

SAFETY DATA SHEET

According to the Hazard Communication Standard, 29 CFR 1910.1200

MULTIS COMPLEX EP 2

SDS # :

30935

Section 1. Identification

GHS product identifier

: MULTIS COMPLEX EP 2

Relevant identified uses of the substance or mixture and uses advised against

Identified uses	
Lubricating grease]

Supplier's details

: TotalEnergies Marketing USA, Inc. 1201 Louisiana St. Suite 1800 Houston, TX 77002 Phone: 713-483-5000 ProductSafety@totalenergies.com

TotalEnergies Marketing Puerto Rico Corp Millennium Park Plaza, #15 Road 2, Suite 525 Guaynabo, P.R. 00968 Phone: 1-787-783-4625

Emergency telephone number (with hours of operation)

1-866-928-0789 (For Emergencies, call CARECHEM 24/7 Domestic) 1-215-207-0061 (For Emergencies, call CARECHEM 24/7 International)

Section 2. Hazards identification

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OSHA/HCS status	 This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	: POXIC TO REPRODUCTION - Category 2
GHS label elements	
Hazard pictograms	
Signal word	: Warning
Hazard statements	: Suspected of damaging fertility or the unborn child.
Precautionary statements	<u>5</u>
Prevention	 Øbtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection.
Response	: F exposed or concerned: Get medical advice or attention.
Storage	: Store locked up.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazards not otherwise classified	: None known.

Date of revision : 2024/04/10

1.01



SDS #: 30935

Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

Ingredient name	% (w/w)	CAS number
dilithium azelate	≤3	38900-29-7
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts	≤3	68442-22-8
methyl-1H-benzotriazole	<1	29385-43-1

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

- Additional information
- : Mineral oil of petroleum origin. Product containing mineral oil with less than 3% DMSO extract as measured by IP 346

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

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Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	: ₩ash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute hea	alth effects
Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Defatting to the skin. May cause skin dryness and irritation.
Ingestion	: No known significant effects or critical hazards.
<u>Over-exposure sig</u>	ns/symptoms
Eye contact	: No specific data.

Date of revision : 2024/04/10



SDS # : 30935

Inhalation	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: irritation dryness cracking reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Indication of immediate me	dical attention and special treatment needed, if necessary
Notes to physician	 Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.
Protection of first-aiders	■ No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
Specific hazards arising from the chemical	: No specific fire or explosion hazard.
Hazardous thermal decomposition products	: carbon monoxide carbon dioxide Silicon Dioxide nitrogen oxides phosphorus oxides sulfur oxides Hydrogen sulfide Mercaptans Zinc oxides
Special protective actions for fire-fighters	 Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Remark	: Yes.



Section 6. Accidental release measures

Personal precautions, protect	tiv	e equipment and emergency procedures
For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for co	nta	ainment and cleaning up
Small spill	:	Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling	
Protective measures	: Pregnant women should strictly avoid inhalation or skin contact. Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.



Section 8. Exposure controls/personal protection

Occupational exposure lin	<u>nits</u>	
Ingredient name		Exposure limits
	ed O,O-bis(2-ethylhexyl and iso-Bu) esters,	None. None.
zinc salts methyl-1H-benzotriazole		None.
Biological exposure indic	<u>es</u>	
No exposure indices known	1.	
Advisory OEL	 Mineral oil mist: USA: OSHA (PEL) TV 10 mg/m3, ACGIH (TLV) TWA 5 mg/r 	VA 5 mg/m3, NIOSH (REL) TWA 5 mg/m3, STEL n3 (highly refined)
Appropriate engineering controls		es, gas, vapor or mist, use process enclosures, neering controls to keep worker exposure to ommended or statutory limits.
Environmental exposure controls	they comply with the requirements of e	ocess equipment should be checked to ensure environmental protection legislation. In some neering modifications to the process equipment to acceptable levels.
Individual protection meas	ures	
Hygiene measures	eating, smoking and using the lavatory Appropriate techniques should be use	d to remove potentially contaminated clothing. eusing. Ensure that eyewash stations and safety
Eye/face protection	assessment indicates this is necessar gases or dusts. If contact is possible,	proved standard should be used when a risk y to avoid exposure to liquid splashes, mists, the following protection should be worn, unless gree of protection: safety glasses with side-
Skin protection		
Hand protection	worn at all times when handling cheminecessary. Considering the parameter during use that the gloves are still retain noted that the time to breakthrough for glove manufacturers. In the case of minerate hydrocarbon-proof gloves Fluorinated rubber nitrile rubber	complying with an approved standard should be ical products if a risk assessment indicates this is ers specified by the glove manufacturer, check ining their protective properties. It should be r any glove material may be different for different nixtures, consisting of several substances, the e accurately estimated.
	provided by the supplier of the gloves. conditions under which the product is the contact time.	Also take into consideration the specific local used, such as the danger of cuts, abrasion, and
Body protection		body should be selected based on the task being should be approved by a specialist before



