# **ADDITIN RC 4256**



Version 1.0	Revision Date: 11/01/2022	SDS Number: 203000010786	Date of last issue: - Country / Language: US / EN				
SECTION	1. IDENTIFICATION						
Produ	uct name	: ADDITIN RC	: ADDITIN RC 4256				
Produ	uct code	: 0000000006	2535613				
<b>Manı</b> Comp	ufacturer or supplier's bany	: LANXESS Co Product Safe 111 RIDC Pa	orporation ty & Regulatory Affairs rk West Drive Pennsylvania 15275-1112				
Resp	onsible Department	: (800) LANXE (412) 809-10 lanxesshes@	00				
Emer	gency telephone	(703) 527-38	(800) 424-9300 or 87 (Outside U.S.A) and mention CCN12916. ergency Phone (800) 410-3063.				
Reco	mmended use of the o	chemical and restr	ctions on use				
Reco	mmended use	: Corrosion inhi	bitors				

Recommended use	:	Corrosion inh	ibitors

#### **SECTION 2. HAZARDS IDENTIFICATION**

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)				
Serious eye damage	:	Category 1		
Skin sensitization	:	Category 1		
Specific target organ toxicity - single exposure	:	Category 3 (Respiratory system)		
GHS label elements Hazard pictograms	:			
Signal Word	:	Danger		
Hazard Statements	:	May cause an allergic skin reaction. Causes serious eye damage.		
		1 / 39		
int Date: 04/25/2023				

### **ADDITIN RC 4256**



ersion .0	Revision Date: 11/01/2022	SDS Number: 203000010786	Date of last issue: - Country / Language: US / EN
		May cause resp	piratory irritation.
Preca	utionary Statements	Use only outdo Contaminated workplace.	g mist or vapors. ors or in a well-ventilated area. work clothing must not be allowed out of the e gloves/ eye protection/ face protection.
		IF INHALED: R for breathing. C well. IF IN EYES: Ri Remove contac rinsing. Immedi If skin irritation	ash with plenty of soap and water. emove person to fresh air and keep comfortable call a POISON CENTER/ doctor if you feel un- nse cautiously with water for several minutes. et lenses, if present and easy to do. Continue ately call a POISON CENTER/ doctor. or rash occurs: Get medical advice/ attention. hated clothing before reuse.
		<b>Storage:</b> Store in a well- Store locked up	ventilated place. Keep container tightly closed.
		<b>Disposal:</b> Dispose of con plant.	tents/ container to an approved waste disposal
Other	hazards		
None	known.		

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Benzenesulfonic acid, di-C10-18-alkyl	93820-57-6	>= 30 - < 50
derivs., calcium salts		
Distillates (petroleum), hydrotreated	64742-53-6	>= 10 - < 20
light naphthenic		
Distillates (petroleum), solvent-	64742-65-0	>= 10 - < 20
dewaxed heavy paraffinic		
	64742-55-8	>= 1 - < 5
light paraffinic		
(Z)-N-methyl-N-(1-oxo-9-	110-25-8	>= 1 - < 5
octadecenyl)glycine		



# **ADDITIN RC 4256**

rsion Revision Date: 11/01/2022	SDS Number: 203000010786	Date of last issue: - Country / Language: US / EN	
Lubricating oils (petrole hydrotreated neutral oil	l-based		
Paraffin waxes and Hyo waxes		-2 >= 1 - < 5	
Distillates (petroleum), refined heavy naphther		96-4 >= 1 - < 5	
Any concentration show	wn as a range is to prote	ect confidentiality or is due to batch variation.	
CTION 4. FIRST AID ME	EASURES		
General advice	Consult a p Show this s Symptoms	f dangerous area. hysician. safety data sheet to the doctor in attendance. of poisoning may appear several hours later. ve the victim unattended.	
If inhaled	Remove vict fortable for b If unconsciou attention imm Maintain ope If not breathi	us, place in recovery position and get medical mediately.	st
In case of skin contact	Remove con Continue to Get medical	th soap and water. ntaminated clothing and shoes. rinse for at least 20 minutes. attention if symptoms occur. minated clothing before reuse.	
In case of eye contact	In case of co 30 minutes. and that the Remove con rinsing.	attention immediately. ontact, flush eyes with plenty of water for at leas Use fingers to ensure that eyelids are separate eye is being irrigated. ntact lenses, if present and easy to do. Continue urns must be treated promptly by a physician.	d
If swallowed	sonnel.	n with water. ce vomiting unless directed to do by medical per attention if symptoms occur.	·-
Most important symp	toms and effects, both	acute and delayed	
Symptoms	: May cause ing, sore thr	respiratory tract irritation with symptoms of coug	gh-

# ADDITIN RC 4256



Version 1.0	Revision Date: 11/01/2022		Number: 00010786	Date of last issue: - Country / Language: US / EN
		ii S a	ng, burning and Skin: Causes irri and swelling. Dnce sensitized,	with symptoms of reddening, tearing, swell- possible permanent damage. tation with symptoms of reddening, itching, a severe allergic reaction may occur when posed to very low levels.
Effects		C	May cause an al Causes serious o May cause respi	
Protec	ction of first-aiders		o action shall be uitable training.	e taken involving any personal risk or without
Notes	to physician	: T	reat symptomati	cally.

#### SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or car- bon dioxide.
Unsuitable extinguishing media	:	None known.
Specific hazards during fire fighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion prod- ucts	:	Carbon monoxide Carbon dioxide (CO2) Metal oxides
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus for firefighting if nec- essary.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	No action shall be taken involving any personal risk or without suitable training. Put on appropriate personal protection equipment. Do not touch or walk through spilled material. Evacuate unnecessary personnel. Keep unnecessary and unprotected personnel from entering. Provide adequate ventilation. Do not breathe vapors, aerosols.
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# ADDITIN RC 4256



Version 1.0	Revision Date: 11/01/2022		0S Number: 3000010786	Date of last issue: - Country / Language: US / EN
Enviror	nmental precautions	:	Prevent further lea	om entering drains. akage or spillage if safe to do so. taminates rivers and lakes or drains inform ties.
	ds and materials for Iment and cleaning up	:	Keep in suitable, o	closed containers for disposal.
			follows. Contain spillage, s material, (e.g. san and transfer to a c national regulation Dispose of wastes Do not allow into t groundwater or in	rom spill area. to an effluent treatment plant or proceed as soak up with non-combustible absorbent ad, earth, diatomaceous earth, vermiculite) container for disposal according to local / hs (see section 13). is in an approved waste disposal facility. the sewerage system, surface waters or to the soil. sorbent material may pose the same hazard

#### SECTION 7. HANDLING AND STORAGE

Advice on safe handling :	Remove contaminated clothing and protective equipment be- fore entering eating areas. Workers should wash hands and face before eating, drinking and smoking. Put on appropriate personal protection equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Avoid inhalation, ingestion and contact with skin and eyes. Use only with adequate ventilation. Persons with a history of skin sensitization to this product should not be employed in any process in which this product is used.
Conditions for safe storage :	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep containers sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate container to avoid environmental contamina- tion. Empty containers retain residue and can be dangerous. Do not reuse container.





Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11/01/2022	203000010786	Country / Language: US / EN

#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of	Control parame- ters / Permissible	Basis
		exposure)	concentration	
Distillates (petroleum), hy-	64742-53-6	TWA (Inhal-	5 mg/m3	ACGIH
drotreated light naphthenic		able particu-	_	
		late matter)		
Distillates (petroleum), solvent-	64742-65-0	TWA (Inhal-	5 mg/m3	ACGIH
dewaxed heavy paraffinic		able particu-		
		late matter)		
Distillates (petroleum), hy-	64742-55-8	TWA (Inhal-	5 mg/m3	ACGIH
drotreated light paraffinic		able particu-		
		late matter)		
		TWA (Mist)	5 mg/m3	OSHA Z-1
Lubricating oils (petroleum),	72623-86-0	TWA (Inhal-	5 mg/m3	ACGIH
C15-30, hydrotreated neutral		able particu-		
oil-based		late matter)		
		TWA (Mist)	5 mg/m3	OSHA Z-1
Paraffin waxes and Hydrocar-	8002-74-2	TWA	2 mg/m3	ACGIH
bon waxes		(Fumes)		
Distillates (petroleum), solvent-	64741-96-4	TWA (Inhal-	5 mg/m3	ACGIH
refined heavy naphthenic		able particu-		
		late matter)		
		TWA (Mist)	5 mg/m3	OSHA Z-1
Lubricating oils (petroleum),	72623-87-1	TWA (Inhal-	5 mg/m3	ACGIH
C20-50, hydrotreated neutral		able particu-		
oil-based		late matter)		
		TWA (Mist)	5 mg/m3	OSHA Z-1

**ures** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

#### Personal protective equipment

Respiratory protection	:	No personal respiratory protective equipment normally re- quired.
		In the case of vapor formation use a respirator with an approved filter.
Hand protection Material Wearing time	:	Nitrile rubber < 60 min

# ADDITIN RC 4256



Version 1.0	Revision Date: 11/01/2022		DS Number: 3000010786	Date of last issue: - Country / Language: US / EN
Re	marks	:	with the producer tion with product of	a specific workplace should be discussed s of the protective gloves. After contamina- change the gloves immediately and dispose g to relevant national and local regulations
Eye pr	otection	:	Safety glasses wi	th side-shields
Skin a	nd body protection	:	Protective suit Impervious clothir	ng
Hygiene measures		:	chemical products lavatory and at th Appropriate techn contaminated clot Wash contaminat	ed clothing before reusing. ash stations and safety showers are close

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: liquid	
Color	: brown	
Odor	: slight, oily	
Odor Threshold	: No data available	
рН	: 3.95 Concentration: 50 g/l in TBN solvent	
Melting point/range	: No data available	
Boiling point/boiling range	: No data available	
Flash point	: 482 °F / 250 °C	
	Method: ISO 2719	
Evaporation rate	: No data available	
Self-ignition	: No data available	
	7/30	

# ADDITIN RC 4256



Versio 1.0	on	Revision Date: 11/01/2022		S Number: 000010786	Date of last issue: - Country / Language: US / EN
E	Burning	number	:	No data available	)
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	
١	√apor p	ressure	:	No data available	)
F	Relative	e density	:	No data available	)
[	Density		:	0.894 g/cm3 Method: DIN 517	57
S	Solubilit Wate	ry(ies) er solubility	:	immiscible	
	Solu	bility in other solvents	:	No data available	)
	Partition coefficient: n- octanol/water		:	No data available	
C	Decomp	position temperature	:	No data available	)
١	√iscosit Visc	y osity, dynamic	:	No data available	)
	Visc	osity, kinematic	:	> 35 mm2/s (104	°F / 40 °C)
				34.5 mm2/s (212	°F / 100 °C)
E	Explosiv	ve properties	:	No data available	)
C	Oxidizin	ig properties	:	No data available	

#### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	Stable under normal conditions.
Conditions to avoid	:	No data available
Incompatible materials	:	No specific data.
Hazardous decomposition products	:	No hazardous decomposition products are known.

# ADDITIN RC 4256



Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11/01/2022	203000010786	Country / Language: US / EN

#### SECTION 11. TOXICOLOGICAL INFORMATION

The most important known symptoms and effects are described in Section 2 and/or Section 4.

#### Acute toxicity

Not classified based on available information.

#### Product:

Acute inhalation toxicity	:	Acute toxicity estimate: 50 mg/l Exposure time: 4 h
		Test atmosphere: dust/mist Method: Calculation method

#### Components:

#### Distillates (petroleum), hydrotreated light naphthenic:

Acute oral toxicity :	LD50 (Rat, male and female): > 5,000 mg/kg Method: OECD Test Guideline 401 GLP: yes Assessment: The substance or mixture has no acute oral tox- icity Remarks: Dosage caused no mortality Test results on an analogous product
Acute inhalation toxicity :	LC50 (Rat, male and female): > 5.53 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 GLP: No information available. Assessment: The substance or mixture has no acute inhala- tion toxicity Remarks: Dosage caused no mortality Test results on an analogous product
Acute dermal toxicity :	LD50 (Rabbit, male and female): > 5,000 mg/kg Method: OECD Test Guideline 402 GLP: yes Assessment: The substance or mixture has no acute dermal toxicity Remarks: Dosage caused no mortality Test results on an analogous product
Distillates (petroleum), solvent	-dewaxed heavy paraffinic:
Acute oral toxicity :	LD50 (Rat, male and female): > 5,000 mg/kg Method: OECD Test Guideline 401 GLP: yes

Remarks: Test results on an analogous product



Version 1.0	Revision Date: 11/01/2022	SDS Number: 203000010786	Date of last issue: - Country / Language: US / EN
Acute	inhalation toxicity	GLP: yes	h
Acute	e dermal toxicity	Method: OECD T GLP: yes	ale and female): > 5,000 mg/kg est Guideline 402 sults on an analogous product
Distil	lates (petroleum), hyd	rotreated light paraffi	nic:
Acute	e oral toxicity	Method: OECD T GLP: yes	and female): > 5,000 mg/kg est Guideline 401 sults on an analogous product
Acute	e inhalation toxicity	Exposure time: 4 Test atmosphere: Method: OECD T GLP: yes Assessment: The tion toxicity	
Acute	e dermal toxicity		ale and female): > 5,000 mg/kg est Guideline 402
(Z)-N	-methyl-N-(1-oxo-9-oct	adecenvl)glycine:	
	e oral toxicity	: LD50 (Rat, male	and female): > 5,000 mg/kg est Guideline 420
Acute	inhalation toxicity	Exposure time: 4 Test atmosphere:	
Lubri	cating oils (petroleum	), C15-30, hydrotreate	ed neutral oil-based:
	e oral toxicity	: LD50 (Rat, male a Method: OECD T GLP: yes Assessment: The icity Remarks: Dosage	and female): > 5,000 mg/kg est Guideline 401 e substance or mixture has no acute oral tox- e caused no mortality n analogous product



Version 1.0	Revision Date: 11/01/2022	SDS Number: 203000010786	Date of last issue: - Country / Language: US / EN
Acute	e inhalation toxicity	Exposure time Test atmosphe Method: OECE GLP: No inforr Assessment: T tion toxicity Remarks: Dos	
Acute	e dermal toxicity	Method: OECE GLP: yes Assessment: T toxicity Remarks: Dos	male and female): > 5,000 mg/kg D Test Guideline 402 The substance or mixture has no acute dermal age caused no mortality an analogous product
Para	ffin waxes and Hydroc	arbon waxes:	
Acute	e oral toxicity	Method: OECE GLP: No inform	le and female): > 5,000 mg/kg D Test Guideline 401 nation available. t results on an analogous product
Acute	e dermal toxicity	Method: OECE GLP: yes Assessment: T toxicity Remarks: Dos	le and female): > 2,000 mg/kg D Test Guideline 402 The substance or mixture has no acute dermal age caused no mortality an analogous product
Disti	llates (petroleum), sol	vent-refined heavy	naphthenic:
	e oral toxicity	: LD50 (Rat, ma Method: OECE GLP: yes Assessment: T icity Remarks: Dos	le and female): > 5,000 mg/kg D Test Guideline 401 The substance or mixture has no acute oral tox- age caused no mortality an analogous product
Acute	e inhalation toxicity	Exposure time Test atmosphe Method: OECE GLP: No inform	



