## ADDITIN RC 4955



Version 1.0	Revision Date: 10/31/2022	SDS Number: 203000010742	Date of last issue: - Country / Language: US / EN
SECTION	I 1. IDENTIFICATION		
Prod	uct name	: ADDITIN RC 4	955
Prod	uct code	: 00000000062	2534558
Man	ufacturer or supplier's	details	
Com	pany	111 RIDC Pa	y & Regulatory Affairs
Resp	oonsible Department	: (800) LANXE (412) 809-100 lanxesshes@	00
Eme	rgency telephone	(703) 527-388	(800) 424-9300 or 37 (Outside U.S.A) and mention CCN12916. Irgency Phone (800) 410-3063.
Reco	ommended use of the	chemical and restri	ctions on use
Reco	ommended use	: Lubricants and	l lubricant additives

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

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)			
Skin irritation	:	Category 2	
Eye irritation	:	Category 2A	
Skin sensitization	:	Category 1	
GHS label elements			
Hazard pictograms	:		
Signal Word	:	Warning	
Hazard Statements	:	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.	
		1 / 35	

### ADDITIN RC 4955



Version 1.0	Revision Date: 10/31/2022	SDS Number: 203000010742	Date of last issue: - Country / Language: US / EN			
Precautionary Statements		<ul> <li>Prevention:</li> <li>Avoid breathing mist or vapors.</li> <li>Wash skin thoroughly after handling.</li> <li>Contaminated work clothing must not be allowed out of the workplace.</li> <li>Wear protective gloves/ eye protection/ face protection.</li> </ul>				
		IF IN EYES: Rins Remove contact rinsing. If skin irritation of If eye irritation pe	sh with plenty of soap and water. se cautiously with water for several minutes. lenses, if present and easy to do. Continue r rash occurs: Get medical advice/ attention. ersists: Get medical advice/ attention. nated clothing and wash before reuse.			
		<b>Disposal:</b> Dispose of conte plant.	nts/ 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)
2-Amino-2-Methyl-1-Propanol	124-68-5	>= 10 - < 20
Distillates (petroleum), solvent-	64741-88-4	>= 10 - < 20
refined heavy paraffinic		
2,2'-(octylimino)bisethanol	15520-05-5	>= 5 - < 10
Sodium Petroleum Sulphonates	68608-26-4	>= 5 - < 10
Benzenesulfonic acid, C10-16-alkyl	68584-23-6	>= 1 - < 5
derivs., calcium salts		
ALCOHOLS, C16-18 AND C18-	68920-66-1	>= 1 - < 5
UNSATURATED, ETHOXYLATED		
Distillates (petroleum), hydrotreated	64742-53-6	>= 1 - < 5
light naphthenic		
Benzenesulfonic acid, mono-C16-24-	70024-69-0	>= 1 - < 5
alkyl derivs., calcium salts		
Calcium Petroleum Sulfonate	61789-86-4	>= 1 - < 5
Distillates (petroleum), hydrotreated	64742-55-8	>= 1 - < 5
light paraffinic		
Any concentration shown as a range is	s to protect confide	entiality or is due to batch variation.

# ADDITIN RC 4955



/ersion .0	Revision Date: 10/31/2022	SDS Number: 203000010742	Date of last issue: - Country / Language: US / EN
SECTION	4. FIRST AID MEAS	URES	
Gene	ral advice	Consult a p Show this s	f dangerous area. hysician. afety data sheet to the doctor in attendance. e the victim unattended.
lf inha	aled	-	move to fresh air. attention if symptoms occur.
In cas	se of skin contact	Remove cor Continue to Get medical	h soap and plenty of water. ntaminated clothing and shoes. rinse for at least 20 minutes. attention if symptoms occur. minated clothing before reuse.
In cas	se of eye contact	Remove cor rinsing. Continue to	flush eye(s) with plenty of water. ntact lenses, if present and easy to do. Continue rinse for at least 20 minutes. attention if symptoms appear.
lf swa	allowed	sonnel.	n with water. ce vomiting unless directed to do by medical per- attention if symptoms occur.
Most	important symptom	s and effects, both	acute and delayed
Symp	otoms	stinging, an Skin: Cause and swellin Once sensi	es irritation with symptoms of reddening, itching, g. tized, an allergic skin reaction may occur with swelling, and rash when subsequently exposed to
Effect	ts		n irritation. an allergic skin reaction. ious eye irritation.
Notes	s to physician	: Treat sympton	omatically.

### SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or car-
		bon dioxide.

# ADDITIN RC 4955



Ver 1.0	sion	Revision Date: 10/31/2022		DS Number: 3000010742	Date of last issue: - Country / Language: US / EN
	Unsuita media	able extinguishing	:	None known.	
	Specific fighting	c hazards during fire	:	Toxic and irritating ing or thermal dec	g gases/fumes may be given off during burn- composition.
	Hazard ucts	lous combustion prod-	:	Carbon dioxide (C Carbon monoxide Nitrogen oxides (I Sulfur oxides	, ,
	Further	information	:	must not be disch Fire residues and	ated fire extinguishing water separately. This arged into drains. contaminated fire extinguishing water must accordance with local regulations.
	•	l protective equipment fighters	:	Wear self-contain essary.	ed breathing apparatus for firefighting if nec-

### 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.
Environmental precautions :	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for : containment and cleaning up	<ul> <li>Stop leak if safe to do so.</li> <li>Move containers from spill area.</li> <li>Wash spillages into an effluent treatment plant or proceed as follows.</li> <li>Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).</li> <li>Dispose of wastes in an approved waste disposal facility.</li> <li>Do not allow into the sewerage system, surface waters or groundwater or into the soil.</li> <li>Contaminated absorbent material may pose the same hazard as the spilled product.</li> </ul>

### **SECTION 7. HANDLING AND STORAGE**

# ADDITIN RC 4955



Version 1.0	Revision Date: 10/31/2022	SDS Number: 203000010742	Date of last issue: - Country / Language: US / EN
Advic	e on safe handling	fore entering ea Workers should and smoking. Put on appropria Eating, drinking where this mate Avoid inhalation Use only with a Persons with a	ninated clothing and protective equipment be- ting areas. wash hands and face before eating, drinking ate personal protection equipment. and smoking should be prohibited in areas trial is handled, stored and processed. in ingestion and contact with skin and eyes. dequate ventilation. history of skin sensitization to this product mployed in any process in which this product
Conditions for safe storage		Store in original dry, cool and we materials (see S Keep containers Containers that and kept uprigh Do not store in Use appropriate tion.	ance with local regulations. container protected from direct sunlight in a ell-ventilated area, away from incompatible Section 10) and food and drink. s sealed until ready for use. have been opened must be carefully resealed t to prevent leakage. unlabeled containers. e container to avoid environmental contamina- rs retain residue and can be dangerous. ontainer.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Distillates (petroleum), solvent- refined heavy paraffinic	64741-88-4	TWA (Inhal- able particu- late matter)	5 mg/m3	ACGIH
Distillates (petroleum), hy- drotreated light naphthenic	64742-53-6	TWA (Inhal- able particu- late matter)	5 mg/m3	ACGIH
Distillates (petroleum), hy- drotreated light paraffinic	64742-55-8	TWA (Inhal- able particu- late matter)	5 mg/m3	ACGIH
		TWA (Mist)	5 mg/m3	OSHA Z-1

**Engineering measures** : 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.

# **ADDITIN RC 4955**



Version 1.0	Revision Date: 10/31/2022		DS Number: 03000010742	Date of last issue: - Country / Language: US / EN
Pers	onal protective equipn	nent		
Resp	biratory protection	:	exposure levels, t	on must be based on known or anticipated he hazards of the product and the safe he selected respirator.
Ν	d protection laterial /earing time	:	Nitrile rubber < 60 min	
R	emarks	:		discarded and replaced if there is any indi- tion or chemical breakthrough.
Eye	protection	:	Safety glasses wi	th side-shields
Skin	and body protection	:	Protective suit Impervious clothin Wear suitable pro	0
Hygi	ene measures	:	chemical products lavatory and at th Appropriate techr contaminated clot Wash contaminat	ed clothing before reusing. ash stations and safety showers are close

### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	: Wax.	
Physical state	: liquid	
Color	: brown	
Odor	: slight, oily	
Odor Threshold	: No data available	
рН	: ca. 7.3 (68 °F / 20 °C) Concentration: 2.5 % in TBN solvent	
Melting point/range	: No data available	
	6 / 35	

# ADDITIN RC 4955



Vers 1.0	sion	Revision Date: 10/31/2022		S Number: 0000010742	Date of last issue: - Country / Language: US / EN
	Boiling	point/boiling range	:	No data available	
	Flash p	oint	:	311 °F / 155 °C	
				Method: Pensky-	Martens.
	Evapora	ation rate	:	No data available	)
	Self-ign	ition	:	No data available	)
	Burning	number	:	No data available	)
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	
	Vapor p	pressure	:	No data available	)
	Relative	e density	:	No data available	9
	Density		:	0.838 g/cm3	
	Solubili Wat	ty(ies) er solubility	:	No data available	9
	Solu	bility in other solvents	:	Description: partl	y soluble
	Partition octanol	n coefficient: n- /water	:	No data available	
	Decom	position temperature	:	No data available	)
	Viscosit Visc	ty osity, dynamic	:	No data available	9
	Visc	osity, kinematic	:	100 mm2/s (104	°F / 40 °C)
	Explosi	ve properties	:	No data available	9
	Oxidizir	ng properties	:	No data available	3

### SECTION 10. STABILITY AND REACTIVITY

Reactivity

: No specific test data related to reactivity available for this product or its ingredients.

# ADDITIN RC 4955



Version 1.0	Revision Date: 10/31/2022	SDS Number: 203000010742	Date of last issue: - Country / Language: US / EN
Chem	nical stability	: Stable under	normal conditions.
Condi	itions to avoid	: No data avai	lable
Incom	patible materials	: No specific c	lata.
Hazaı produ	rdous decomposition	: No hazardou	is decomposition products are known.

