## ROYCO 602 (22-015) MIL-PRF-87252



Version 1.1	Revision Date: 04/12/2024	SDS Number: 203000021225	Date of last issue: 10/19/2022 Country / Language: US / EN		
SECTION	1. IDENTIFICATION				
Produ	uct name	: ROYCO 602 (22-015) MIL-PRF-87252			
Produ	uct code	: 0000000006	0000000062629873		
Manu	ufacturer or supplier's	details			
Com	mpany : LANXESS Corporation Product Safety & Regulatory Affairs 111 RIDC Park West Drive Pittsburgh, Pennsylvania 15275-1112		ty & Regulatory Affairs ark West Drive		
Resp	onsible Department	: (800) LANXE (412) 809-10 lanxesshes@			
Emer	rgency telephone	(703) 527-38	(800) 424-9300 or 87 (Outside U.S.A) and mention CCN12916. ergency Phone (800) 410-3063.		
Reco	ommended use of the	chemical and restr	ictions on use		

Recommended use : Lubricant

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

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

Acute toxicity (Inhalation)	:	Category 4
Aspiration hazard	:	Category 1
GHS label elements		
Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	May be fatal if swallowed and enters airways. Harmful if inhaled.

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Preca	autionary Statements		g mist or vapors. ors or in a well-ventilated area.
		IF INHALED: R	ED: Immediately call a POISON CENTER/ doctor. Remove person to fresh air and keep comfortable Call a POISON CENTER/ doctor if you feel un-
		<b>Storage:</b> Store locked u	D.
		Disposal:	
		Dispose of con plant.	tents/ container to an approved waste disposal
	r hazards		

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Dec-1-ene, dimers, hydrogenated	68649-11-6	>= 90 - <= 100
2,6-di-tert-butyl-p-cresol	128-37-0	>= 1 - < 5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

### **SECTION 4. FIRST AID MEASURES**

If inhaled		Get medical attention immediately. Remove victim to fresh air and keep at rest in a position com- fortable for breathing. If unconscious, place in recovery position and get medical attention immediately. Maintain open airway. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained per- sonnel.
In case of skin contact	:	Wash off with soap and water. Get medical attention if symptoms occur.
In case of eye contact	:	Immediately flush eye(s) with plenty of water.
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		Remove conta Get medical at	ct lenses. tention if symptoms appear.		
If swallowed		Rinse mouth w Do not induce sonnel. Aspiration haz damage. If vomiting occ does not enter If unconscious attention imme Maintain open	Rinse mouth with water. Do not induce vomiting unless directed to do by medical per- sonnel. Aspiration hazard if swallowed - can enter lungs and cause		
Most	important symptoms	and effects, both a	cute and delayed		
Symp	otoms	headache, dro Ingestion and	posure to this product may cause dizziness, pwsiness, malaise, abdominal pain. /or vomiting may cause aspiration into the lungs pemical pneumonitis (inflammation of the lungs).		
Effec	ts	: May be fatal i Harmful if inh	f swallowed and enters airways. aled.		
Prote	ection of first-aiders	and use the re If potential for	nders should pay attention to self-protection commended protective clothing exposure exists refer to Section 8 for specific ctive equipment.		
Note	s to physician	: Treat sympton	natically.		

### SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media		Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment.
		Alcohol-resistant foam Carbon dioxide (CO2) Dry powder Sand Water mist
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire fighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
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Hazardous combustion prod- ucts		- :	Carbon dioxide (0 Carbon monoxide	
Further information		:	vicinity of the inci	he scene by removing all persons from the dent if there is a fire. a taken involving any personal risk or without
	Special protective equipmen for fire-fighters	t :	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.
Environmental precautions :	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.
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> </ul>

### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
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.

