD Test Guideline 301B GLP: yes Bioaccumulative potential	<u>Comp</u>	<u>oonents:</u>				
Product: Bioaccumulation : Remarks: This mixture contains no substance considered be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very a brand of			eact	aerobic Inoculum: ac Result: Not ra Biodegradatic Exposure tim Method: OEC	tivated sludge apidly biodegrad on: 1 % e: 28 d	dable
Bioaccumulation : Remarks: This mixture contains no substance considered be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very	Bioad	ccumulative potential				
This mixture contains no substance considered to be very			:			
				This mixture	contains no sub	ostance considered to be very





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			persistent and very bioaccumulat	ing (vPvB).
<u>Comp</u>	oonents:			
Benze	enamine, N-phenyl-, r	eacti	ion products with 2,4,4-trimethyl	pentene:
	on coefficient: n- ol/water	:	log Pow: > 5	
Mobil	ity in soil			
<u>Produ</u>	<u>ict:</u>			
Mobili	ty	:	Remarks: No data available	
	oution among environ- al compartments	:	Remarks: No data available	
Other	adverse effects			
<u>Produ</u>	<u>uct:</u>			
Ozone	e-Depletion Potential	:	Regulation: 40 CFR Protection of tection of Stratospheric Ozone - (Substances Remarks: This product neither co tured with a Class I or Class II OI Clean Air Act Section 602 (40 CF	CAA Section 602 Class I ontains, nor was manufac- DS as defined by the U.S.
Addition mation	onal ecological infor- n	:	Harmful to aquatic life with long la	asting effects.

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.	•

SECTION 14. TRANSPORT INFORMATION

International Regulations





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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

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	:	Reproductive toxicity
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).

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





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US S	tate Regulations		
Mass	achusetts Right To	Know	
	No components	are subject to the Massachusetts Right to I	Know Act.
Penn	sylvania Right To H	(now	
	Glycols, polyethylene-polypropylene, RC 102 Glycols, polyethylene-polypropylene, RC 102		9003-11-6 9003-11-6
Main	e Chemicals of Hig	n Concern	
	Benzenamine, trimethylpenten	68411-46-1	
Verm	ont Chemicals of H	ligh Concern	
	Benzenamine, trimethylpenten	N-phenyl-, reaction products with 2,4,4- e	68411-46-1
	Triphenyl phosphate		115-86-6
	tris(methylphen	1330-78-5	
Wasł	nington Chemicals	of High Concern	
	Benzenamine, trimethylpenten	N-phenyl-, reaction products with 2,4,4- e	68411-46-1
	Triphenyl phos	115-86-6	
	tris(methylphen	1330-78-5	
New	York City Hazardou	s Substances	
	Triphenyl phosphate		115-86-6
	Distillates (petro	pleum), hydrotreated middle	64742-46-7
Calif	ornia Prop. 65		

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

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 Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - In-





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ternational 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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