SDS #: 30935

Respiratory protection

Appearance

: Ensure adequate ventilation and check that a safe, breathable atmosphere is present before entry into confined spaces. In case of insufficient ventilation, wear suitable respiratory equipment. The use of breathing apparatus must comply strictly with the manufacturer's instructions and the regulations governing their choices and uses.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature (20°C / 68°F) and pressure (1013 hPa) unless otherwise indicated

Appearance			
Physical state	1	Solio	d. [grease]
Color	1	Red	l.
Odor	1	Not	available.
Odor threshold	1	Not	available.
рН	1	Not	applicable.
Melting point/freezing point	1	Not	applicable.
Boiling point	4	Tec	hnically not possible to measure
Flash point	1	Not	applicable.
Evaporation rate	4	Not	available.
Flammability (solid, gas)	4	Yes	
Lower and upper explosive (flammable) limits	:	Not	applicable.
Vapor pressure	1	Not	applicable.
Vapor density	1	Not	applicable.
Relative density	: 🕅 9 [ISO EN 3675]		
Density	4	0.9 ថ្	g/cm³ [20°C]
Solubility(ies)	4		
Media			Result
water			Not soluble
Miscible with water	:	No.	
Partition coefficient: n- octanol/water	:	>3.5	5
Auto-ignition temperature	1	Not	applicable.
Decomposition temperature	1	>26	0°C (>500°F)
Viscosity	1	Kine	ematic (40°C (104°F)): Not applicable.
Flow time (ISO 2431)	1	Not	available.
Particle characteristics			
Median particle size		: N	lot available.
Section 10 Stabili	4.		d reactivity

Section 10. Stability and reactivity

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	Stable under recommended storage and handling conditions (see Section 7).
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.

Date of revision : 2024/04/10

1.01



SDS # : 30935

Conditions to avoid	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Incompatible materials	: Strong oxidizing agents
Hazardous decomposition products	: carbon monoxide carbon dioxide Silicon Dioxide nitrogen oxides phosphorus oxides sulfur oxides Hydrogen sulfide Mercaptans Zinc oxides

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/substance	Result	Species	Dose	Exposure	Test
Troduct/substance	Result	opecies	DUSC	Exposure	1031
dílithium azelate	LD50 Dermal	Rat	>2000 mg/kg	-	-
	LD50 Oral	Rat	301 mg/kg	-	-
Phosphorodithioic acid,	LD50 Dermal	Rabbit	>2000 mg/kg	-	OECD 402
mixed O,O-bis(2-ethylhexyl					Acute Dermal
and iso-Bu) esters, zinc salts					Toxicity
	LD50 Oral	Rat	>2000 mg/kg	-	EPA
methyl-1H-benzotriazole	LD50 Dermal	Rabbit - Male,	>2000 mg/kg	-	OECD 402
		Female			
	LD50 Oral	Rat	675 mg/kg	-	-
	LD50 Oral		720 mg/kg	-	OECD 401
		Female			

Conclusion/Summary : Based on available data, the classification criteria are not met.

Irritation/Corrosion

Product/substance	Result	Species	Score	Exposure	Test
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts	Eyes - Severe irritant	Rabbit	-	-	-
	Skin - Irritant	Rabbit	-	-	OECD 404 Acute Dermal Irritation/ Corrosion
methyl-1H-benzotriazole	Eyes - Iris lesion	Rabbit	0	-	OECD 405
-	Eyes - Mild irritant	Rabbit	-	10 mg	-
	Skin - Edema	Rabbit	0	4 hours	OECD 404
Skin :	Based on available data,	the classification	n criteria are	not met.	
Eyes :	Based on available data, or more of the componer has data on the componer concentration used, eye i	its contained wit ents and/or simil	hin this formu ar mixtures, v	llation has indica	ted that he
Respiratory :	Based on available data,	the classification	n criteria are i	not met.	
Sensitization					