		Remarks: Do	sage caused no mortality
			on an analogous product
Acute of	dermal toxicity	Method: OEC	t, male and female): > 5,000 mg/kg CD Test Guideline 402
		GLP: yes Assessment: toxicity	The substance or mixture has no acute derma
		Remarks: Do	sage caused no mortality on an analogous product
Skin o	orrosion/irritation		
	ssified based on ava	ailable information.	
	onents:		
		ydrotreated light na	phthenic:
Specie		: Rabbit	
Method			Guideline 404
Result		: No skin irritat	lon
GLP	l.o	: yes	n en enclaració product
Remar	KS	. Test fesuits (	on an analogous product
Distilla	ates (petroleum), se	olvent-dewaxed hea	vy paraffinic:
Specie		: Rabbit	
Method	t	: Draize Test	
Result		: No skin irritat	ion
GLP		: yes	
Remar	ks	: Test results of	on an analogous product
Distilla	ates (petroleum), h	ydrotreated light pa	raffinic:
Specie	S	: Rabbit	
Methoo	b	: Draize Test	
Result		: No skin irritat	ion
GLP		: yes	
Remar	ks	: Test results of	on an analogous product
(Z)-N-r	nethyl-N-(1-oxo-9-o	octadecenyl)glycine	:
Specie		: Rabbit	
Method			Guideline 404
Result		: Irritating to sl	
Lubric	ating oils (petrole)	ım), C15-30. hvdrotr	eated neutral oil-based:
Specie	•	: Rabbit	
Method			Guideline 404
		<ul> <li>No skin irritat</li> </ul>	100
Result		: No skin irritat : yes	ion



/ersion .0	Revision Date: 11/01/2022	SDS Number: 203000010786	Date of last issue: - Country / Language: US / El
Rema	urks	: Test results on	an analogous product
Paraf	fin waxes and Hydro	ocarbon waxes:	
Speci	-	: Rabbit	
Metho		: OECD Test Gu	uideline 404
Resul		: No skin irritatio	
GLP		: yes	
Rema	arks		an analogous product
Distil	lates (petroleum), so	olvent-refined heavy	naphthenic:
Speci	es	: Rabbit	
Metho		: OECD Test Gu	uideline 404
Resul	t	: No skin irritatio	n
GLP		: yes	
Rema	arks	: Test results on	an analogous product
Serio	us eye damage/eye	irritation	
Cause	es serious eye damag	je.	
<u>Comp</u>	oonents:		
Distil	lates (petroleum), hy	drotreated light nap	hthenic:
Speci		: Rabbit	
Resul		: No eye irritatio	
Metho	bd	: OECD Test Gu	uideline 405
GLP		: yes	
Rema	arks	: Test results on	an analogous product
Distil	lates (petroleum), so	olvent-dewaxed heav	y paraffinic:
Speci	es	: Rabbit	
Resul		: No eye irritatio	
Metho	bd	: OECD Test Gu	uideline 405
GLP		: yes	
Rema	arks	: Test results on	an analogous product
Distil	lates (petroleum), hy	drotreated light para	affinic:
Speci	es	: Rabbit	
Resul	t	: No eye irritatio	
Metho	bd	: OECD Test Gu	uideline 405
GLP		: yes	
Rema	arks	: Test results on	an analogous product
(Z)-N-	-methyl-N-(1-oxo-9-c	octadecenyl)glycine:	
Speci	<b>,</b>	: Rabbit	
			damage to eyes.
Resul			

# ADDITIN RC 4256



Version 1.0	Revision Date: 11/01/2022	SDS Number: 203000010786	Date of last issue: - Country / Language: US / EN
	•		ated neutral oil-based:
Spec Resu Meth GLP Rema	lt od	: Rabbit : No eye irritatio : OECD Test Gu : yes : Test results on	
Para	ffin waxes and Hydr	ocarbon waxes:	
Spec Resu Meth GLP Rema	ies It od	: Rabbit : No eye irritatio : OECD Test Gu : No information	uideline 405
Disti	llates (petroleum), s	olvent-refined heavy	naphthenic:
Spec Resu Meth GLP Rema	lt od	: Rabbit : No eye irritatio : OECD Test Gu : yes : Test results on	
Resp	piratory or skin sens	itization	
-	sensitization cause an allergic skin	reaction.	
-	<b>iratory sensitizatio</b> n lassified based on av		
Com	ponents:		
Benz	enesulfonic acid, di	-C10-18-alkyl derivs.,	calcium salts:
Resu	lt	: The product is	a skin sensitiser, sub-category 1B.
Disti	llates (petroleum). h	ydrotreated light nap	hthenic:
Test	Type es of exposure	: Buehler Test : Skin contact : Guinea pig	

Routes of exposure:Skin contactSpecies:Guinea pigMethod:OECD Test Guideline 406Result:Did not cause sensitization on laboratory animals.GLP:yes

#### Distillates (petroleum), solvent-dewaxed heavy paraffinic:

Test Type	:	Buehler Test
Routes of exposure	:	Skin contact
Species	:	Guinea pig



Version 1.0	Revision Date: 11/01/2022	SDS Number:Date of last issue: -203000010786Country / Language: US / EN
Metho	od	: OECD Test Guideline 406
Resu	lt	: Did not cause sensitization on laboratory animals.
GLP		: yes
Rema	arks	: Test results on an analogous product
Distil	llates (petroleum), h	ydrotreated light paraffinic:
Test	Tvpe	: Buehler Test
	es of exposure	: Skin contact
Speci		: Guinea pig
Metho	od	: OECD Test Guideline 406
Resu	lt	: Did not cause sensitization on laboratory animals.
GLP		: yes
Rema	arks	: Test results on an analogous product
(Z)-N	-methyl-N-(1-oxo-9-o	octadecenyl)glycine:
Route	es of exposure	: Dermal
Speci		: Guinea pig
Metho	od	: OECD Test Guideline 406
Resu	lt	: Does not cause skin sensitization.
Lubri	icating oils (petroleu	m), C15-30, hydrotreated neutral oil-based:
Test		: Buehler Test
	es of exposure	: Skin contact
Speci		: Guinea pig
Metho		: OECD Test Guideline 406
Resu	lt	: Did not cause sensitization on laboratory animals.
GLP		: yes
Rema	arks	: Test results on an analogous product
Paraf	ffin waxes and Hydro	ocarbon waxes:
Test	-	: Maximization Test
	es of exposure	: Skin contact
Speci	•	: Guinea pig
Metho		: OECD Test Guideline 406
Resu	lt	: Did not cause sensitization on laboratory animals.
GLP		: yes
Rema	arks	: Test results on an analogous product
Distil	llates (petroleum), se	olvent-refined heavy naphthenic:
Test		: Buehler Test
	es of exposure	: Skin contact
Speci		: Guinea pig
Metho		: OECD Test Guideline 406
Resu		: Did not cause sensitization on laboratory animals.
GLP		: yes
Rema	arks	: Test results on an analogous product
		15 / 39



ersion )	Revision Date: 11/01/2022	SDS Number: 203000010786	Date of last issue: - Country / Language: US / EN
	<b>a cell mutagenicity</b> lassified based on ava	ailable information.	
Com	ponents:		
Distil	lates (petroleum), hy	vdrotreated light napl	nthenic:
Geno	toxicity in vitro	Method: OECD Result: equivoo GLP: No inform	A98 ation: with and without metabolic activation Test Guideline 471 cal nation available. mation given is based on data obtained from
		Test system: C Metabolic activ Method: OECD Result: negativ GLP: no	mation given is based on data obtained from
		Test system: m Metabolic activ Method: OECD Result: equivoo GLP: yes	mation given is based on data obtained from
Geno	toxicity in vivo	Application Ro Method: OECD Result: negativ GLP: No inform	e (male and female) ute: Intraperitoneal ) Test Guideline 474
Distil	lates (petroleum), so	olvent-dewaxed heavy	v paraffinic:
	toxicity in vitro	: Test Type: Am Test system: T Metabolic activ Method: OECD Result: negativ GLP: No inform	es test A98 ation: with metabolic activation 9 Test Guideline 471