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			n, ingestion and contact with skin and eyes. dequate ventilation.
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.
	er information on stor- tability	: No decompositi	on if stored and applied as directed.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ingredients with workplace c	ontrol paral	neters			
Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis	
2,6-di-tert-butyl-p-cresol	128-37-0	TWA (Inhal- able fraction and vapor)	2 mg/m3	ACGIH	
<b>Engineering measures</b> : If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.					
Personal protective equipme	Personal protective equipment				
Respiratory protection	exposure	Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.			
NIOSH approved, air-purifying organic vapor respirator.					
Hand protection Material : Nitrile rubber					
Material	: Polyvinyl	Polyvinyl alcohol			
Remarks : Gloves should be discarded and replaced if there is any indi-				s any indi-	
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### Ingredients with workplace control parameters

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			radation or chemical breakthrough. Before re- es clean them with soap and water. Impervious		
Eye p	protection	: Safety glasse	es with side-shields		
Skin a	and body protection	Choose body	Wear suitable protective clothing. Choose body protection according to the amount and con- centration of the dangerous substance at the work place.		
Prote	ctive measures	selecting pro	all applicable local/national requirements when tective measures for a specific workplace. Imendations apply to the product as supplied.		
Hygie	ene measures	chemical pro lavatory and Appropriate t contaminated Wash contan Ensure that e	, forearms and face thoroughly after handling ducts, before eating, smoking and using the at the end of the working period. echniques should be used to remove potentially d clothing. ninated clothing before reusing. eyewash stations and safety showers are close ation location.		

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Physical state	:	liquid
Color	:	clear, white
Odor	:	characteristic
Odor Threshold	:	No data available
рН	:	No data available
Melting point/range	:	Not applicable
Boiling point/boiling range	:	Not applicable
Flash point	:	> 302 °F / > 150 °C
		Method: Cleveland open cup
Evaporation rate	:	Not applicable
Flammability (liquids)	:	No data available
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	Self-igr	ition	:	No data available	9
		explosion limit / Upper bility limit	:	No data available	)
		explosion limit / Lower bility limit	:	No data available	
	Vapor p	pressure	:	No data available	)
	Relative	e vapor density	:	No data available	
	Relative	e density	:	0.8 (60.1 °F / 15.	6 °C)
	Density	,	:	No data available	)
	Solubili Wat	ty(ies) er solubility	:	immiscible	
	Solu	bility in other solvents	:	No data available	
	Partition octanol	n coefficient: n- /water	:	No data available	
	Ignition	temperature	:	No data available	)
	Decom	position temperature	:	No data available	)
		celerating decomposi- nperature (SADT)	:	No data available	)
	Viscosi Visc	ty osity, dynamic	:	No data available	)
	Visc	osity, kinematic	:	No data available	)
	Explosi	ve properties	:	No data available	
	Oxidizir	ng properties	:	No data available	
	Self-he	ating substances	:	No data available	
	Surface	e tension	:	No data available	9
	Molecu	lar weight	:	No data available	9
	Particle	size	:	Not applicable	

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	The product is chemically stable.
Possibility of hazardous reac- tions	:	Under normal conditions of storage and use, hazardous reac- tions will not occur.
Conditions to avoid	:	Extremes of temperature and direct sunlight.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition products	:	No decomposition if stored normally.

### SECTION 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Harmful if inhaled.

#### Product:

Acute inhalation toxicity	:	Acute toxicity estimate: 1.18 mg/l Exposure time: 4 h Test atmosphere: dust/mist
		Method: Calculation method

### **Components:**

### Dec-1-ene, dimers, hydrogenated:

Acute oral toxicity	LD50 (Rat, male and female): > 5,000 mg/kg Assessment: The substance or mixture has no acute oral tox- icity Remarks: Dosage caused no mortality
Acute inhalation toxicity	LC50 (Rat, male and female): 1.17 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 GLP: Yes
2,6-di-tert-butyl-p-cresol:	
Acute oral toxicity	LD50 (Rat, male and female): > 2,930 mg/kg Method: OECD Test Guideline 401 GLP: Yes Assessment: The substance or mixture has no acute oral tox-

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Acute	dermal toxicity	: LD50 (Rat, ma Method: OECD GLP: Yes Assessment: T toxicity	age caused no mortality le and female): > 2,000 mg/kg ) Test Guideline 402 The substance or mixture has no acute dermal age caused no mortality

#### Skin corrosion/irritation

Not classified based on available information.

#### **Components:**

#### Dec-1-ene, dimers, hydrogenated:

Exposure time :	Rabbit 4 h OFCD Test Cuideline 404
	OECD Test Guideline 404
	No skin irritation Yes
Remarks :	Based on data from similar materials
Romano .	