### 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 oral toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method

### **Components:**

### 2-Amino-2-Methyl-1-Propanol:

Acute oral toxicity	:	LD50 (Rat, male): 2,900 mg/kg Method: OECD Test Guideline 401 GLP: No information available.
Acute dermal toxicity	:	LD50 (Rabbit, male and female): > 2,000 mg/kg Method: OECD Test Guideline 402 GLP: yes Assessment: The substance or mixture has no acute dermal toxicity Remarks: Dosage caused no mortality

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

Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 5.53 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhala- tion toxicity Remarks: Dosage caused no mortality

### 2,2'-(octylimino)bisethanol:



Version 1.0	Revision Date: 10/31/2022	SDS Number: 203000010742	Date of last issue: - Country / Language: US / EN					
Acute	e oral toxicity		: LD50 (Rat, female): 1,157 mg/kg Method: OECD Test Guideline 401 GLP: no					
Acute	e dermal toxicity	GLP: yes Assessment: toxicity	0 mg/kg 2D Test Guideline 402 The substance or mixture has no acute dermal sage caused no mortality					
Sodi	um Petroleum Sulpho	onates:						
	e oral toxicity	: LD50 (Rat): >	⊳ 5,000 mg/kg CD Test Guideline 401					
Acute	e dermal toxicity		, male and female): > 5,000 mg/kg D Test Guideline 402					
Benz	Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:							
Acute	e oral toxicity	Method: OEC	ale and female): > 5,000 mg/kg D Test Guideline 401 sage caused no mortality					
		LD50 (Rat, m GLP: yes	ale): > 16,000 mg/kg					
Acute	e inhalation toxicity	Exposure tim Test atmosph Method: OPF GLP: yes Assessment: tion toxicity	nere: dust/mist 81-3 Acute Inhalation Toxicity The substance or mixture has no acute inhala-					
Acute	e dermal toxicity	Method: 40 C 22, 1978 as r Pesticide Ass	, male and female): > 5,000 mg/kg FR, Section 163.81-5, Federal Register, August nodified in accordance with the revised EPA sessment Guidelines November 1982					
		GLP: yes						
ALC	OHOLS, C16-18 AND	C18-UNSATURATE	D, ETHOXYLATED:					
Acute	e oral toxicity		ale and female): > 5,000 mg/kg D Test Guideline 401					



Version 1.0	Revision Date: 10/31/2022	SDS Number: 203000010742	Date of last issue: - Country / Language: US / EN					
Acute	e dermal toxicity		<ul> <li>LD50 (Rabbit, male and female): &gt; 3,000 mg/kg</li> <li>Method: OECD Test Guideline 402</li> <li>GLP: yes</li> </ul>					
Distil	lates (petroleum), hy	drotreated light na	phthenic:					
Acute	e oral toxicity	Method: OE GLP: yes Assessment icity Remarks: Do	nale and female): > 5,000 mg/kg CD Test Guideline 401 The substance or mixture has no acute oral tox- osage caused no mortality on an analogous product					
Acute	inhalation toxicity	Exposure tim Test atmosp Method: OEC GLP: No info Assessment tion toxicity Remarks: Do	nale and female): > 5.53 mg/l ne: 4 h here: dust/mist CD Test Guideline 403 ormation available. : The substance or mixture has no acute inhala- osage caused no mortality on an analogous product					
Acute	e dermal toxicity	Method: OE GLP: yes Assessment toxicity Remarks: Do	t, male and female): > 5,000 mg/kg CD Test Guideline 402 The substance or mixture has no acute dermal psage caused no mortality on an analogous product					
Benz	enesulfonic acid, mo	no-C16-24-alkyl de	erivs., calcium salts:					
	oral toxicity	: LD50 (Rat, n Method: OE(	nale and female): > 5,000 mg/kg CD Test Guideline 401 osage caused no mortality					
Acute	inhalation toxicity	Exposure tim Test atmosp Method: OPI Assessment tion toxicity	nale and female): > 1.9 mg/l ne: 4 h here: dust/mist P 81-3 Acute Inhalation Toxicity The substance or mixture has no acute inhala- psage caused no mortality					
Acute	e dermal toxicity	Method: OE	nale and female): > 5,000 mg/kg CD Test Guideline 402 osage caused no mortality					



Calcium Petroleum Sulfonate:Acute oral toxicity:LD50 (Rat, male and female): > 5,000 mg/kg Remarks: No mortality observed at this dose.Acute inhalation toxicity:LC50 (Rat, male and female): > 1.9 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OPP 81-3 Acute Inhalation Toxicity Assessment: The substance or mixture has no acute inhala- tion toxicity Remarks: Dosage caused no mortalityAcute dermal toxicity:LD50 (Rat, male and female): > 5,000 mg/kg Method: OECD Test Guideline 402 Remarks: Dosage caused no mortalityDistillates (petroleum), hydrotreated light 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 productAcute 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: yeg Resensment: The substance or mixture has no acute inhala- tion toxicity Remarks: Test results on an analogous productAcute dermal toxicity:LC50 (Rat, male and female): > 5,53 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 GLP: yeg Remarks: Test results on an analogous productAcute dermal toxicity:LD50 (Rabbit, male and female): > 5,000 mg/kg Method: OECD Test Guideline 403 GLP: yegAcute dermal toxicity:LD50 (Rabbit, male and female): > 5,000 mg/kg Method: OECD Test Guideline 403 GLP: yegAcute dermal toxicity:LD50 (Rabbit, male and female): > 5,000 mg/kg Method: OECD Test Guideline 402 GLP: yegSkin corrosion/irritation.: <th>Vers 1.0</th> <th>ion Revision Date: 10/31/2022</th> <th></th> <th>9S Number: 3000010742</th> <th>Date of last issue: - Country / Language: US / EN</th>	Vers 1.0	ion Revision Date: 10/31/2022		9S Number: 3000010742	Date of last issue: - Country / Language: US / EN
Remarks: No mortality observed at this dose.Acute inhalation toxicity: LC50 (Rat, male and female): > 1.9 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OPP 81-3 Acute Inhalation Toxicity Assessment: The substance or mixture has no acute inhala- tion toxicity Remarks: Dosage caused no mortalityAcute dermal toxicity: LD50 (Rat, male and female): > 5,000 mg/kg Method: OECD Test Guideline 402 Remarks: Dosage caused no mortalityDistillates (petroleum), hydrotreated light 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 productAcute inhalation toxicity: LC50 (Rat, male and female): > 5,000 mg/kg 		Calcium Petroleum Sulfonat	te:		
Exposure time: 4 h Test atmosphere: dust/mist Method: OPP 81-3 Acute Inhalation Toxicity Assessment: The substance or mixture has no acute inhala- tion toxicity Remarks: Dosage caused no mortalityAcute dermal toxicity: LD50 (Rat, male and female): > 5,000 mg/kg Method: OECD Test Guideline 402 Remarks: Dosage caused no mortalityDistillates (petroleum), hydrotreated light 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 productAcute 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: yes Assessment: The substance or mixture has no acute inhala- tion toxicityAcute dermal toxicity: LC50 (Rat, male and female): > 5.53 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 inhala- tion toxicity Remarks: Test results on an analogous productAcute dermal toxicity: LD50 (Rabbit, male and female): > 5,000 mg/kg Method: OECD Test Guideline 403 GLP: yesAcute dermal toxicity: LD50 (Rabbit, male and female): > 5,000 mg/kg Method: OECD Test Guideline 402 GLP: yesSkin corrosion/irritation: LD50 (Rabbit, male and female): > 5,000 mg/kg Method: OECD Test Guideline 402 GLP: yes		Acute oral toxicity	:		
Method: OECD Test Guideline 402 Remarks: Dosage caused no mortality         Distillates (petroleum), hydrotreated light 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         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: yes Assessment: The substance or mixture has no acute inhala- tion toxicity Remarks: Test results on an analogous product         Acute dermal toxicity       : LD50 (Rabbit, male and female): > 5,000 mg/kg Method: OECD Test Guideline 403 GLP: yes         Acute dermal toxicity       : LD50 (Rabbit, male and female): > 5,000 mg/kg Method: OECD Test Guideline 402 GLP: yes         Skin corrosion/irritation       : LD50 (Rabbit, male and female): > 5,000 mg/kg		Acute inhalation toxicity	:	Exposure time: 4 Test atmosphere: Method: OPP 81- Assessment: The tion toxicity	h dust/mist 3 Acute Inhalation Toxicity substance or mixture has no acute inhala-
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 productAcute 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: yes Assessment: The substance or mixture has no acute inhala- tion toxicity Remarks: Test results on an analogous productAcute dermal toxicity: LD50 (Rabbit, male and female): > 5,000 mg/kg Method: OECD Test Guideline 403 GLP: yes Assessment: The substance or mixture has no acute inhala- tion toxicity Remarks: Test results on an analogous productAcute dermal toxicity: LD50 (Rabbit, male and female): > 5,000 mg/kg Method: OECD Test Guideline 402 GLP: yesSkin corrosion/irritation:		Acute dermal toxicity	:	Method: OECD To	est Guideline 402
Method: OECD Test Guideline 401 GLP: yes Remarks: Test results on an analogous productAcute 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: yes Assessment: The substance or mixture has no acute inhala- tion toxicity Remarks: Test results on an analogous productAcute dermal toxicity: LD50 (Rabbit, male and female): > 5,000 mg/kg Method: OECD Test Guideline 402 GLP: yesSkin corrosion/irritation: LD50 (Rabbit, male and female): > 5,000 mg/kg		Distillates (petroleum), hydr	otro	eated light paraffi	nic:
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         Remarks: 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		Acute oral toxicity	:	Method: OECD To GLP: yes	est Guideline 401
Method: OECD Test Guideline 402 GLP: yes Skin corrosion/irritation		Acute inhalation toxicity	:	Exposure time: 4 Test atmosphere: Method: OECD To GLP: yes Assessment: The tion toxicity	h dust/mist est Guideline 403 substance or mixture has no acute inhala-
		Acute dermal toxicity	:	Method: OECD To	
Components:		<u>Components:</u>			
2-Amino-2-Methyl-1-Propanol:		2-Amino-2-Methyl-1-Propan	ol:		
Result : Irritating to skin.		Result	:	Irritating to skin.	
2,2'-(octylimino)bisethanol:		2,2'-(octylimino)bisethanol:			
Species : Rabbit		Species	:	Rabbit	
Exposure time : 4 h Method : OECD Test Guideline 404			:		
Result : irritating			:		лите <del>404</del>