Version 1.0	Revision Date: 11/01/2022	SDS Number: 203000010786	Date of last issue: - Country / Language: US / EN
		Test system: C Metabolic activ Method: OECE Result: negativ GLP: no	romosome aberration test in vitro Chinese hamster ovary cells vation: with and without metabolic activation O Test Guideline 473 ve
		Test system: n Metabolic activ Method: OECE Result: negativ GLP: yes	ritro mammalian cell gene mutation test house lymphoma cells ration: with and without metabolic activation D Test Guideline 476 re results on an analogous product
		Test system: n Metabolic activ Method: OECE Result: positive GLP: yes	vitro mammalian cell gene mutation test nouse lymphoma cells vation: with and without metabolic activation O Test Guideline 476 e results on an analogous product
Geno	toxicity in vivo	Cell type: Bone Application Ro Method: OECE Result: negativ GLP: No inform	e (male and female) e marrow ute: Intraperitoneal ) Test Guideline 474
Distil	lates (petroleum) h	ydrotreated light para	affinic:
		: Test Type: Am Test system: T Metabolic activ Method: OECE Result: Conflic	es test
		Test system: C Metabolic activ Method: OECE Result: negativ GLP: no	romosome aberration test in vitro Chinese hamster ovary cells vation: with and without metabolic activation O Test Guideline 473 ve



Version 1.0	Revision Date: 11/01/2022	SDS Number: 203000010786	Date of last issue: - Country / Language: US / EN
		Test system: m Metabolic activ Method: OECD Result: negativ GLP: yes	itro mammalian cell gene mutation test louse lymphoma cells ation: with and without metabolic activation Test Guideline 476 e results on an analogous product
Geno	otoxicity in vivo	Application Rou Method: OECD Result: negativ GLP: No inform	e (male and female) ute: Intraperitoneal 9 Test Guideline 474
(Z)-N	-methyl-N-(1-oxo-9-o	octadecenyl)glycine:	
• •	otoxicity in vitro	: Test system: M Metabolic activ	lammalian-Animal ation: with and without metabolic activation Test Guideline 476 e
			ation: with and without metabolic activation Test Guideline 471
		Metabolic activ	lammalian-Animal ation: with and without metabolic activation Test Guideline 473 e
Lubri	icating oils (petroleu	m), C15-30, hydrotrea	ated neutral oil-based:
		: Test Type: Ame Test system: T Metabolic activ Method: OECD Result: equivor GLP: No inform	es test A98 ation: with and without metabolic activation Test Guideline 471 cal nation available. mation given is based on data obtained from
		Test system: C Metabolic active Method: OECD Result: negative GLP: no	omosome aberration test in vitro hinese hamster ovary cells ation: with and without metabolic activation Test Guideline 473 e mation given is based on data obtained from



Versio 1.0	n Revision Date: 11/01/2022	SDS Number: 203000010786	Date of last issue: - Country / Language: US / EN
		similar substance	PS.
		Test system: mou Metabolic activati Method: OECD T Result: equivocal GLP: yes	ation given is based on data obtained from
G	enotoxicity in vivo	Application Route Method: OECD T Result: negative GLP: No informat	(male and female) e: Intraperitoneal est Guideline 474
Pa	araffin waxes and Hydroca	irbon waxes:	
G	enotoxicity in vitro	Metabolic activati	test monella typhimurium on: with and without metabolic activation est Guideline 471
		Test system: Chin Metabolic activati Method: OECD T Result: negative GLP: yes	nosome aberration test in vitro nese hamster ovary cells ion: with and without metabolic activation rest Guideline 473
G	enotoxicity in vivo	Cell type: Bone m Application Route Method: OECD T Result: negative GLP: No informat	(male and female) harrow e: Intraperitoneal fest Guideline 474

### ADDITIN RC 4256



Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11/01/2022	203000010786	
1.0	11/01/2022	203000010766	Country / Language: US / EN

#### Distillates (petroleum), solvent-refined heavy naphthenic:

Genotoxicity in vitro	<ul> <li>Test Type: Ames test Test system: TA98 Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: equivocal GLP: No information available. Remarks: Information given is based on data obtained from similar substances.</li> <li>Test Type: Chromosome aberration test in vitro Test system: Chinese hamster ovary cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 473 Result: negative GLP: no</li> </ul>
	Remarks: Information given is based on data obtained from similar substances.
	Test Type: In vitro mammalian cell gene mutation test Test system: mouse lymphoma cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: equivocal GLP: yes Remarks: Information given is based on data obtained from
Genotoxicity in vivo	similar substances. Test Type: Micronucleus test Species: Mouse (male and female)
	Application Route: Intraperitoneal Method: OECD Test Guideline 474 Result: negative GLP: No information available. Remarks: Test results on an analogous product
Carcinogenicity	

Not classified based on available information.

#### Components:

#### Distillates (petroleum), hydrotreated light naphthenic:

Carcinogenicity - Assess-	:	Classified based on DMSO extract content < 3% (Regulation
ment		(EC) 1272/2008, Annex VI, Part 3, Note L)

#### Distillates (petroleum), solvent-dewaxed heavy paraffinic:

Species	: Mouse, female	
Application Route	: Dermal	



rsion	Revision Date: 11/01/2022	SDS Number: 203000010786	Date of last issue: - Country / Language: US / EN	
Expos	sure time	: 18 month(s)		
Method		: OECD Test Gu	iideline 451	
Resul		: negative		
GLP		: No information	available	
Rema	ırks	: Test results on an analogous product		
Specie	es	: Mouse, male		
Applic	ation Route	: Dermal		
Expos	sure time	: 24 month(s)		
Metho	bd	: OECD Test Gu	iideline 453	
Resul	t	: positive		
GLP		: No information	available.	
Rema	ırks	: Test results on	an analogous product	
Carcir ment	nogenicity - Assess-		ed on DMSO extract content < 3% (Regulation 8, Annex VI, Part 3, Note L)	
Distill	lates (petroleum), hy	drotreated light para	ffinic:	
Specie	es	: Mouse, female		
	ation Route	: Dermal		
	sure time	: 78 weeks		
Metho		: OECD Test Gu	ideline 451	
Resul		: negative		
GLP		: No information	available	
Rema	irks		an analogous product	
Carcir ment	nogenicity - Assess-		ed on DMSO extract content < 3% (Regulation 8, Annex VI, Part 3, Note L)	
Lubri	cating oils (petroleur	n), C15-30, hydrotre	ated neutral oil-based:	
	nogenicity - Assess-		ed on DMSO extract content < 3% (Regulation	
ment	logomony record		8, Annex VI, Part 3, Note L)	
Paraf	fin waxes and Hydro	carbon wayes.		
	-		fomala	
Craci	es ation Route	: Rat, male and		
Specie	AUOU KOUIE			
Applic		· 2 Veere		
Applic Expos	sure time	: 2 Years	du weight	
Applic Expos Dose	sure time	: 5700 mg/kg bo		
Applic Expos Dose NOAE	sure time EL	: 5700 mg/kg bo : >= 5,700 mg/kg	g body weight	
Applic Expos Dose NOAE Metho	sure time EL od	: 5700 mg/kg bo : >= 5,700 mg/kg : OECD Test Gu	g body weight	
Applic Expose Dose NOAE Metho Result	sure time EL od	: 5700 mg/kg bo : >= 5,700 mg/kg : OECD Test Gu : negative	g body weight	
Applic Expose Dose NOAE Metho Result GLP	sure time EL od t	: 5700 mg/kg bo : >= 5,700 mg/kg : OECD Test Gu : negative : no	g body weight ideline 451	
Applic Expose Dose NOAE Metho	sure time EL od t	: 5700 mg/kg bo : >= 5,700 mg/kg : OECD Test Gu : negative : no	g body weight	
Applic Expose Dose NOAE Metho Result GLP Rema	sure time EL od t	<ul> <li>5700 mg/kg bo</li> <li>&gt;= 5,700 mg/kg</li> <li>OECD Test Gu</li> <li>negative</li> <li>no</li> <li>Test results on</li> </ul>	g body weight iideline 451 an analogous product	
Applic Expose Dose NOAE Metho GLP Rema Distill	sure time EL od t	<ul> <li>5700 mg/kg bo</li> <li>&gt;= 5,700 mg/kg</li> <li>OECD Test Gu</li> <li>negative</li> <li>no</li> <li>Test results on</li> </ul>	g body weight iideline 451 an analogous product	