#### 2,6-di-tert-butyl-p-cresol:

Species	:	Rabbit
Method	:	Draize Test
Result	:	No skin irritation

### Serious eye damage/eye irritation

Not classified based on available information.

### **Components:**

### Dec-1-ene, dimers, hydrogenated:

Species	:	Rabbit
Result	:	No eye irritation
GLP	:	Yes

#### 2,6-di-tert-butyl-p-cresol:

Species	:	Rabbit
Result	:	No eye irritation
Method	:	Draize Test

#### Respiratory or skin sensitization

### Skin sensitization

Not classified based on available information.

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### **Respiratory sensitization**

Not classified based on available information.

### Components:

#### 2,6-di-tert-butyl-p-cresol:

Patch Test
Skin contact
Human
Does not cause skin sensitization.
No data available
Skin contact
Guinea pig
No information available.
Did not cause sensitization on laboratory animals.
No

#### Germ cell mutagenicity

Not classified based on available information.

#### **Components:**

#### Dec-1-ene, dimers, hydrogenated:

Genotoxicity in vitro	:	Test Type: Ames test Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative GLP: Yes Remarks: Based on data from similar materials
Genotoxicity in vivo	:	Test Type: Micronucleus test Species: Mouse (male and female) Cell type: Bone marrow Application Route: Intraperitoneal Dose: 1250-2500-5000 mg/kg Method: OECD Test Guideline 474 GLP: Yes Remarks: Based on data from similar materials
2,6-di-tert-butyl-p-cresol:		
Genotoxicity in vitro	:	Test Type: Ames test Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative GLP: No information available.



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	Test syster Metabolic a Method: No Result: neg	Chromosome aberration test in vitro n: Chinese hamster ovary cells activation: with and without metabolic activatio o information available. ative formation available.
	Test syster Metabolic a Method: No Result: neg	n: rat hepatocytes ctivation: with metabolic activation o information available.
xicity in vivo	Species: M Cell type: E Application Method: No Result: neg	Micronucleus test ouse (male and female) one marrow Route: Intraperitoneal injection o information available. ative formation available.
	Species: R Cell type: E Application Method: No Result: neg	one marrow Route: Oral pinformation available.
	lable information	
tion Route ire time -	: Oral : 22 month(s : 0 - 25 - 100 : 25 mg/kg b	) - 250/500 mg/kg body weight
ogenicity - Assess-	: Carcinoger	icity classification not possible from current da
	ogenicity sified based on avaionents: sert-butyl-p-cresol: stion Route ire time	04/12/2024       203000021225         Test Type:       Test system         Metabolic a       Method: No         Metabolic a       Method: No         Metabolic a       Method: No         Result: neg       GLP: No int         Metabolic a       Method: No         Metabolic a       Method: No         Result: neg       GLP: No int         Metabolic a       Method: No         Result: neg       GLP: No int         Method: No       Result: neg         GLP: No int       Test Type:         Species: M       Cell type: B         Application       Method: No         Result: neg       GLP: No int         Test Type:       Species: Ra         Cell type: B       Application         Method: No       Result: neg         GLP: No int       Test Type:         Species: Ra       Cell type: B         Application       Method: No         Result: neg       GLP: No int         ogenicity       sified based on available information.         metabolic a       Oral         me time       : 22 month(s         : 0 - 25 - 100       : 25 mg/kg b         : No informa       : Yes



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I	identified as p	identified as probable, possible or confirmed human carcinogen by IARC.					
OSHA			his product preser egulated carcinog	nt at levels greater than or equal to 0.1% is ens.			
NTP		No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.					
-	ductive toxicity ssified based on availa	able i	nformation.				
Comp	onents:						
	ene, dimers, hydroge						
Effects	on fertility		Duration of Single General Toxicity F Method: OECD Te GLP: Yes	: Oral 0 milligram per kilogram 7 Treatment: 20 Weeks Parent: NOAEL: 1,000 mg/kg body weight			
2,6-di-	tert-butyl-p-cresol:						
Effects	on fertility			e and female : Oral			
Effects	on fetal development		General Toxicity M Developmental To Method: No inform Result: Embryoto	e and female : Oral ) - 250/500 milligram per kilogram /laternal: NOAEL: 100 mg/kg body weight oxicity: NOAEL: 100 mg/kg body weight			
				emale			

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Developmental Toxicity: NOAEL: 800 mg/kg body weight Method: No information available. Result: Did not show teratogenic effects in animal experiments. GLP: No information available.