sion	Revision Date: 10/31/2022	SDS Number: 203000010742	Date of last issue: - Country / Language: US / EN
GLP		: yes	
Sodiu	ım Petroleum Sulph	onates:	
Speci	es	: Rabbit	
	sure time	: 72 h	
-	ssment	: No skin irritatior	n
Metho	bd	: Draize Test	
Resul	t	: No skin irritatior	n
Benz	enesulfonic acid, C1	I0-16-alkyl derivs., cal	cium salts:
Speci	es	: Rabbit	
	sure time	: 4 h	
Metho		: OECD Test Gui	ideline 404
Resul	t	: No skin irritatior	n
ALCO	HOLS, C16-18 AND	C18-UNSATURATED	, ETHOXYLATED:
Speci	es	: Rabbit	
Metho		: OECD Test Gui	ideline 404
		1 14 14 14 14	
Resul	t	: Irritating to skin	
		: Irritating to skin ydrotreated light naph	
	lates (petroleum), h	-	
Distil	<b>lates (petroleum), h</b> y es	ydrotreated light naph	thenic:
<b>Distil</b> Speci	<b>lates (petroleum), h</b> y es od	ydrotreated light naph : Rabbit	ithenic: ideline 404
<b>Distil</b> Speci Metho Resul GLP	<b>lates (petroleum), h</b> es od t	ydrotreated light naph : Rabbit : OECD Test Gui : No skin irritatior : yes	<b>ithenic:</b> ideline 404 ก
<b>Distil</b> Speci Metho Resul	<b>lates (petroleum), h</b> es od t	ydrotreated light naph : Rabbit : OECD Test Gui : No skin irritatior : yes	ithenic: ideline 404
<b>Distil</b> Speci Metho Resul GLP Rema	<b>lates (petroleum), h</b> es od t t	ydrotreated light naph : Rabbit : OECD Test Gui : No skin irritatior : yes	<b>ithenic:</b> ideline 404 ո an analogous product
<b>Distil</b> Speci Metho Resul GLP Rema	<b>lates (petroleum), h</b> y es od t arks <b>enesulfonic acid, m</b> e	ydrotreated light naph : Rabbit : OECD Test Gui : No skin irritation : yes : Test results on	<b>ithenic:</b> ideline 404 ո an analogous product
Distil Speci Metho Resul GLP Rema	lates (petroleum), hy es od t arks enesulfonic acid, me es	ydrotreated light naph : Rabbit : OECD Test Gui : No skin irritation : yes : Test results on ono-C16-24-alkyl deriv	ideline 404 n an analogous product <b>/s., calcium salts:</b>
Distill Speci Metho Resul GLP Rema Benzo Speci Resul	lates (petroleum), hy es od t arks enesulfonic acid, me es	ydrotreated light naph : Rabbit : OECD Test Gui : No skin irritation : yes : Test results on ono-C16-24-alkyl deriv : Rabbit : No skin irritation	ideline 404 n an analogous product <b>/s., calcium salts:</b>
Distill Speci Metho Resul GLP Rema Benzo Speci Resul	lates (petroleum), hy es od t arks <b>enesulfonic acid, m</b> e es t u <b>m Petroleum Sulfo</b>	ydrotreated light naph : Rabbit : OECD Test Gui : No skin irritation : yes : Test results on ono-C16-24-alkyl deriv : Rabbit : No skin irritation	ideline 404 n an analogous product <b>/s., calcium salts:</b>
Distill Speci Metho Resul GLP Rema Benzo Speci Resul	lates (petroleum), hy es od t arks enesulfonic acid, me es t um Petroleum Sulfo es	ydrotreated light naph : Rabbit : OECD Test Gui : No skin irritation : yes : Test results on ono-C16-24-alkyl deriv : Rabbit : No skin irritation nate:	nthenic: ideline 404 n an analogous product <b>/s., calcium salts:</b> n
Distill Speci Metho Resul GLP Rema Benzo Speci Resul Calcio Speci	lates (petroleum), hy es od t arks enesulfonic acid, me es t um Petroleum Sulfo es od	ydrotreated light naph : Rabbit : OECD Test Gui : No skin irritation : yes : Test results on ono-C16-24-alkyl deriv : Rabbit : No skin irritation nate: : Rabbit	ideline 404 n an analogous product <b>/s., calcium salts:</b> n
Distill Speci Metho Resul GLP Rema Benzo Speci Resul Calcin Speci Resul	<b>lates (petroleum), h</b> y es od t arks <b>enesulfonic acid, m</b> e es t <b>um Petroleum Sulfo</b> es od t	ydrotreated light naph : Rabbit : OECD Test Gui : No skin irritation : yes : Test results on ono-C16-24-alkyl deriv : Rabbit : No skin irritation nate: : Rabbit : OECD Test Gui	ideline 404 n an analogous product <b>/s., calcium salts:</b> n
Distill Speci Metho Resul GLP Rema Benzo Speci Resul Calcin Speci Metho Resul Distil	lates (petroleum), hy es od t arks enesulfonic acid, me es t um Petroleum Sulfo es od t lates (petroleum), hy	ydrotreated light naph : Rabbit : OECD Test Gui : No skin irritation : yes : Test results on ono-C16-24-alkyl deriv : Rabbit : No skin irritation nate: : Rabbit : OECD Test Gui : No skin irritation	ideline 404 n an analogous product <b>/s., calcium salts:</b> n
Distill Speci Metho Resul GLP Rema Benzo Speci Resul Calcin Speci Resul	lates (petroleum), hy es od t arks enesulfonic acid, me es t um Petroleum Sulfo es od t lates (petroleum), hy es	ydrotreated light naph : Rabbit : OECD Test Gui : No skin irritation : yes : Test results on ono-C16-24-alkyl deriv : Rabbit : No skin irritation nate: : Rabbit : OECD Test Gui : No skin irritation ydrotreated light parat	ideline 404 n an analogous product <b>/s., calcium salts:</b> n
Distill Speci Metho Resul GLP Rema Benza Speci Resul Calcia Speci Metho Resul Distill Speci	lates (petroleum), hy es od t arks enesulfonic acid, me es t um Petroleum Sulfo es od t lates (petroleum), hy es od	ydrotreated light naph : Rabbit : OECD Test Gui : No skin irritation : yes : Test results on ono-C16-24-alkyl deriv : Rabbit : No skin irritation nate: : Rabbit : OECD Test Gui : No skin irritation ydrotreated light paraf : Rabbit	an analogous product <b>vs., calcium salts:</b> n ideline 404 n ffinic:
Distill Speci Metho Resul GLP Rema Benzo Speci Resul Calcio Speci Metho Resul Distill Speci Metho	lates (petroleum), hy es od t arks enesulfonic acid, me es t um Petroleum Sulfo es od t lates (petroleum), hy es od t	ydrotreated light naph : Rabbit : OECD Test Gui : No skin irritation : yes : Test results on ono-C16-24-alkyl deriv : Rabbit : No skin irritation nate: : Rabbit : OECD Test Gui : No skin irritation ydrotreated light paraf : Rabbit : Rabbit : Draize Test	an analogous product <b>vs., calcium salts:</b> n ideline 404 n ffinic:



rsion	Revision Date: 10/31/2022	SDS Number: 203000010742	Date of last issue: - Country / Language: US / EN
Serio	us eye damage/eye	irritation	
	es serious eye irritatio		
Produ	•		
-		. Instation to	
Rema	ssment	: Irritating to : Expert judg	
Reme			ginoin
<u>Com</u>	oonents:		
2-Am	ino-2-Methyl-1-Prop	anol:	
Resul	t	: Irritating to	eyes.
2,2'-(0	octylimino)bisethan	ol:	
Speci	es	: Rabbit	
Resul			effects on the eye
	sure time	: 24 h	
Metho	bd		t Guideline 405
GLP		: yes	
Sodium Petroleum Sulpho		onates:	
		: Rabbit	
Resul	t	: Eye irritatio	on
Benzenesulfonic acid, C10		0-16-alkyl derivs	., calcium salts:
Speci	es	: Rabbit	
Resul	t	: No eye irrit	ation
Metho	bd	: OECD Tes	t Guideline 405
GLP		: yes	
ALCO	HOLS, C16-18 AND	C18-UNSATURA	TED, ETHOXYLATED:
Rema	arks	: Non-irritati	ng
Distil	lates (petroleum), hy	drotreated light	naphthenic:
Speci	es	: Rabbit	
Resul		: No eye irrit	ation
Metho	bd	: OECD Tes	t Guideline 405
GLP		: yes	
Rema	arks	: Test result	s on an analogous product
Benz	enesulfonic acid, mo	ono-C16-24-alkyl	derivs., calcium salts:
Speci	es	: Rabbit	
Resul		: No eye irrit	ation
		,	

# ADDITIN RC 4955



Version 1.0	Revision Date: 10/31/2022		DS Number: 3000010742	Date of last issue: - Country / Language: US / EN
Calci	um Petroleum Sulfo	nate:		
Speci	es	:	Rabbit	
Resul	t	:	No eye irritation	
Distil	lates (petroleum), hy	drotro	eated light paraffi	nic:
Speci	es	:	Rabbit	
Resul	t	:	No eye irritation	
Metho	bd	:	OECD Test Guide	eline 405
GLP		:	yes	
Rema	arks	:	Test results on ar	n analogous product

### Respiratory or skin sensitization

### Skin sensitization

May cause an allergic skin reaction.