Version 1.0	Revision Date: 11/01/2022	SDS Number: 203000010786	Date of last issue: - Country / Language: US / EN		
IARC			this product present at levels greater than or equal to 0.1% is bable, possible or confirmed human carcinogen by IARC.		
OSH		No component of this product present at levels greater than or equal to 0.1% on OSHA's list of regulated carcinogens.			
NTP	<b>NTP</b> No ingredient of this product present at levels greater than or equal to identified as a known or anticipated carcinogen by NTP.				
Not cl	oductive toxicity lassified based on av ponents:	ailable information.			
		ydrotreated light na	phthenic:		
	ts on fertility	: Test Type: Fe Species: Rat Application R Dose: 1000 n General Toxi Fertility: NOA Early Embryc bw/day Method: OEC Result: No ef ment were de GLP: yes	ertility/early embryonic development , male and female ,oute: Oral nilligram per kilogram city Parent: NOAEL: >= 1,000 mg/kg bw/day EL: >= 1,000 mg/kg bw/day onic Development: NOAEL: >= 1,000 mg/kg CD Test Guideline 421 fects on fertility and early embryonic develop-		
Effect	ts on fertility	Species: Rat Application R Dose: 0 - 100 General Toxi Fertility: NOA Early Embryo weight Method: OEC Result: Anima GLP: yes Remarks: Te	ertility/early embryonic development , male and female oute: Oral 00 milligram per kilogram city Parent: NOAEL: >= 1,000 mg/kg body weight EL: >= 1,000 mg/kg body weight onic Development: NOAEL: >= 1,000 mg/kg body CD Test Guideline 421 al testing did not show any effects on fertility. st results on an analogous product		
Effect	ts on fetal developme	Species: Rat Application R Dose: 0 - 125	mbryo-fetal development , female oute: Dermal 5 - 500 milligram per kilogram city Maternal: NOAEL: >= 2,000 mg/kg body		



Version 1.0	Revision Date: 11/01/2022	SDS Number: 203000010786	Date of last issue: - Country / Language: US / EN
		Developmenta Embryo-fetal to Method: OECD Result: negativ GLP: No inform	NOAEL: >= 2,000 mg/kg body weight Toxicity: NOAEL: >= 2,000 mg/kg body weight oxicity.: NOAEL: >= 2,000 mg/kg body weight Test Guideline 414 re nation available. results on an analogous product
Distil	lates (petroleum), hy	drotreated light para	iffinic:
Effect	ts on fertility	Species: Rat, r Application Ro Dose: 1000 mi General Toxici Fertility: NOAE Method: OECD Result: No effe ment were dete GLP: yes	lligram per kilogram ty Parent: NOAEL: >= 1,000 mg/kg body weight L: >= 1,000 mg/kg body weight D Test Guideline 421 tots on fertility and early embryonic develop-
Effect	ts on fetal developmen	Species: Rat, f Application Ro Dose: 125 - 50 General Toxici Teratogenicity: Developmenta Method: OECD Result: negativ GLP: yes	ute: Dermal 0 - 2000 milligram per kilogram ty Maternal: LOAEL: 125 mg/kg body weight NOAEL: >= 2,000 mg/kg body weight I Toxicity: NOAEL: >= 2,000 mg/kg body weight D Test Guideline 414
(Z)-N	-methyl-N-(1-oxo-9-od	ctadecenvl)glycine:	
	ts on fertility		nal testing did not show any effects on fertility.
Lubri	cating oils (petroleur	n), C15-30. hvdrotre	ated neutral oil-based:
	ts on fertility	: Test Type: Fer Species: Rat, r Application Ro Dose: 1000 mi General Toxici Fertility: NOAE Early Embryon bw/day Method: OECE	tility/early embryonic development nale and female



Version 1.0	Revision Date: 11/01/2022	SDS Number: 203000010786	Date of last issue: - Country / Language: US / EN
		ment were de GLP: yes Remarks: Tes	tected. st results on an analogous product
Paraf	fin waxes and Hydro	carbon waxes:	
	ts on fertility	: Test Type: Fe Species: Rat, Application Ro Dose: 0 - 100 General Toxic Fertility: NOA Early Embryou weight Method: OEC Result: Anima GLP: yes	ertility/early embryonic development male and female oute: Oral 0 milligram per kilogram city Parent: NOAEL: >= 1,000 mg/kg body weight nic Development: NOAEL: >= 1,000 mg/kg body D Test Guideline 421 al testing did not show any effects on fertility.
Effect	ts on fetal developmer	Species: Rat, Application Ro Dose: 0 - 125 General Toxic weight Teratogenicity Developmenta Embryo-fetal t Method: OEC Result: negati GLP: No infor	oute: Dermal - 500 milligram per kilogram sity Maternal: NOAEL: >= 2,000 mg/kg body y: NOAEL: >= 2,000 mg/kg body weight al Toxicity: NOAEL: >= 2,000 mg/kg body weight toxicity.: NOAEL: >= 2,000 mg/kg body weight D Test Guideline 414
Distil	lates (petroleum), so	lvent-refined heavy	naphthenic:
Effect	ts on fertility	Species: Rat, Application Ro Dose: 1000 m General Toxic Fertility: NOA Early Embryo bw/day Method: OEC Result: No eff ment were de GLP: yes	nilligram per kilogram Sity Parent: NOAEL: >= 1,000 mg/kg bw/day EL: >= 1,000 mg/kg bw/day nic Development: NOAEL: >= 1,000 mg/kg D Test Guideline 421 fects on fertility and early embryonic develop-