### STOT-single exposure

Not classified based on available information.

### **Components:**

#### 2,6-di-tert-butyl-p-cresol:

Assessment : May cause respiratory irritation.

#### STOT-repeated exposure

Not classified based on available information.

### Repeated dose toxicity

#### Components:

#### Dec-1-ene, dimers, hydrogenated:

Species :	Rat, male and female	
NOAEL :	1,000 mg/kg	
Application Route :	Oral	
Exposure time :	28 Days	
Number of exposures :	daily	
Dose :	0-1000	
Method :	OECD Test Guideline 407	
GLP :	Yes	
Remarks :	Based on data from similar n	naterials

#### 2,6-di-tert-butyl-p-cresol:

Species NOAEL LOAEL Application Route Exposure time Number of exposures Dose Method GLP Symptoms Remarks		Rat, male and female 25 mg/kg 100 mg/kg Oral 22 Months daily 0 - 25 - 100 - 250/500 mg/kg bw/day No information available. Yes alteration in liver enzymes Chronic toxicity
Species Application Route	:	Pig, male and female 1500 ppm Oral



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		: 42 Days : daily : 0 - 150 - 1000 : No information : Yes : Subacute toxic	
-	<b>ation toxicity</b> be fatal if swallowed and	enters airways.	
<u>Comp</u>	oonents:		
	- <b>ene, dimers, hydroge</b> be fatal if swallowed and		
Furth	er information		
<u>Produ</u> Rema		: The product its	self has not been tested.
	12. ECOLOGICAL INFO	ORMATION	
Ecoto	oxicity	DRMATION	
Ecoto <u>Comp</u>	oxicity oonents:		
Ecoto <u>Comp</u> Dec-1	oxicity	nated: : LL50 (Oncorhy End point: mo Exposure time Analytical mor	: 96 h
Ecoto Comp Dec-1 Toxici	oxicity <u>oonents:</u> I-ene, dimers, hydroge	nated: : LL50 (Oncorhy End point: more Exposure time Analytical more Method: OECI GLP: Yes : EL50 (Daphnia End point: Imme Exposure time Analytical more	rtality : 96 h litoring: Yes D Test Guideline 203 a magna (Water flea)): > 1,000 mg/l nobilization : 48 h



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aqu	icity to daphnia and other atic invertebrates (Chron- xicity)	1,000 r End po Expose Analyti Method GLP: Y : NOELF End po Expose	R (Scenede ng/l int: Growth ure time: 72 cal monitor d: OECD T 'es R (Daphnia int: mortali ure time: 2'	2 h ing: Yes est Guideline 201 magna (Water flea)): 125 mg/l ty I d
				est Guideline 211
2,6-	di-tert-butyl-p-cresol:			
	Toxicity to fish		ure time: 96 /pe: semi-s	static test on (EC) No. 440/2008, Annex, C.1
	icity to daphnia and other atic invertebrates	End po Expose Test Ty Analyti Methoo GLP: Y	int: Immob ure time: 48 ype: static cal monitor d: OECD T	3 h rest ring: Yes est Guideline 202
Tox plar	icity to algae/aquatic its	End po Expose Test Ty Analyti Methoo GLP: Y	vint: Growth ure time: 72 ype: static cal monitor d: Regulation	2 h rest ring: Yes on (EC) No. 440/2008, Annex, C.3
		End po Expose Test Ty Analyti	int: Growth ure time: 72 ype: static cal monitor	2 h est ing: Yes on (EC) No. 440/2008, Annex, C.3