### **Respiratory sensitization**

Not classified based on available information.

### **Components:**

### 2-Amino-2-Methyl-1-Propanol:

Test Type	:	Buehler Test
Routes of exposure	:	Skin contact
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	Did not cause sensitization on laboratory animals.
GLP	:	no

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

Routes of exposure	:	Skin contact
Species	:	Guinea pig
Result	:	Did not cause sensitization on laboratory animals.

#### 2,2'-(octylimino)bisethanol:

Test Type	:	Maximization Test
Routes of exposure	:	Skin contact
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	Not a skin sensitizer.
GLP	:	yes

### Sodium Petroleum Sulphonates:

Routes of exposure	:	Dermal
Species	:	Humans
Assessment	:	Does not cause skin sensitization.
Result	:	negative



1	Revision Date: 10/31/2022	SDS Number: 203000010742	Date of last issue: - Country / Language: US / EN
Benze	enesulfonic acid, C1	0-16-alkyl derivs., ca	Icium salts:
Route	s of exposure	: Dermal	
Speci		: Guinea pig	
Resul	t	: The product is	a skin sensitiser, sub-category 1B.
Test T	Гуре	: Buehler Test	
	s of exposure	: Skin contact	
Speci		: Guinea pig	
Resul	t	: The product is	a skin sensitiser, sub-category 1B.
ALCO	HOLS, C16-18 AND	C18-UNSATURATED	), ETHOXYLATED:
Rema	irks	: Non-sensitizer	to skin.
Distill	lates (petroleum), h	ydrotreated light nap	hthenic:
Test T		: Buehler Test	
	s of exposure	: Skin contact	
Specie		: Guinea pig	idalia 400
Metho		: OECD Test Gu	
Resul GLP	l	: yes	sensitization on laboratory animals.
Benze			
Test T	es od	: Local lymph no : Dermal : Mouse : OECD Test Gu : The product is	
Test 1 Route Specie Metho Resul	es od t	: Dermal : Mouse : OECD Test Gu : The product is	uideline 429
Test T Route Specie Metho Result	es od t um Petroleum Sulfo	: Dermal : Mouse : OECD Test Gu : The product is	uideline 429
Test T Route Specie Metho Result <b>Calcie</b> Route	es od t um Petroleum Sulfo es of exposure	: Dermal : Mouse : OECD Test Gu : The product is nate: : Dermal	uideline 429
Test T Route Specie Metho Result <b>Calcie</b> Route	es od t um Petroleum Sulfo es of exposure es	: Dermal : Mouse : OECD Test Gu : The product is nate: : Dermal : Guinea pig	uideline 429
Test 1 Route Specia Metho Result <b>Calciu</b> Route Specia Result	es od t um Petroleum Sulfo es of exposure es t	: Dermal : Mouse : OECD Test Gu : The product is nate: : Dermal : Guinea pig : The product is	uideline 429 a skin sensitiser, sub-category 1B. a skin sensitiser, sub-category 1B.
Test T Route Specia Metho Result Route Specia Result Distill	is of exposure es od t u <b>m Petroleum Sulfo</b> es of exposure es t lates (petroleum), hy	: Dermal : Mouse : OECD Test Gu : The product is nate: : Dermal : Guinea pig : The product is	uideline 429 a skin sensitiser, sub-category 1B. a skin sensitiser, sub-category 1B.
Test 1 Route Specia Metho Result Route Specia Result Distill Test 1	is of exposure es od t um Petroleum Sulfo es of exposure es t lates (petroleum), hy	: Dermal : Mouse : OECD Test Gu : The product is nate: : Dermal : Guinea pig : The product is ydrotreated light para : Buehler Test	uideline 429 a skin sensitiser, sub-category 1B. a skin sensitiser, sub-category 1B.
Test 1 Route Specia Metho Result Route Specia Result Distill Test 1 Route	is of exposure es od t um Petroleum Sulfo es of exposure es t lates (petroleum), hy Type es of exposure	: Dermal : Mouse : OECD Test Gu : The product is nate: : Dermal : Guinea pig : The product is ydrotreated light para : Buehler Test : Skin contact	uideline 429 a skin sensitiser, sub-category 1B. a skin sensitiser, sub-category 1B.
Test 1 Route Specia Metho Result Route Specia Result Distill Test 1	is of exposure es od t um Petroleum Sulfo es of exposure es t lates (petroleum), hy Type es of exposure es	<ul> <li>Dermal</li> <li>Mouse</li> <li>OECD Test Gu</li> <li>The product is</li> </ul> nate: <ul> <li>Dermal</li> <li>Guinea pig</li> <li>The product is</li> </ul> ydrotreated light para <ul> <li>Buehler Test</li> <li>Skin contact</li> <li>Guinea pig</li> </ul>	uideline 429 a skin sensitiser, sub-category 1B. a skin sensitiser, sub-category 1B.
Test T Route Specia Result Calciu Route Specia Result Distill Test T Route Specia	es of exposure es od t um Petroleum Sulfo es of exposure es t lates (petroleum), hy Type es of exposure es od	<ul> <li>Dermal</li> <li>Mouse</li> <li>OECD Test Gu</li> <li>The product is</li> </ul> nate: <ul> <li>Dermal</li> <li>Guinea pig</li> <li>The product is</li> </ul> ydrotreated light para <ul> <li>Buehler Test</li> <li>Skin contact</li> <li>Guinea pig</li> <li>OECD Test Gu</li> </ul>	uideline 429 a skin sensitiser, sub-category 1B. a skin sensitiser, sub-category 1B.
Test 1 Route Specia Result Calciu Route Specia Result Distill Test 1 Route Specia Metho	es of exposure es od t um Petroleum Sulfo es of exposure es t lates (petroleum), hy Type es of exposure es od	<ul> <li>Dermal</li> <li>Mouse</li> <li>OECD Test Gu</li> <li>The product is</li> </ul> nate: <ul> <li>Dermal</li> <li>Guinea pig</li> <li>The product is</li> </ul> ydrotreated light para <ul> <li>Buehler Test</li> <li>Skin contact</li> <li>Guinea pig</li> <li>OECD Test Gu</li> <li>Did not cause si</li> </ul>	uideline 429 a skin sensitiser, sub-category 1B. a skin sensitiser, sub-category 1B. <b>Affinic:</b>

# **ADDITIN RC 4955**



Vers 1.0	sion	Revision Date: 10/31/2022		9S Number: 3000010742	Date of last issue: - Country / Language: US / EN
	Compo	nents:			
	2-Amine	o-2-Methyl-1-Propan	ol:		
	Genotox	kicity in vitro	:	Metabolic activati	test monella typhimurium on: with and without metabolic activation est Guideline 471
				Test system: mou Metabolic activati	nosome aberration test in vitro use lymphoma cells ion: with and without metabolic activation fest Guideline 476
	Genotox	kicity in vivo	:	Cell type: Bone m Application Route	(male and female) narrow
	Distillat	es (petroleum), solv	ent-	refined heavy pa	raffinic:
	Genoto	kicity in vitro	:		teria on: with and without metabolic activation est Guideline 471
	2,2'-(oc	tylimino)bisethanol:			
	Genotox	kicity in vitro	:	Test system: Chi Metabolic activati	o mammalian cell gene mutation test nese hamster lung cells ion: with and without metabolic activation rest Guideline 476
				Metabolic activati	test monella typhimurium on: with and without metabolic activation est Guideline 471
	Genotox	kicity in vivo	:	Test Type: Microi Species: mice (m Strain: NMRI	ale and female)
				16 / 35	



Version 1.0	Revision Date: 10/31/2022	SDS Number: 203000010742	Date of last issue: - Country / Language: US / EN
			ute: Intraperitoneal injection ) Test Guideline 474
	n cell mutagenicity - ssment	: In vitro tests di not show muta	d not show mutagenic effects, In vivo tests did genic effects
Benz	zenesulfonic acid, C1	0-16-alkyl derivs., ca	lcium salts:
Geno	otoxicity in vitro	Test system: n Metabolic activ Method: OECI Result: negativ GLP: yes	vitro mammalian cell gene mutation test house lymphoma cells vation: with and without metabolic activation D Test Guideline 476 ve
		Metabolic activ Method: OECI Result: negativ GLP: yes	Calmonella typhimurium vation: with and without metabolic activation D Test Guideline 471
Geno	otoxicity in vivo		ute: Oral
Disti	llates (petroleum), hy	drotreated light nap	hthenic:
	otoxicity in vitro	: Test Type: Am Test system: T Metabolic activ Method: OECI Result: equivo GLP: No inforr	es test A98 vation: with and without metabolic activation D Test Guideline 471 cal nation available. rmation given is based on data obtained from
		Test system: C Metabolic activ	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: 10/31/2022	SDS Number: 203000010742	Date of last issue: - Country / Language: US / EN
		Remarks: Info similar substa	rmation given is based on data obtained from nces.
		Test system: r Metabolic activ Method: OECI Result: equivo GLP: yes	rmation given is based on data obtained from
Geno	toxicity in vivo	Species: Mous Application Ro Method: OECI Result: negati GLP: No infor	cronucleus test se (male and female) oute: Intraperitoneal D Test Guideline 474 ve mation available. t results on an analogous product
Benz	enesulfonic acid, m	ono-C16-24-alkyl der	ivs., calcium salts:
Geno	toxicity in vitro	Test system: E Metabolic activ	vation: with and without metabolic activation D Test Guideline 471
		Test system: r Metabolic activ	vitro mammalian cell gene mutation test nouse lymphoma cells vation: with and without metabolic activation D Test Guideline 476 ve
Calci	um Petroleum Sulfo	onate:	
Geno	toxicity in vitro	Test system: E Metabolic activ Method: OECI Result: negativ	vation: with and without metabolic activation D Test Guideline 471
		Test system: r Metabolic acti Method: OECI Result: negati	vitro mammalian cell gene mutation test nouse lymphoma cells vation: with and without metabolic activation D Test Guideline 476 ve t results on an analogous product