Version 1.0	Revision Date: 11/01/2022	SDS Number: 203000010786	Date of last issue: - Country / Language: US / EN
STO	T-single exposure		
May	cause respiratory irrita	tion.	
<u>Com</u>	ponents:		
Disti	llates (petroleum), hy	drotreated light naph	nthenic:
Asse	ssment	: May cause resp	piratory irritation.
Disti	llates (petroleum), sc	olvent-dewaxed heavy	y paraffinic:
Asse	ssment	: May cause resp	piratory irritation.
Disti	llates (petroleum), hy	drotreated light para	ffinic:
Asse	ssment	: May cause resp	piratory irritation.
Lubr	icating oils (petroleu	m), C15-30, hydrotrea	ated neutral oil-based:
Asse	ssment	: May cause resp	piratory irritation.
Para	ffin waxes and Hydro	ocarbon waxes:	
Asse	ssment	: May cause resp	piratory irritation.
Disti	llates (petroleum), so	olvent-refined heavy r	naphthenic:
	ssment	-	piratory irritation.
STO	T-repeated exposure		
Not c	lassified based on ava	ailable information.	
Repe	eated dose toxicity		
<u>Com</u>	ponents:		
Disti	llates (petroleum), hy	drotreated light naph	nthenic:
Spec		: Rat, male	
LOAE		: 125 mg/kg	
	cation Route	: Oral	
	sure time ber of exposures	: 90 d : daily	
Dose	-	: 125 - 500 mg/k	a bw/d
Meth		: OECD Test Gu	-
GLP	•••	: No information	
Rema	arks		an analogous product
Disti	llates (petroleum), so	olvent-dewaxed heavy	y paraffinic:
Spec	ies	: Rat, male	
LOAE		: 125 mg/kg	
Appli	cation Route	: Oral	
Expo	sure time	: 90 d	



Version 1.0	Revision Date: 11/01/2022	SDS Number:Date of last issue: -203000010786Country / Language: US / EN	
Numł Dose Metho GLP Rema	od	<ul> <li>5 days/week</li> <li>0 - 125 - 500 mg/kg bw/d</li> <li>OECD Test Guideline 408</li> <li>No information available.</li> <li>Subchronic toxicity Test results on an analogous product</li> </ul>	
Expo	EC cation Route sure time ber of exposures od	<ul> <li>Rat, male and female</li> <li>&gt;= 1 mg/l</li> <li>inhalation (dust/mist/fume)</li> <li>20 d</li> <li>6 hours/day</li> <li>0 - 0.05 - 0,22</li> <li>OECD Test Guideline 412</li> <li>No information available.</li> <li>Subacute toxicity Test results on an analogous product</li> </ul>	
Expo	EL cation Route sure time ber of exposures od	<ul> <li>Rat, male and female</li> <li>&gt;= 2000 mg/kg</li> <li>Skin contact</li> <li>90 d</li> <li>5 days/week</li> <li>0 - 2000 mg/kg bw/d</li> <li>OECD Test Guideline 411</li> <li>No information available.</li> <li>Subchronic toxicity Test results on an analogous product</li> </ul>	
Distil	llates (petroleum), h	drotreated light paraffinic:	
	EL cation Route sure time od	<ul> <li>Rat, male</li> <li>125 mg/kg</li> <li>Oral</li> <li>90 d</li> <li>125 - 500 mg/kg bw/d</li> <li>OECD Test Guideline 408</li> <li>No information available.</li> <li>Subchronic toxicity Test results on an analogous product</li> </ul>	
Test	EL cation Route atmosphere sure time od	<ul> <li>Rat, male and female</li> <li>&gt; 980 mg/m<sup>3</sup></li> <li>Inhalation</li> <li>dust/mist</li> <li>28 d</li> <li>50 - 220 - 980 mg/m3</li> <li>OECD Test Guideline 412</li> <li>No information available.</li> <li>Subacute toxicity Test results on an analogous product</li> </ul>	



/ersion I.0	Revision Date: 11/01/2022	SDS Number:Date of last issue: -203000010786Country / Language: US / EN
Speci		: Rabbit, male and female
NOAE		: 1,000 mg/kg
	cation Route	: Skin contact
•	sure time	: 28 d
Dose Metho		: 200 - 1000 - 2000 mg/kg bw/d : OECD Test Guideline 410
GLP	Ju	: Ves
Rema	arks	: Subacute toxicity
		Test results on an analogous product
(Z)-N	-methyl-N-(1-oxo-9-o	octadecenyl)glycine:
Rema	arks	: No known significant effects or critical hazards.
Lubri	icating oils (petroleu	ım), C15-30, hydrotreated neutral oil-based:
Speci	ies	: Rat, male
LOAE		: 125 mg/kg
Applic	cation Route	: Oral
Expos	sure time	: 90 d
Numb	per of exposures	: daily
Dose		: 125 - 500 mg/kg bw/d
Metho	od	: OECD Test Guideline 408
GLP		: No information available.
Rema	arks	: Test results on an analogous product
Paraf	fin waxes and Hydro	ocarbon waxes:
Speci	ies	: Rat, male and female
NOAE	EL	: >= 1500 mg/kg
	cation Route	: Oral
•	sure time	: 90 d
Dose		: 1,5-15-150-1500 mg/kg bw/d
Metho	od	: OECD Test Guideline 408
GLP	arko	: yes
Rema	arks	: Subchronic toxicity Test results on an analogous product
Distil	lates (petroleum), s	olvent-refined heavy naphthenic:
Speci		: Rat, male
LOAE		: 125 mg/kg
	cation Route	: Oral
	sure time	: 90 d
	per of exposures	: daily
Dose	•	: 125 - 500 mg/kg bw/d
Metho	bd	: OECD Test Guideline 408
GLP		: No information available.
Rema	arks	: Subchronic toxicity
		Test results on an analogous product
		07/00

## ADDITIN RC 4256



Version	Revision Date:	SDS Number:
1.0	11/01/2022	203000010786

Date of last issue: -Country / Language: US / EN

#### Aspiration toxicity

Not classified based on available information.

#### **Components:**

#### Distillates (petroleum), hydrotreated light naphthenic:

May be fatal if swallowed and enters airways.

#### Distillates (petroleum), hydrotreated light paraffinic:

May be fatal if swallowed and enters airways.

#### Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based:

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

#### **SECTION 12. ECOLOGICAL INFORMATION**

#### Ecotoxicity

#### Components:

#### Distillates (petroleum), hydrotreated light naphthenic:

Toxicity to fish :	LL50 (Pimephales promelas (fathead minnow)): > 100 mg/l Exposure time: 96 h Analytical monitoring: yes Method: OECD Test Guideline 203 GLP: yes Remarks: water extractable fraction
Toxicity to daphnia and other : aquatic invertebrates	EL50 (Daphnia magna (Water flea)): > 10,000 mg/l Exposure time: 48 h Analytical monitoring: yes Method: OECD Test Guideline 202 GLP: yes Remarks: water extractable fraction
Toxicity to algae/aquatic : plants	EL50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l End point: Growth rate Exposure time: 72 h Analytical monitoring: No information available. Method: OECD Test Guideline 201 GLP: No information available. Remarks: water extractable fraction Test results on an analogous product



ersion 0	Revision Date: 11/01/2022	SDS Number: 203000010786	Date of last issue: - Country / Language: US / EN
		100 mg/l End point: Gro Exposure time Analytical mor Method: OEC GLP: No infor Remarks: wat	
	ty to daphnia and other ic invertebrates (Chron- city)	End point: Re Exposure time Analytical mor Method: OEC GLP: yes	
Distill	ates (petroleum), solv	ent-dewaxed heav	/y paraffinic:
Toxici	ty to fish	Exposure time Analytical mor Method: OEC GLP: yes Remarks: non	nitoring: yes D Test Guideline 203 ninal concentration n an analogous product
	ty to daphnia and other c invertebrates	Exposure time Analytical mor Method: OEC GLP: No infor Remarks: non	hitoring: no D Test Guideline 202 mation available. hinal concentration h an analogous product
Toxici plants	ty to algae/aquatic	mg/l Exposure time Analytical mor Method: OEC GLP: No infor Remarks: non Test results of water extracta	hitoring: no D Test Guideline 201 mation available. hinal concentration h an analogous product
		100 mg/l	aoraionainonona ousoapitata (groon aigao)). >-