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				GLP: Yes Remarks: Fresh v	vater
	Toxicity to fish (Chronic tox- icity)		:	NOEC (Oryzias la Exposure time: 42 Test Type: flow-th Analytical monitor Method: OECD Te GLP: Yes Remarks: Fresh w	nrough test ring: Yes est Guideline 210
a		to daphnia and other invertebrates (Chron- ty)			l d static test ring: Yes est Guideline 202
Т	oxicity	to microorganisms	:	EC50 (activated s End point: Respira Exposure time: 3 Test Type: static t Analytical monitor Method: OECD Te GLP: Yes Remarks: Fresh w nominal concentra	h iest ring: No est Guideline 209 vater
	oxicity anism	r to soil dwelling or- s	:	Test Type: Reprod NOEC (Eisenia fe Exposure time: 28 End point: Reprod Method: OECD Te GLP: Yes	itida (earthworms)): 25 mg/kg 3 d duction
P	lant to	xicity	:	NOEC: 4.74 mg/k Exposure time: 17 End point: Growth Species: Allium ca Method: OECD Ta GLP: Yes	d ninhibition epa
				EC50: 20.9 mg/kg Exposure time: 17 End point: Growth Species: Allium ce Method: OECD Te GLP: Yes	7 d n inhibition epa est Guideline 208
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Persi	istence and degrada	bility	
Com	ponents:		
Dec-	1-ene, dimers, hydro	genated:	
Biode	egradability	Biodegra Exposure	lot readily biodegradable. dation: 15 % e time: 28 d OECD Test Guideline 301D s
2,6-d	i-tert-butyl-p-cresol:		
	egradability	Result: N Biodegra Exposure Method:	: activated sludge lot readily biodegradable. dation: 4.5 % e time: 28 d OECD Test Guideline 301C information available.
Stabi	lity in water		tion half life (DT50): 4 - 8 d is:  at 20 °C
Photo	odegradation		r: OH tion (indirect photolysis): tion half life: 21.054 h
Bioa	ccumulative potentia	ıl	
Com	ponents:		
Dec-	1-ene, dimers, hydro	genated:	
	ion coefficient: n- ol/water	pH: 7	> 6.5 (68 °F / 20 °C) OECD Test Guideline 117 s
2,6-d	i-tert-butyl-p-cresol:		
	cumulation	: Bioconce	entration factor (BCF): > 2,000
		Bioconce Exposure Tempera Concentr	Cyprinus carpio (Carp) entration factor (BCF): 781 e time: 56 d ture: 77 °F / 25 °C ration: 0.05 mg/l OECD Test Guideline 305



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			Exposure time: 56 Temperature: 77 Concentration: 0	s carpio (Carp) factor (BCF): 839 6 d °F / 25 °C .005 mg/l est Guideline 305
	Partition coefficient: n- octanol/water		log Pow: 5.1 Method: measure	d
Mob	ility in soil			
Com	ponents:			
<b>2,6-0</b> Mob	<b>di-tert-butyl-p-cresol:</b> ility	:	Medium: Soil Content: 82.9 % Method: Calculati	on, Mackay Level III Fugacity Model
			Medium: Water Content: 8.53 % Method: Calculati	on, Mackay Level III Fugacity Model
			Medium: Sedimer Content: 7.23 % Method: Calculati	nt on, Mackay Level III Fugacity Model
			Medium: Air Content: 1.33 % Method: Calculati	on, Mackay Level III Fugacity Model
	ibution among environ- tal compartments	:	log Koc: 4.17 Method: estimate	d
Stab	ility in soil	:	Test Type: aerobi Soil temperature: Radio label: Yes pH: 5.7 Cation exchange Biomass: 214 mg Method: OECD T GLP: Yes	54 °F̈́ / 12 °C capacity: 16 m_/kg g/kg
			Test Type: aerobi Soil temperature: Radio label: Yes	