### ADDITIN RC 4955



Version 1.0	Revision Date: 10/31/2022	SDS Number: 203000010742	Date of last issue: - Country / Language: US / EN
Disti	llates (petroleum), hyd	rotreated light paraf	finic:
	otoxicity in vitro	: Test Type: Ame Test system: TA Metabolic activa Method: OECD Result: Conflicti Remarks: In ana products.	is test A98 ation: with metabolic activation Test Guideline 471 ng results have been seen in different studies. alogy to test results for similarly composed
		Test system: Ch Metabolic activa Method: OECD Result: negative GLP: no	pmosome aberration test in vitro ninese hamster ovary cells nition: with and without metabolic activation Test Guideline 473 e results on an analogous product
		Test system: mo Metabolic activa Method: OECD Result: negative GLP: yes	tro mammalian cell gene mutation test puse lymphoma cells ation: with and without metabolic activation Test Guideline 476 e results on an analogous product
Genc	otoxicity in vivo	Application Rou Method: OECD Result: negative GLP: No informa	e (male and female) te: Intraperitoneal Test Guideline 474 e
	inogenicity lassified based on avail	able information.	
Com	ponents:		
	llates (petroleum), solv nogenicity - Assess-	: Classified based	araffinic: d on DMSO extract content < 3% (Regulation , Annex VI, Part 3, Note L)
ment		(LC) 1212/2000	, ATTER VI, FAILS, NOLE L
	llates (petroleum), hyd	• .	
Carci ment	nogenicity - Assess-		d on DMSO extract content < 3% (Regulation , Annex VI, Part 3, Note L)

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

Species	: Mouse, female
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# ADDITIN RC 4955

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Versior 1.0	n Revisio 10/31/2	on Date: 2022	 9S Number: 3000010742	Date of last issue: - Country / Language: US / EN
E) Mi Re GI Re Ca	oplication Rou (posure time ethod esult _P emarks arcinogenicity ent		 Classified based of	
IA	RC			at levels greater than or equal to 0.1% is onfirmed human carcinogen by IARC.
0	SHA	•	this product preser regulated carcinog	nt at levels greater than or equal to 0.1% is ens.
N	ГР			at levels greater than or equal to 0.1% is carcinogen by NTP.
D	productivo	tovicity		

### **Reproductive toxicity**

Not classified based on available information.

### **Components:**

### 2,2'-(octylimino)bisethanol:

Effects on fertility	<ul> <li>Test Type: reproductive and developmental toxicity study Species: Rat, male and female Strain: wistar</li> <li>Application Route: Oral</li> <li>Dose: 0,20,80,320 milligram per kilogram</li> <li>Duration of Single Treatment: 54 d</li> <li>General Toxicity Parent: NOAEL: 320 mg/kg body weight</li> </ul>
	General Toxicity F1: NOAEL: 320 mg/kg body weight
	Method: OECD Test Guideline 421
	GLP: yes
	Remarks: Animal testing did not show any effects on fertility.
Benzenesulfonic acid, C	C10-16-alkyl derivs., calcium salts:
Effects on fertility	: Species: Rat, male and female Application Route: Oral

	Application Route: Oral
	Duration of Single Treatment: 28 Days
	General Toxicity Parent: NOAEL: >= 500 mg/kg body weight
	Fertility: NOAEL: >= 500 mg/kg body weight
	Method: OECD Test Guideline 415
	GLP: yes
	Remarks: Test results on an analogous product

20 / 35

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

Effects on fertility : Test Type: Fertility/early embryonic development



Species: Rat, male and female Application Route: Oral Dose: 1000 milligram per kilogram General Toxicity Parent: NOAEL: >= 1,000 mg/kg bw/day Early Embryonic Development: NOAEL: >= 1,000 mg/kg bw/day Method: OECD Test Guideline 421 Result: No effects on fertility and early embryonic develo ment were detected. GLP: yes Remarks: Test results on an analogous product Distillates (petroleum), hydrotreated light paraffinic: Effects on fertility : Test Type: Fertility/early embryonic development Species: Rat, male and female Application Route: Oral Dose: 1000 milligram per kilogram General Toxicity Parent: NOAEL: >= 1,000 mg/kg body ve Fertility: No AEL: >= 1,000 mg/kg body weight Method: OECD Test Guideline 421 Result: No effects on fertility and early embryonic development Species: Rat, male and female Application Route: Oral Dose: 1000 milligram per kilogram General Toxicity Parent: NOAEL: >= 1,000 mg/kg body ve Fertility: NOAEL: >= 1,000 mg/kg body weight Method: OECD Test Guideline 421 Result: No effects on fertility and early embryonic development Species: Rat, female Application Route: Dermal Dose: 125 - 500 - 2000 milligram per kilogram General Toxicity Maternal: LOAEL: 125 mg/kg body weight Developmental Toxicity: NOAEL: >= 2,000 mg/kg body ve Method: OECD Test Guideline 414 Result: negative GLP: yes Remarks: Test results on an analogous product STOT-single exposure Not classified based on available information. Components:	
Effects on fertility: Test Type: Fertility/early embryonic development Species: Rat, male and female Application Route: Oral Dose: 1000 milligram per kilogram General Toxicity Parent: NOAEL: >= 1,000 mg/kg body v Fertility: NOAEL: >= 1,000 mg/kg body veight Method: OECD Test Guideline 421 Result: No effects on fertility and early embryonic development were detected. GLP: yes Remarks: Test results on an analogous productEffects on fetal development Species: Rat, female Application Route: Dermal Dose: 125 - 500 - 2000 milligram per kilogram General Toxicity NAEL: >= 2,000 mg/kg body weight Developmental Toxicity: NOAEL: >= 2,000 mg/kg	
Species: Rat, male and female         Application Route: Oral         Dose: 1000 milligram per kilogram         General Toxicity Parent: NOAEL: >= 1,000 mg/kg body w         Fertility: NOAEL: >= 1,000 mg/kg body weight         Method: OECD Test Guideline 421         Result: No effects on fertility and early embryonic develo         ment were detected.         GLP: yes         Remarks: Test results on an analogous product         Effects on fetal development         Species: Rat, female         Application Route: Dermal         Dose: 125 - 500 - 2000 milligram per kilogram         General Toxicity Maternal: LOAEL: 125 mg/kg body weight         Developmental Toxicity: NOAEL: >= 2,000 mg/kg body weight         Remarks: Test results on an analogous product	
Species: Rat, female Application Route: Dermal Dose: 125 - 500 - 2000 milligram per kilogram General Toxicity Maternal: LOAEL: 125 mg/kg body weight Teratogenicity: NOAEL: >= 2,000 mg/kg body weight Developmental Toxicity: NOAEL: >= 2,000 mg/kg body w Method: OECD Test Guideline 414 Result: negative GLP: yes Remarks: Test results on an analogous product <b>STOT-single exposure</b> Not classified based on available information.	-
Not classified based on available information.	
<u>Components:</u>	
Distillates (petroleum), solvent-refined heavy paraffinic: Assessment : May cause respiratory irritation.	
2,2'-(octylimino)bisethanol:	
Assessment : The substance or mixture is not classified as specific targorgan toxicant, single exposure.	jet



rsion )	Revision Date: 10/31/2022	SDS Number: 203000010742	Date of last issue: - Country / Language: US / EN
Distil	lates (petroleum), hy	drotreated light napl	nthenic:
Asses	ssment	: May cause resp	piratory irritation.
Distil	lates (petroleum), hy	drotreated light para	ffinic:
Asses	ssment	: May cause resp	piratory irritation.
STOT	-repeated exposure		
Not cl	assified based on ava	ailable information.	
Com	oonents:		
2,2'-(0	octylimino)bisethan	ol:	
Asses	ssment		or mixture is not classified as specific target repeated exposure.
Repe	ated dose toxicity		
<u>Comp</u>	oonents:		
Distil	lates (petroleum), so	olvent-refined heavy p	paraffinic:
Speci	es	: Rabbit, male ar	nd female
NOAE		: > 1,000 mg/kg	
	cation Route	: Skin contact	
	sure time	: 28 d	
	per of exposures	: 5 days/week	
Rema	arks	: Chronic toxicity	,
Speci		: Rat, male and f	emale
NOAE		: 0.21 mg/l	
	cation Route	: Inhalation	
	sure time	: 28 d	
Rema	arks	: Chronic toxicity	,
2,2'-(0	octylimino)bisethan	ol:	
Speci	es	: Rat, male and f	emale
NOAE		: 500 mg/kg	
Applic	cation Route	: Oral	
	sure time	: 28 d	
Numb	per of exposures	: daily	
Dose	-	: 20,100,500	
Contr	ol Group	: yes	
Metho	bd	: OECD Test Gu	ideline 407
GLP		: yes	
-	arks	· No adverse eff	ect has been observed in chronic toxicity tes



ersion 0	Revision Date: 10/31/2022	SDS Number:Date of last issue: -203000010742Country / Language: US / EN
Benzo	enesulfonic acid, C <sup>2</sup>	10-16-alkyl derivs., calcium salts:
Speci		: Rat, male and female
NOAE		: 500 mg/kg
Applic	cation Route	: Oral
	sure time	: 28 Days
	er of exposures	: daily
Metho	-	: OECD Test Guideline 407
GLP		: yes
Rema	ırks	: Test results on an analogous product
Distil	lates (petroleum), h	ydrotreated light naphthenic:
Speci	es	: Rat, male
LOAE		: 125 mg/kg
-	ation Route	: Oral
	sure time	: 90 d
	er of exposures	: daily
Dose	I	: 125 - 500 mg/kg bw/d
Metho	bd	: OECD Test Guideline 408
GLP		: No information available.
Rema	ırks	: Test results on an analogous product
Distil	lates (petroleum), h	ydrotreated light paraffinic:
Speci	es	: Rat, male
LÒAE	Ľ	: 125 mg/kg
Applic	ation Route	: Oral
Expos	sure time	: 90 d
Dose		: 125 - 500 mg/kg bw/d
Metho	bd	: OECD Test Guideline 408
GLP		: No information available.
Rema	ırks	: Subchronic toxicity
		Test results on an analogous product
Speci		: Rat, male and female
NOAE		$\Rightarrow 980 \text{ mg/m}^3$
	ation Route	: Inhalation : dust/mist
	atmosphere	
Dose	sure time	: 28 d : 50 - 220 - 980 mg/m3
Metho	od.	: OECD Test Guideline 412
GLP	Ju	: No information available.
Rema	urke	: Subacute toxicity
Kenie		Test results on an analogous product
Speci		: Rabbit, male and female
NOAE		: 1,000 mg/kg
	ation Route	: Skin contact
	sure time	: 28 d
Dose		: 200 - 1000 - 2000 mg/kg bw/d
Metho		: OECD Test Guideline 410