Version 1.0	Revision Date: 11/01/2022	-	0S Number: 3000010786	Date of last issue: - Country / Language: US / EN
			Analytical monitor Method: OECD Te GLP: No informati Remarks: nomina Test results on an water extractable	est Guideline 201 ion available. I concentration analogous product
aquat	Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)		End point: Reproc Exposure time: 21 Analytical monitor Method: OECD To GLP: yes Remarks: nomina	d ing: no est Guideline 211 concentration analogous product
Distil	llates (petroleum), hydr	otro	eated light paraffi	nic:
Toxic	ity to fish	:	LL50 (Pimephales Exposure time: 96 Analytical monitor Method: OECD To GLP: yes Remarks: water e	ing: yes est Guideline 203
	ity to daphnia and other tic invertebrates	:	EL50 (Daphnia m Exposure time: 48 Analytical monitor Method: OECD Te GLP: no Remarks: water e	ing: no est Guideline 202
Toxic plants	ity to algae/aquatic s	:	EL50 (Pseudokirc mg/l End point: Growth Exposure time: 72 Analytical monitor Method: OECD Te GLP: no Remarks: water e	2 h ing: no est Guideline 201
			NOEC (Pseudokir mg/l End point: Growth Exposure time: 72 Analytical monitor Method: OECD To GLP: no Remarks: water e	2 h ing: no est Guideline 201



Vers 1.0	ion	Revision Date: 11/01/2022		9S Number: 3000010786	Date of last issue: - Country / Language: US / EN
		r to daphnia and other invertebrates (Chron- ty)	tebrates (Chron-		magna (Water flea)): 10 mg/l luction d ing: no est Guideline 211 xtractable fraction
	(Z)-N-m	nethyl-N-(1-oxo-9-octa	ade	cenyl)glycine:	
	Toxicity	r to fish	:	LC50 (Leuciscus i Exposure time: 96 Test Type: static t	
	Toxicity to daphnia and other : aquatic invertebrates		EC50 (Daphnia magna (Water flea)): 0.43 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202		
	Toxicity plants	to algae/aquatic	:	Exposure time: 72	mus subspicatus (green algae)): 6.3 mg/l ? h on (EC) No. 440/2008, Annex, C.3
				NOEC (Desmode Exposure time: 72 Method: OECD Te	
	Toxicity to microorganisms		:	EC50 (Bacteria): 1,300 mg/l Exposure time: 3 h Method: OECD Test Guideline 209 GLP: yes	
	Lubrica	ating oils (petroleum)	. C1	5-30. hydrotreate	d neutral oil-based:
	Toxicity	• ,	:	LL50 (Pimephales Exposure time: 96 Analytical monitor Method: OECD Te GLP: yes Remarks: water e	promelas (fathead minnow)): > 100 mg/l 5 h ing: yes est Guideline 203
		to daphnia and other invertebrates	:	Exposure time: 48 Analytical monitor Method: OECD Te GLP: yes Remarks: water e	ing: yes est Guideline 202
	Toxicity	to algae/aquatic	:	EL50 (Pseudokirc	hneriella subcapitata (green algae)): > 100
				04/00	



	Revision Date: 11/01/2022	SDS Number: 203000010786	Date of last issue: - Country / Language: US / EN
plants		Method: OEC GLP: No info Remarks: wa Test results of NOELR (Pse 100 mg/l End point: Gr Analytical mo Method: OEC GLP: No info Remarks: wa	e: 72 h onitoring: No information available. CD Test Guideline 201 rmation available. ter extractable fraction on an analogous product udokirchneriella subcapitata (green algae)): >
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)		End point: Re Exposure tim Analytical mo Method: OEC GLP: yes Remarks: wa	
Paraffin	waxes and Hydroca	rbon waxes:	
Toxicity to fish		: LL50 (Pimep Exposure tim Analytical mo Method: OEC GLP: yes Remarks: no	onitoring: yes CD Test Guideline 203 minal concentration on an analogous product
Toxicity to daphnia and other aquatic invertebrates		Exposure tim Analytical mo Method: OEC GLP: No info Remarks: no	onitoring: no CD Test Guideline 202 rmation available. minal concentration on an analogous product
<b>-</b> · · ·	to algae/aquatic	: EL50 (Pseud	okirchneriella subcapitata (green algae)): > 100
l oxicity f plants		mg/l Exposure tim	e: 72 h



/ersion .0	Revision Date: 11/01/2022	SDS Number: 203000010786	Date of last issue: - Country / Language: US / EN
		GLP: No inform Remarks: nomi	P Test Guideline 201 nation available. inal concentration an analogous product
		100 mg/l Exposure time: Analytical moni Method: OECD GLP: No inform Remarks: nomi	toring: no Test Guideline 201 nation available. inal concentration an analogous product
	ty to daphnia and other ic invertebrates (Chron- city)	End point: Rep Exposure time: Analytical moni Method: OECD GLP: yes Remarks: nomi	21 d toring: no • Test Guideline 211 inal concentration an analogous product
Distill	ates (petroleum), solv	ent-refined heavy r	naphthenic:
Toxici	ty to fish	Exposure time: Analytical moni Method: OECD GLP: yes Remarks: wate	
	ty to daphnia and other ic invertebrates	Exposure time: Analytical moni Method: OECD GLP: yes Remarks: wate	
Toxici plants	ty to algae/aquatic	mg/l End point: Grov Exposure time: Analytical moni	72 h toring: No information available. 9 Test Guideline 201



ersion .0	Revision Date: 11/01/2022	SDS Number: 203000010786	Date of last issue: - Country / Language: US / EN
		Remarks: w	ormation available. ater extractable fraction on an analogous product
		100 mg/l End point: C Exposure tin Analytical m Method: OE GLP: No inf Remarks: w	
aquat	Toxicity to daphnia and other : aquatic invertebrates (Chron- ic toxicity)		phnia magna (Water flea)): 10 mg/l Reproduction me: 21 d conitoring: No information available. CD Test Guideline 211 ater extractable fraction on an analogous product
Persi	stence and degradabi	lity	
<u>Comp</u>	oonents:		
	lates (petroleum), hyd	-	-
Biode	gradability	: Result: Not	readily biodegradable.
<b>Distillates (petroleum), solvent</b> -Biodegradability :		: aerobic Concentrati Result: Inhe Biodegrada Exposure tii	on: 44 mg/l erently biodegradable. tion: 31 %
Stabil	Stability in water :		he product is insoluble and floats on water.
Distil	lates (petroleum), hyd	rotreated light p	araffinic:
	Biodegradability :		readily biodegradable. tion: 2 - 4 % ne: 28 d CD Test Guideline 301B