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	Biomass: 265.	ge capacity: 47 m_/kg 7 mg/kg ) Test Guideline 307
	Soil temperatu Radio label: Ye pH: 7.4 Cation exchang Biomass: 531.	ge capacity: 265 m_/kg
	Soil temperatu Radio label: Ye pH: 7.2 Cation exchang Biomass: 938.	ge capacity: 257 m_/kg
adverse effects		
uct:		
onal ecological infor- n	unprofessional Harmful to aqu Harmful to aqu The product its	ntal hazard cannot be excluded in the event of handling or disposal. atic life. atic life with long lasting effects. elf has not been tested. to the environment.
oonents:		
-tert-butyl-p-cresol:		
ts of PBT and vPvB		ot persistent, bioaccumulative, and toxic (PE ot very persistent and very bioaccumulative
	• adverse effects <u>Jct:</u> onal ecological infor- n	pH: 6.6 Cation exchang Biomass: 265. Method: OECE GLP: Yes Test Type: aer Soil temperatu Radio label: Ye pH: 7.4 Cation exchang Biomass: 531. Method: OECE GLP: Yes Test Type: aer Soil temperatu Radio label: Ye pH: 7.2 Cation exchang Biomass: 938. Method: OECE GLP: Yes Test Type: aer Soil temperatu Radio label: Ye pH: 7.2 Cation exchang Biomass: 938. Method: OECE GLP: Yes Test Type: aer Soil temperatu Radio label: Ye pH: 7.2 Cation exchang Biomass: 938. Method: OECE GLP: Yes Test Type: aer Soil temperatu Radio label: Ye pH: 7.2 Cation exchang Biomass: 938. Method: OECE GLP: Yes Test Type: aer Soil temperatu Radio label: Ye pH: 7.2 Cation exchang Biomass: 938. Method: OECE GLP: Yes

RCRA - Resource Conserva- :	If discarded in its purchased form, this product would not be a
tion and Recovery Authoriza-	hazardous waste either by listing or by characteristic. Howev-
tion Act	er, under RCRA, it is the responsibility of the product user to

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		ing the product	e time of disposal, whether a material contain- or derived from the product should be classi- dous waste. (40 CFR 261.20-24)
Waste from residues		wherever possi This material ar way. Empty containe tions for produc Avoid dispersal soil, waterways Waste disposal	nd its container must be disposed of in a safe ers retain product residue; observe all precau-
Contaminated packaging		Empty containe	

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

#### International Regulations

#### 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 Keep separated from foodstuffs

### SECTION 15. REGULATORY INFORMATION

#### **CERCLA Reportable Quantity**

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

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SARA	A 302 Extremely Haza	ardous Substances T	Threshold Planning Quanti	ity			
This r	naterial does not cont	ain any components v	vith a section 302 EHS TPQ				
SARA	A 311/312 Hazards		: Acute toxicity (any route of exposure) Aspiration hazard				
SAR	A 313	known CAS nu	loes not contain any chemic umbers that exceed the thres s established by SARA Title	shold (De Minimis)			
US St	tate Regulations						
Mass	achusetts Right To I	Know					
	2,6-di-tert-butyl-p-	cresol	128-37-0	>= 1 - < 5			
Penn	sylvania Right To Kr	low					
	Dec-1-ene, dimer	s, hydrogenated	68649-11-6	>= 90 - <= 100			
	2,6-di-tert-butyl-p-	cresol	128-37-0	>= 1 - < 5			
	ornia Prop. 65						

WARNING: This product can expose you to chemicals including methanol, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

#### **TSCA** inventory

TSCA

: All substances listed as active on the TSCA inventory

### **TSCA** list

No substances are subject to a Significant New Use Rule.

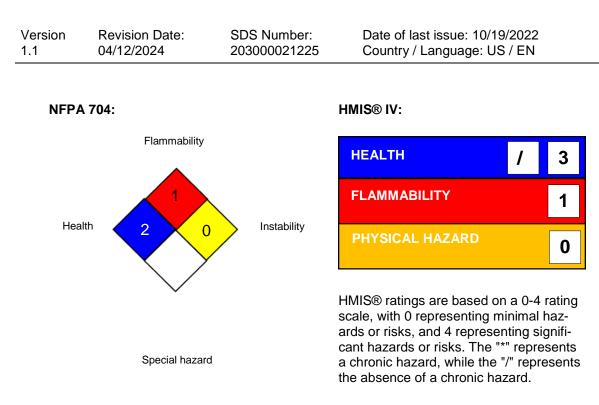
No substances are subject to TSCA 12(b) export notification requirements.

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

#### **Further information**

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#### Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH / 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 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

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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 : 04/12/2024

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.

Relevant changes from the previous version are marked on the left side of the Safety Data Sheet with a black double bar in appropriate places.