# **ADDITIN RC 4955**



ersion 0	Revision Date: 10/31/2022		OS Number: 3000010742	Date of last issue: - Country / Language: US / EN
GLP Rema	arks	:	yes Subacute toxicity Test results on a	n analogous product
•	ration toxicity lassified based on availa	able	information.	
<u>Com</u>	ponents:			
	lates (petroleum), hydr be fatal if swallowed and			henic:
	lates (petroleum), hydr be fatal if swallowed and		• •	inic:
Furth	er information			
Prod	uct:			
Rema	arks	:	No data available	
	oxicity ponents:			
2-Am	ino-2-Methyl-1-Propan	ol:		
	<b>Disticology Assessment</b> nic aquatic toxicity		Harmful to aquati	c life with long lasting effects.
	lates (petroleum), solv ity to fish			<b>raffinic:</b> chus mykiss (rainbow trout)): > 5,000 mg/l
TUXIC		•	Exposure time: 9	
	ity to daphnia and other tic invertebrates	:	EC50 (Daphnia n Exposure time: 4	nagna (Water flea)): > 1,000 mg/l 8 h
Toxic plants	ity to algae/aquatic S	:	EC50 (Desmode: mg/l Exposure time: 9	smus subspicatus (green algae)): > 1,000 6 h
2,2'-(	octylimino)bisethanol:			
Toxic	ity to fish	:	LC50 (Danio rerio End point: mortal	

Exposure time: 96 h

# ADDITIN RC 4955

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Version 1.0	Revision Date: 10/31/2022		lumber: 0010742	Date of last issue: - Country / Language: US / EN	
		Me	st Type: semi-s ethod: OECD Te .P: yes	tatic test est Guideline 203	
	cicity to daphnia and other natic invertebrates	En Ex Te Me	d point: Immob posure time: 48 st Type: static t	h	
To» plai	ricity to algae/aquatic nts	En Ex Te Me	EC50 (Desmodesmus subspicatus (green algae)): 1.35 m End point: Growth rate Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes		
		En Ex Te Me	d point: Growth posure time: 72 st Type: static t	h	
То>	icity to microorganisms	En Ex Te Me	d point: Respira posure time: 3 st Type: static t	1	
So	dium Petroleum Sulphon	ates			
	cicity to fish	: LC mg Ex	g/l posure time: 96	variegatus (sheepshead minnow)): > 10,000 h ktractable fraction	
	cicity to daphnia and other natic invertebrates	Ex	posure time: 48	agna (Water flea)): > 1,000 mg/l h xtractable fraction	
Bei	nzenesulfonic acid, C10-	16-alkv	l derivs., calciu	ım salts:	
	cicity to fish	: LL 10 En Ex An	50 (Cyprinodon ,000 mg/l d point: mortalit posure time: 96 alytical monitor	variegatus (sheepshead minnow)): > y h	



aquatic inve			EL50 (Daphnia ma End point: Immobi Exposure time: 48 Analytical monitor Method: OPPTS 7 GLP: yes Remarks: water e: Test results on an	analogous product agna (Water flea)): > 1,000 mg/l ilization 3 h ing: yes 797.1300 xtractable fraction analogous product hneriella subcapitata (green algae)): > 1,000
aquatic inve	rtebrates		End point: Immobil Exposure time: 48 Analytical monitor Method: OPPTS 7 GLP: yes Remarks: water ex Test results on an EL50 (Pseudokirc mg/l End point: Growth	ilization h ing: yes 797.1300 xtractable fraction analogous product hneriella subcapitata (green algae)): > 1,000
•	lgae/aquatic	:	mg/l End point: Growth	
	Toxicity to algae/aquatic plants		GLP: yes Remarks: water e: Test results on an NOAEL (No obser ella subcapitata (g End point: Growth Exposure time: 96 Analytical monitor Method: OTS 797 GLP: yes Remarks: water e:	h ing: yes .1050 (Algal Toxicity, Tiers I and II) xtractable fraction analogous product ved adverse effect level) (Pseudokirchneri- green algae)): >= 1,000 mg/l rate b h ing: yes .1050 (Algal Toxicity, Tiers I and II)
Toxicity to m	nicroorganisms	:	EC50 (activated s End point: Respira Exposure time: 3 I Method: OECD Te Remarks: water et	h est Guideline 209
ALCOHOLS	6, C16-18 AND C1	8-U	NSATURATED, E	THOXYLATED:
Toxicity to fis				(zebra fish)): > 1 - 10 mg/l 5 h
Toxicity to da aquatic inve	aphnia and other rtebrates	:	EL50 (Daphnia): 5 Exposure time: 48 Method: OECD Te Remarks: Fresh w	8 h est Guideline 202
Toxicity to a	lgae/aquatic	:	EL50 (Pseudokirc	hneriella subcapitata (microalgae)): > 10

# ADDITIN RC 4955

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Vers 1.0	sion	Revision Date: 10/31/2022		9S Number: 3000010742	Date of last issue: - Country / Language: US / EN
	plants			mg/l Exposure time: 72 Method: OECD Te Remarks: Fresh w	est Guideline 201
	Ecotox	cicology Assessment			
		c aquatic toxicity	:	Toxic to aquatic lif	e with long lasting effects.
	Distilla	tes (petroleum), hydr	otre	eated light naphth	enic:
	Toxicity	<i>ı</i> to fish	:	LL50 (Pimephales Exposure time: 96 Analytical monitor Method: OECD Te GLP: yes Remarks: water e	ing: yes est Guideline 203
		/ to daphnia and other invertebrates	:	EL50 (Daphnia ma Exposure time: 48 Analytical monitor Method: OECD Te GLP: yes Remarks: water e	ing: yes est Guideline 202
	Toxicity plants	/ to algae/aquatic	:	mg/l End point: Growth Exposure time: 72 Analytical monitor Method: OECD Te GLP: No informati Remarks: water e Test results on an NOELR (Pseudok 100 mg/l End point: Growth Exposure time: 72 Analytical monitor Method: OECD Te GLP: No informati Remarks: water e	h ing: No information available. est Guideline 201 on available. xtractable fraction analogous product irchneriella subcapitata (green algae)): > rate h ing: No information available. est Guideline 201 on available.
		/ to daphnia and other invertebrates (Chron- ity)	:	End point: Reproc Exposure time: 21	d ing: No information available.