	Revision Date: 11/01/2022	SDS Number: 203000010786	Date of last issue: - Country / Language: US / EN		
(Z)-N·	-methyl-N-(1-oxo-9-c	octadecenyl)glycine:			
Biodegradability		Biodegradatio Exposure time	<ul> <li>aerobic Result: Readily biodegradable.</li> <li>Biodegradation: 85.2 %</li> <li>Exposure time: 28 d</li> <li>Method: OECD Test Guideline 301B</li> </ul>		
Lubri	cating oils (petroleu	m), C15-30, hydrotre	eated neutral oil-based:		
Biodegradability		: Result: Not re	: Result: Not readily biodegradable.		
Paraf	fin waxes and Hydro	ocarbon waxes:			
Biode	gradability	Biodegradatio Exposure time Method: OEC GLP: yes			
Distil	lates (petroleum), so	olvent-refined heavy	naphthenic:		
Biode	gradability	: Result: Not re	adily biodegradable.		
Bioad	cumulative potentia	al de la constante de la const			
	ccumulative potentia	ıl			
<u>Comp</u>	-		vy paraffinic:		
<u>Comp</u> Distil Partiti	oonents:		90		
<u>Com</u> Distil Partiti octan	oonents: lates (petroleum), so ion coefficient: n-	<b>Divent-dewaxed hea</b> : log Pow: > 3.9 Method: Calco	90 ulated value		
Comp Distil Partiti octan (Z)-N-	oonents: lates (petroleum), so ion coefficient: n- ol/water	Divent-dewaxed heav : log Pow: > 3.9 Method: Calco Dectadecenyl)glycine: : log Pow: 3.5 -	90 ulated value		
Comp Distil Partiti octan (Z)-N- Partiti octan	Donents: lates (petroleum), so ion coefficient: n- ol/water -methyl-N-(1-oxo-9-c ion coefficient: n-	<ul> <li>blvent-dewaxed heaven in the second se</li></ul>	4.2		
Comp Distil Partiti octan (Z)-N- Partiti octan Partiti Partiti	<b>Donents:</b> lates (petroleum), so ion coefficient: n- ol/water -methyl-N-(1-oxo-9-o ion coefficient: n- ol/water	<ul> <li>blvent-dewaxed heaven in the second se</li></ul>	4.2 Jation (EC) No. 440/2008, Annex, A.8 6.7		
Comp Distil Partiti octan Partiti octan Partiti octan	Donents: lates (petroleum), so ion coefficient: n- ol/water -methyl-N-(1-oxo-9-c ion coefficient: n- ol/water fin waxes and Hydro ion coefficient: n-	<ul> <li>blvent-dewaxed heaven in the second se</li></ul>	4.2 Jation (EC) No. 440/2008, Annex, A.8 6.7		
Comp Distil Partiti octan Partiti octan Paraf Partiti octan Mobil	Donents: lates (petroleum), so ion coefficient: n- ol/water -methyl-N-(1-oxo-9-c ion coefficient: n- ol/water fin waxes and Hydro ion coefficient: n- ol/water	<ul> <li>blvent-dewaxed heaven in the second se</li></ul>	4.2 Jation (EC) No. 440/2008, Annex, A.8 6.7		
Comp Distil Partiti octan Partiti octan Paraf Partiti octan Mobil Comp	Donents: lates (petroleum), so ion coefficient: n- ol/water -methyl-N-(1-oxo-9-c ion coefficient: n- ol/water fin waxes and Hydro ion coefficient: n- ol/water lity in soil	<ul> <li>blvent-dewaxed heaven in the second se</li></ul>	4.2 Jation (EC) No. 440/2008, Annex, A.8 6.7 sured		



Revision Date: 11/01/2022	SDS Number: 203000010786	Date of last issue: - Country / Language: US / EN	
adverse effects ta available			
13. DISPOSAL CON	SIDERATIONS		
sal methods			
Waste from residues       : The product should not be allowed to enter drains, wat courses or the soil.         Send to a licensed waste management company.			
14. TRANSPORT IN	FORMATION		
ational Regulations	5		
<b>DGR</b> gulated as a dangero	ous good		
-Code gulated as a dangero	bus good		
-	-	RPOL 73/78 and the IBC Code	
stic regulation			
<b>R</b> gulated as a dangero	ous good		
		eyes, Keep separated from foodstuffs	
15. REGULATORY I	NFORMATION		
I A Poportable Qua	ntity		
•		ith a CERCLA RQ.	
-			
311/312 Hazards	Serious eye da	skin sensitization mage or eye irritation organ toxicity (single or repeated exposure)	
313	known CAS nu	oes not contain any chemical components with mbers that exceed the threshold (De Minimis) s established by SARA Title III, Section 313.	
	11/01/2022         adverse effects         ta available         13. DISPOSAL CON         sal methods         from residues         14. TRANSPORT IN         ational Regulations         DGR         gulated as a dangero         -Code         gulated as a dangero         port in bulk accordi         oplicable for product a         stic regulation         R         gulated as a dangero         dand Handling Not         angerous cargo, Risk         15. REGULATORY I         CLA Reportable Qua         naterial does not com         302 Extremely Haz         naterial does not com         311/312 Hazards	11/01/2022       20300010786         adverse effects       ta available         13. DISPOSAL CONSIDERATIONS         sal methods         from residues       : The product sh courses or the Send to a licen         14. TRANSPORT INFORMATION         ational Regulations         DGR         gulated as a dangerous good         -Code         gulated as a dangerous good         -d and Handling Notes.         angerous cargo, Risk of serious damage to a         -15. REGULATORY INFORMATION         *LA Reportable Quantity         naterial does not contain any components w         -302 Extremely Hazardous Substances T         naterial does not contain any components w         -311/312 Hazards       :	

## ADDITIN RC 4256



Version 1.0	Revision Date: 11/01/2022	SDS Number: 203000010786		last issue: - / Language: US / EN			
US State Regulations							
Massa	chusetts Right To Kr	low					
	Distillates (petroleu thenic	m), hydrotreated light n	aph-	64742-53-6	10 - 20		
	Distillates (petroleur	m), hydrotreated light p roleum), C15-30, hydro		64742-55-8 72623-86-0	1 - 5 1 - 5		
	Paraffin waxes and	Hydrocarbon waxes m), solvent-refined hea	vy naph-	8002-74-2 64741-96-4	1 - 5 1 - 5		
		roleum), C20-50, hydro	otreated	72623-87-1	>= 1		
Penns	Pennsylvania Right To Know						
	Benzenesulfonic ac cium salts	id, di-C10-18-alkyl deri	vs., cal-	93820-57-6	30 - 50		
	Proprietary Compor	nent		Trade Secret	>= 1		
	Distillates (petroleur thenic	m), hydrotreated light n	aph-	64742-53-6	10 - 20		
	Distillates (petroleur paraffinic	m), solvent-dewaxed h	eavy	64742-65-0	10 - 20		
	Fatty acids, C16-18			67701-03-5	>= 1		
	Distillates (petroleur	m), hydrotreated light p	araffinic	64742-55-8	1-5		
	(Z)-N-methyl-N-(1-c	oxo-9-octadecenyl)glyci	ne	110-25-8	1-5		
	alkenes, C>10 alph			68425-39-8	>= 1		
	Lubricating oils (pet neutral oil-based	roleum), C15-30, hydro	otreated	72623-86-0	1 - 5		
	Paraffin waxes and	Hydrocarbon waxes		8002-74-2	1-5		
	Distillates (petroleur thenic	m), solvent-refined hea	vy naph-	64741-96-4	1 - 5		
	Lubricating oils (pet neutral oil-based	roleum), C20-50, hydro	otreated	72623-87-1	>= 1		

#### California Prop. 65

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

#### **TSCA** inventory

TSCA

: All substances listed as active on the TSCA inventory

#### **TSCA** list

No substances are subject to a Significant New Use Rule.

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

# ADDITIN RC 4256

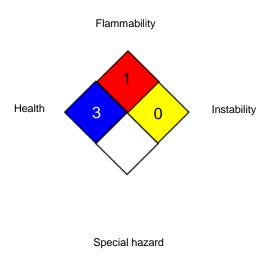


VersionRevision Date:SDS Number:Date of last issue: -1.011/01/2022203000010786Country / Language: US / EN					
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#### **SECTION 16. OTHER INFORMATION**

#### Further information





#### HMIS® IV:



HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

#### Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim-
		its for Air Contaminants
ACGIH / TWA	:	8-hour, time-weighted average
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% 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 - 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 Associa-



### ADDITIN RC 4256

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11/01/2022	203000010786	Country / Language: US / EN

tion; 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

Revision Date

: 11/01/2022

The data contained in this Safety Data Sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered to be a guidance for processing and does not contain any warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. It is the responsibility of the recipient of the product to ensure that any proprietary rights and existing laws and legislation are observed.