# ADDITIN RC 4955

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Remarks: water extractable fraction         Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts:         Toxicity to fish       :       LL50 (Cyprinodon variegatus (sheepshead minnow)): > 10,000 mg/l End point: mortality Exposure time: 96 h Method: OECD Test Guideline 203 Remarks: water extractable fraction         Toxicity to daphnia and other aquatic invertebrates       :       EL50 (Daphnia magna (Water flea)): > 1,000 mg/l End point: Immobilization Exposure time: 48 h Method: OPTS 797.1300 Remarks: water extractable fraction Test results on an analogous product         Toxicity to algae/aquatic plants       :       EL50 (Pseudokirchneriella subcapitata (microalgae)): > 1,000 mg/l End point: Growth rate Exposure time: 96 h Method: OTS 797.1050 (Algal Toxicity, Tiers I and II) Remarks: water extractable fraction Test results on an analogous product         Toxicity to microorganisms       :       EC50 (activated sludge): > 10,000 mg/l End point: Respiration inhibition Exposure time: 96 h Method: OTS 797.1050 (Algal Toxicity, Tiers I and II) Remarks: water extractable fraction Test results on an analogous product         Toxicity to microorganisms       :       EC50 (activated sludge): > 10,000 mg/l End point: Respiration inhibition Exposure time: 36 h Method: OECD Test Guideline 209         Calcium Petroleum Sulfonate:       :       LL50 (Cyprinodon variegatus (sheepshead minnow)): > 10,000 mg/l End point: mortality Exposure time: 36 h Test Type: static test Method: OECD Test Guideline 203 GLP: yes Remarks: water extractable fraction         Toxicity to fish       :       LL50 (Daphnia magna (Water flea)): > 1,000 mg	Versi 1.0	on Revision Date: 10/31/2022	SDS Number: 203000010742	Date of last issue: - Country / Language: US / EN
Toxicity to fish       :       LL50 (Cyprinodon variegatus (sheepshead minnow)): > 10,000 mg/l         End point: mortality       Exposure time: 96 h         Method: OECD Test Guideline 203         Remarks: water extractable fraction         Toxicity to daphnia and other         aquatic invertebrates         EL50 (Daphnia magna (Water flea)): > 1,000 mg/l         End point: Immobilization         Exposure time: 96 h         Method: OPETS 797.1300         Remarks: water extractable fraction         Toxicity to algae/aquatic         plants         :       EL50 (Pseudokirchneriella subcapitata (microalgae)): > 1,000         mg/l         End point: Growth rate         Exposure time: 96 h         Method: OTS 797.1050 (Algal Toxicity, Tiers I and II)         Remarks: water extractable fraction         Test results on an analogous product         NOEC (Pseudokirchneriella subcapitata (microalgae)): 1,000         mg/l         Exposure time: 96 h         Method: OTS 797.1050 (Algal Toxicity, Tiers I and II)         Remarks: water extractable fraction         Texticity to microorganisms       :         :       EC50 (activated sludge): > 10,000 mg/l         End point: Respiration inhibition       Exposure time: 3 h			Remarks: wa	ter extractable fraction
10,000 mg/l         End point: mortality         Exposure time: 96 h         Method: OECD Test Guideline 203         Remarks: water extractable fraction         Toxicity to daphnia and other         aquatic invertebrates         EL50 (Daphnia magna (Water flea)): > 1,000 mg/l         End point: Immobilization         Exposure time: 48 h         Method: OPTS 797.1300         Remarks: water extractable fraction         Toxicity to algae/aquatic         plants         EL50 (Pseudokirchneriella subcapitata (microalgae)): > 1,000 mg/l         End point: Growth rate         Exposure time: 96 h         Method: OTS 797.1050 (Algal Toxicity, Tiers I and II)         Remarks: water extractable fraction         Test results on an analogous product         NOEC (Pseudokirchneriella subcapitata (microalgae)): 1,000 mg/l         Exposure time: 96 h         Method: OTS 797.1050 (Algal Toxicity, Tiers I and II)         Remarks: water extractable fraction         Toxicity to microorganisms       EC50 (Cyprinodon variegatus (sheepshead minnow)): >         ford point: Respiration inhibition         Exposure time: 3 h         Method: OECD Test Guideline 203         GLium Petroleum Sulfonate:         Toxicity to fish       : LL50 (Cyprinodon var	I	Benzenesulfonic acid, mor	o-C16-24-alkyl de	erivs., calcium salts:
aquatic invertebrates       End point: Immobilization         Exposure time: 48 h       Method: OPPTS 797.1300         Remarks: water extractable fraction       Test results on an analogous product         Toxicity to algae/aquatic       :       EL50 (Pseudokirchneriella subcapitata (microalgae)): > 1,000 mg/l         plants       :       EL50 (Pseudokirchneriella subcapitata (microalgae)): > 1,000 mg/l         End point: Growth rate       Exposure time: 96 h         Method: OTS 797.1050 (Algal Toxicity, Tiers I and II)       Remarks: water extractable fraction         Test results on an analogous product       NOEC (Pseudokirchneriella subcapitata (microalgae)): 1,000 mg/l         Exposure time: 96 h       Method: OTS 797.1050 (Algal Toxicity, Tiers I and II)         Remarks: water extractable fraction       Test results on an analogous product         Toxicity to microorganisms       :       EC50 (activated sludge): > 10,000 mg/l         End point: Respiration inhibition       Exposure time: 3 h         Method: OECD Test Guideline 209       Calcium Petroleum Sulfonate:         Toxicity to fish       :       LL50 (Cyprinodon variegatus (sheepshead minnow)): > 10,000 mg/l         End point: mortality       Exposure time: 96 h       Test Type: static test         Method: OECD Test Guideline 203       GLP: yes       Remarks: water extractable fraction         Toxicity to fish	-	Toxicity to fish	10,000 mg/l End point: m Exposure tim Method: OE0	ortality ie: 96 h CD Test Guideline 203
plants       mg/l         End point: Growth rate       Exposure time: 96 h         Method: OTS 797.1050 (Algal Toxicity, Tiers I and II)       Remarks: water extractable fraction         Test results on an analogous product       NOEC (Pseudokirchneriella subcapitata (microalgae)): 1,000         mg/l       Exposure time: 96 h         Method: OTS 797.1050 (Algal Toxicity, Tiers I and II)       Remarks: water extractable fraction         Test results on an analogous product       NOEC (Pseudokirchneriella subcapitata (microalgae)): 1,000         mg/l       Exposure time: 96 h         Method: OTS 797.1050 (Algal Toxicity, Tiers I and II)       Remarks: water extractable fraction         Test results on an analogous product       Toxicity to microorganisms         Toxicity to microorganisms       EC50 (activated sludge): > 10,000 mg/l         End point: Respiration inhibition       Exposure time: 3 h         Method: OECD Test Guideline 209       Method: OECD Test Guideline 209         Calcium Petroleum Sulfonate:       Image: Static test         Toxicity to fish       LL50 (Cyprinodon variegatus (sheepshead minnow)): > 10,000 mg/l         End point: mortality       Exposure time: 96 h         Test Type: static test       Method: OECD Test Guideline 203         GLP: yes       Remarks: water extractable fraction         Toxicity to daphnia and otherr       EL5			End point: Im Exposure tim Method: OPF Remarks: wa	amobilization ne: 48 h PTS 797.1300 nter extractable fraction
mg/l       Exposure time: 96 h         Method: OTS 797.1050 (Algal Toxicity, Tiers I and II)         Remarks: water extractable fraction         Test results on an analogous product         Toxicity to microorganisms       :         EC50 (activated sludge): > 10,000 mg/l         End point: Respiration inhibition         Exposure time: 3 h         Method: OECD Test Guideline 209         Calcium Petroleum Sulfonate:         Toxicity to fish         :       LL50 (Cyprinodon variegatus (sheepshead minnow)): > 10,000 mg/l         End point: mortality         Exposure time: 96 h         Test Type: static test         Method: OECD Test Guideline 203         GLP: yes         Remarks: water extractable fraction         Toxicity to daphnia and other aquatic invertebrates       :         EL50 (Daphnia magna (Water flea)): > 1,000 mg/l         End point: Immobilization			mg/l End point: G Exposure tim Method: OTS Remarks: wa	rowth rate le: 96 h 5 797.1050 (Algal Toxicity, Tiers I and II) lter extractable fraction
End point: Respiration inhibition         Exposure time: 3 h         Method: OECD Test Guideline 209         Calcium Petroleum Sulfonate:         Toxicity to fish         :       LL50 (Cyprinodon variegatus (sheepshead minnow)): > 10,000 mg/l         End point: mortality         Exposure time: 96 h         Test Type: static test         Method: OECD Test Guideline 203         GLP: yes         Remarks: water extractable fraction         Toxicity to daphnia and other aquatic invertebrates         :       EL50 (Daphnia magna (Water flea)): > 1,000 mg/l         End point: Immobilization			mg/l Exposure tim Method: OTS Remarks: wa	ie: 96 h 5 797.1050 (Algal Toxicity, Tiers I and II) iter extractable fraction
Toxicity to fish:LL50 (Cyprinodon variegatus (sheepshead minnow)): > 10,000 mg/l End point: mortality Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203 GLP: yes Remarks: water extractable fractionToxicity to daphnia and other aquatic invertebrates:EL50 (Daphnia magna (Water flea)): > 1,000 mg/l End point: Immobilization	-	Toxicity to microorganisms	End point: Re Exposure tim	espiration inhibition le: 3 h
10,000 mg/l         End point: mortality         Exposure time: 96 h         Test Type: static test         Method: OECD Test Guideline 203         GLP: yes         Remarks: water extractable fraction         Toxicity to daphnia and other aquatic invertebrates         EL50 (Daphnia magna (Water flea)): > 1,000 mg/l         End point: Immobilization		Calcium Petroleum Sulfona	ate:	
aquatic invertebrates End point: Immobilization	-	Toxicity to fish	10,000 mg/l End point: m Exposure tim Test Type: st Method: OEC GLP: yes	ortality le: 96 h satic test CD Test Guideline 203
28 / 35			End point: Im	mobilization



Version 1.0	Revision Date: 10/31/2022		Number: )0010742	Date of last issue: - Country / Language: US / EN
		Te M	xposure time: 4 est Type: static ethod: OPPTS emarks: water e	test
Toxic plants	ity to algae/aquatic	m Ei Ei M R	g/I nd point: Growth (posure time: 96 ethod: OTS 797	5 h 7.1050 (Algal Toxicity, Tiers I and II) sults on an analogous product
		m Ei Ei M R	g/l nd point: Growth (posure time: 90 ethod: OTS 797 emarks: water e	
Toxic	ity to microorganisms	Eı Ex M	nd point: Respir (posure time: 3 ethod: OECD T	
Distil	lates (petroleum), hydr	otreat	ed light paraffi	nic:
Toxic	ity to fish	E: Ai M G	posure time: 96 nalytical monitor ethod: OECD T LP: yes	
	ity to daphnia and other ic invertebrates	E: Ai M G	posure time: 48 nalytical monitor ethod: OECD T LP: no	
Toxic plants	ity to algae/aquatic	m Ei Ei Ai M G	g/l nd point: Growth cposure time: 72 nalytical monitor ethod: OECD T LP: no	2 h ring: no est Guideline 201 xtractable fraction

# ADDITIN RC 4955

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Version 1.0	Revision Date: 10/31/2022	SDS Number: 203000010742	Date of last issue: - Country / Language: US / EN
aq	xicity to daphnia and other uatic invertebrates (Chron- toxicity)	mg/l End point: Growtl Exposure time: 7 Analytical monito Method: OECD T GLP: no Remarks: water e NOELR (Daphnia End point: Repro Exposure time: 2 Analytical monito Method: OECD T GLP: yes	2 h ring: no rest Guideline 201 extractable fraction a magna (Water flea)): 10 mg/l duction 1 d
Ре	rsistence and degradabili	ity	
<u>Cc</u>	omponents:		
	Amino-2-Methyl-1-Propan odegradability	: aerobic Inoculum: activate Concentration: 1 Biochemical oxyg Result: Readily b Biodegradation: Exposure time: 2	jen demand iodegradable. 89.3 %
Di	stillates (petroleum), solv	ent-refined heavy pa	raffinic:
	odegradability	: Result: Not readil	
	2'-(octylimino)bisethanol:		
Bio	odegradability	: aerobic Inoculum: activat Concentration: 8 CO <sub>2</sub> Result: rapidly bid Biodegradation: Exposure time: 2 Method: OECD T GLP: yes	mg/l odegradable 96 %
	emical Oxygen Demand OD)	: 2,269 mg/g	
		30 / 35	



ersion )	Revision Date: 10/31/2022	SDS Number: 203000010742	Date of last issue: - Country / Language: US / EN
Sodiu	um Petroleum Sulph	ionates:	
Biode	egradability	Biodegradation Exposure time:	
Benz	enesulfonic acid. C	10-16-alkyl derivs., ca	lcium salts:
	, egradability	: aerobic Inoculum: activ Concentration: Result: Not rea Biodegradation Exposure time: Method: OECD GLP: yes	ated sludge 2 mg/l dily biodegradable. : 8.6 %
		C18-UNSATURATED	
	egradability	: Result: Readily Biodegradation	biodegradable. : 99 %
		Exposure time: Method: OECD	Test Guideline 301B
Distil	lates (petroleum), h	ydrotreated light napl	nthenic:
Biode		Desult. Net as a	dily biodegradable.
Diode	egradability	: Result: Not rea	
		ono-C16-24-alkyl deri	
Benz		ono-C16-24-alkyl deri : aerobic	vs., calcium salts:
Benz	enesulfonic acid, m	ono-C16-24-alkyl deri : aerobic Inoculum: activ	vs., calcium salts: ated sludge
Benz	enesulfonic acid, m	ono-C16-24-alkyl deri : aerobic Inoculum: activ Concentration:	vs., calcium salts: ated sludge 2 mg/l
Benz	enesulfonic acid, m	ono-C16-24-alkyl deri : aerobic Inoculum: activ Concentration: Result: Not rea	<b>vs., calcium salts:</b> ated sludge 2 mg/l dily biodegradable.
Benz	enesulfonic acid, m	ono-C16-24-alkyl deri : aerobic Inoculum: activ Concentration:	vs., calcium salts: ated sludge 2 mg/l dily biodegradable. : 8.6 %
Benz	enesulfonic acid, m	ono-C16-24-alkyl deri : aerobic Inoculum: activ Concentration: Result: Not rea Biodegradation Exposure time:	vs., calcium salts: ated sludge 2 mg/l dily biodegradable. : 8.6 %
<b>Benz</b> Biode	enesulfonic acid, m	ono-C16-24-alkyl deri : aerobic Inoculum: activ Concentration: Result: Not rea Biodegradation Exposure time: Method: OECD	vs., calcium salts: ated sludge 2 mg/l dily biodegradable. : 8.6 % 28 d
Benz Biode Calci	enesulfonic acid, m	ono-C16-24-alkyl deri : aerobic Inoculum: activ Concentration: Result: Not rea Biodegradation Exposure time: Method: OECD onate: : aerobic	vs., calcium salts: ated sludge 2 mg/l dily biodegradable. : 8.6 % 28 d 7 Test Guideline 301D
Benz Biode Calci	enesulfonic acid, m egradability um Petroleum Sulfo	ono-C16-24-alkyl deri : aerobic Inoculum: activ Concentration: Result: Not rea Biodegradation Exposure time: Method: OECD onate: : aerobic Inoculum: activ	vs., calcium salts: ated sludge 2 mg/l dily biodegradable. : 8.6 % 28 d • Test Guideline 301D
Benz Biode Calci	enesulfonic acid, m egradability um Petroleum Sulfo	ono-C16-24-alkyl deri : aerobic Inoculum: activ Concentration: Result: Not rea Biodegradation Exposure time: Method: OECD onate: : aerobic Inoculum: activ Concentration:	vs., calcium salts: ated sludge 2 mg/l dily biodegradable. : 8.6 % 28 d • Test Guideline 301D ated sludge 2 mg/l
Benz Biode Calci	enesulfonic acid, m egradability um Petroleum Sulfo	ono-C16-24-alkyl deri : aerobic Inoculum: activ Concentration: Result: Not rea Biodegradation Exposure time: Method: OECD onate: : aerobic Inoculum: activ Concentration: Result: Not rea	vs., calcium salts: ated sludge 2 mg/l dily biodegradable. : 8.6 % 28 d • Test Guideline 301D ated sludge 2 mg/l dily biodegradable.
Benz Biode Calci	enesulfonic acid, m egradability um Petroleum Sulfo	ono-C16-24-alkyl deri : aerobic Inoculum: activ Concentration: Result: Not rea Biodegradation Exposure time: Method: OECD onate: : aerobic Inoculum: activ Concentration:	vs., calcium salts: ated sludge 2 mg/l dily biodegradable. : 8.6 % 28 d • Test Guideline 301D ated sludge 2 mg/l dily biodegradable. : 8.6 %
Benz Biode Calci	enesulfonic acid, m egradability um Petroleum Sulfo	ono-C16-24-alkyl deri : aerobic Inoculum: activ Concentration: Result: Not rea Biodegradation Exposure time: Method: OECD onate: : aerobic Inoculum: activ Concentration: Result: Not rea Biodegradation Exposure time: Method: OECD	vs., calcium salts: ated sludge 2 mg/l dily biodegradable. : 8.6 % 28 d • Test Guideline 301D ated sludge 2 mg/l dily biodegradable. : 8.6 %
Benz Biode Calci	enesulfonic acid, m egradability um Petroleum Sulfo	ono-C16-24-alkyl deri : aerobic Inoculum: activ Concentration: Result: Not rea Biodegradation Exposure time: Method: OECD onate: : aerobic Inoculum: activ Concentration: Result: Not rea Biodegradation Exposure time: Method: OECD GLP: yes	vs., calcium salts: ated sludge 2 mg/l dily biodegradable. : 8.6 % 28 d • Test Guideline 301D ated sludge 2 mg/l dily biodegradable. : 8.6 % 28 d

## ADDITIN RC 4955



ersion .0	Revision Date: 10/31/2022	SDS Number: 203000010742	Date of last issue: - Country / Language: US / EN
Distil	latas (natroloum) by	dratraated light n	oroffinio
	<b>lates (petroleum), hy</b> gradability	: Result: Not Biodegrada Exposure ti	readily biodegradable. tion: 2 - 4 %
Bioad	cumulative potentia	I	
<u>Com</u>	oonents:		
	ino-2-Methyl-1-Prop	anol:	
	on coefficient: n- ol/water	pH: > 9	0.63 (68 °F / 20 °C) ECD Test Guideline 107
2,2'-(	octylimino)bisethano	bl:	
	on coefficient: n- ol/water	: log Pow: 2.3 Method: Ca	8 Iculated value
Sodiu	um Petroleum Sulph	onates:	
Bioac	cumulation	: Bioconcent	ration factor (BCF): 70
	on coefficient: n- ol/water	: log Pow: 18	3.05 (77 °F / 25 °C)
	l <b>ity in soil</b> ata available		
	r <b>adverse effects</b> ata available		
No da		SIDERATIONS	

Waste from residues	: The product should not be allowed to enter drains, water courses or the soil.
	Send to a licensed waste management company.

### **SECTION 14. TRANSPORT INFORMATION**

### International Regulations

## ADDITIN RC 4955



Version	Revision Date:	SDS Number:
1.0	10/31/2022	203000010742

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

### 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.

### **Domestic regulation**

### 49 CFR

Not regulated as a dangerous good

### Hazard and Handling Notes.

Not dangerous cargo, Irritating to skin and eyes., Keep separated from foodstuffs

### **SECTION 15. REGULATORY INFORMATION**

### **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA 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	:	Respiratory or skin sensitization Skin corrosion or irritation Serious eye damage or eye irritation
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.

### **US State Regulations**

Massach	nusetts Right To Know		
	2-Amino-2-Methyl-1-Propanol Distillates (petroleum), hydrotreated light naph- thenic	124-68-5 64742-53-6	10 - 20 1 - 5
	Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	1 - 5
Pennsyl	vania Right To Know		
	Fatty acids, C14-18 and C16-18-unsatd. 2-Amino-2-Methyl-1-Propanol 1,2,3-Propanetriol, homopolymer, (9Z,12R)-12- hydroxy-9-octadecenoate	67701-06-8 124-68-5 68936-89-0	> 1 10 - 20 > 1
	Distillates (petroleum), solvent-refined heavy paraf- finic	64741-88-4	10 - 20
	Proprietary Component 2,2'-(octylimino)bisethanol	Trade Secret 15520-05-5	> 1 5 - 10



### **ADDITIN RC 4955**

Version 1.0	Revision Date: 10/31/2022	SDS Number: 203000010742		ast issue: - / Language: US / EN		
	Sodium Petroleur	n Sulphonates		68608-26-4	5-10	
	Benzenesulfonic um salts	acid, C10-16-alkyl derivs.	, calci-	68584-23-6	1 - 5	
	ALCOHOLS, C16 ETHOXYLATED	-18 AND C18-UNSATUR	ATED,	68920-66-1	1 - 5	
	Distillates (petrole thenic	eum), hydrotreated light n	aph-	64742-53-6	1 - 5	
	Distillates (petrole	eum), hydrotreated light pa	araffinic	64742-55-8	1 - 5	
Califo	ornia 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.

### **SECTION 16. OTHER INFORMATION**





#### HMIS® IV:



# ADDITIN RC 4955



Version	Revision Date: 10/31/2022	SDS Number:	Date of last issue: -
1.0		203000010742	Country / Language: US / EN

		its for Air Contaminants
ACGIH / TWA OSHA Z-1 / TWA		8-hour, time-weighted average 8-hour time weighted average
	•	o-nour 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 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

**Revision Date** 

: 10/31/2022

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.