SDS # : 30935

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Product/substance	Route of exposure	Speci	es			Result			
hosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts	skin	Guine	Guinea pig			Not sensitizing			
methyl-1H-benzotriazole	skin	Guine	Guinea pig			Not sensitizing			
Skin :		vailable data, æ an allergic			criteria a	are not met.	Contair	ns ser	nsitizer.
Respiratory :		vailable data,			criteria a	are not met.			
Mutagenicity									
Product/substance	Test		Expe	riment			Resu	lt	
hosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts	OECD 471 E Reverse Mu		Subje	riment: In v ect: Bacteria Somatic			Nega	itive	
	OECD 476 <i>I</i> Mammalian Mutation Te	Cell Gene	Expe	riment: In v ect: Mamma		mal	Nega	itive	
	OECD 474 N Erythrocyte Micronucleu	Mammalian	Subject: Mammalian-Animal Cell: Somatic Experiment: In vitro		Negative				
methyl-1H-benzotriazole	OECD 471	0 1001				Negative			
	OECD 476 Read across Experiment: In vitr		vitro Neg		Nega	gative			
	OECD 474	OECD 474 Subject: Mammalian-Ar Subject: Mammalian-Ar Subject: Mammalian-Ar		ivo		Negative			
Conclusion/Summary :	Based on av	vailable data,	the cla	ssification	criteria a	re not met.			
Carcinogenicity									
· · · · · · · · · · · · · · · · · · ·	Based on av	/ailable data,	the cla	ssification	criteria a	re not met.			
Reproductive toxicity									
Product/substance	Maternal toxicity	Fertility	Deve toxin	lopment	Specie	S	Dose)	Exposure
hosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts	Negative	Negative	Nega	tive	Rat		Oral: mg/k NOA	g	-
Conclusion/Summary	Based on av	ailable data,	the cla	ssification	criteria a	re not met.			
Teratogenicity									
Product/substance	Result			Species		Dose		Expo	osure
methyl-1H-benzotriazole	Negative - C	Iral		Rat - Fem	ale	-		-	
Conclusion/Summary	: Based on a	vailable data,	the cla	assification	criteria a	are met.			
Specific target organ toxicity	(single expo	<u>osure)</u>							
Conclusion/Summary	: Based on a	vailable data,	the cla	assification	criteria a	are not met.			
Specific target organ toxicity	(repeated ex	<u>(posure)</u>							
Conclusion/Summary	: Based on a	available data	, the c	lassificatior	n criteria	are not met.			
Aspiration hazard									
Conclusion/Summary	: Based on a	available data	, the cl	lassificatior	n criteria	are not met.			



SDS # : 30935

Information on the likely routes of exposure	: Not available.
Potential acute health effect	<u>S</u>
Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Defatting to the skin. May cause skin dryness and irritation.
Ingestion	: No known significant effects or critical hazards.
Symptoms related to the phy	vsical, chemical and toxicological characteristics
Eye contact	: No specific data.
Inhalation	: Ko specific data. : Koverse symptoms may include the following:
initialation	reduced fetal weight
	increase in fetal deaths
	skeletal malformations
Skin contact	: Kdverse symptoms may include the following: irritation
	dryness
	cracking
	reduced fetal weight increase in fetal deaths
	skeletal malformations
Ingestion	: Koverse symptoms may include the following:
	reduced fetal weight increase in fetal deaths
	skeletal malformations
Delayed and immediate effe	cts and also chronic effects from short and long term exposure
<u>Short term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Long term exposure	
Potential immediate	: Not available.

Potential delayed effects : Not available. Potential chronic health effects

effects

Product/substance	Result	Species	Dose	Exposure	
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts	Sub-acute NOAEL Oral	Rat	160 mg/kg	-	
methyl-1H-benzotriazole	Sub-chronic NOAEL Oral	Rat - Male, Female	150 mg/kg	28 days; 7 days per week	
General	: No known significant effects	or critical hazards	6.		
Carcinogenicity	: No known significant effects	No known significant effects or critical hazards.			
Mutagenicity	No known significant effects or critical hazards.				
Reproductive toxicity	: Suspected of damaging fert	ility or the unborn o	child.		

Numerical measures of toxicity

Acute toxicity estimates



SDS #: 30935

Product/substance	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/ I)
MULTIS COMPLEX EP 2	14783.9	209898.5	N/A	N/A	N/A
dilithium azelate	301	N/A	N/A	N/A	N/A
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts	2500	2500	N/A	N/A	N/A
methyl-1H-benzotriazole	675	2500	N/A	N/A	N/A

Other information

Not available.

Section 12. Ecological information

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Toxicity

Product/substance	Result	Species	Exposure	Test
dilithium azelate	Acute LC50 >100 mg/l	Algae	72 hours	-
	Acute LC50 >100 mg/l	Daphnia	48 hours	-
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts	Acute EC50 24 mg/l	Algae - Scenedesmus subspicatus	72 hours	OECD 201
, ,	Acute EC50 23 mg/l	Daphnia - <i>Daphnia Magna</i>	48 hours	OECD 202
	Acute LC50 4.5 mg/l	Fish	96 hours	-
	Acute NOEC 0.4 mg/l	Daphnia - Daphnia Magna	21 days	-
methyl-1H-benzotriazole	Acute EC10 1.18 mg/l Fresh water	Algae - Desmodesmus subspicatus	72 hours	OECD 201
	Acute EC50 8.58 mg/l Fresh water	Daphnia	48 hours	OECD 202
	Acute LC50 55 mg/l Marine water	Fish - Cyprinodon variegatus	96 hours	OECD 203
	Acute NOEC 30 mg/l Marine water	Fish - Cyprinodon variegatus	96 hours	OECD 203
	Chronic NOEC 0.4 mg/l Fresh water	Daphnia	21 days	OECD 211

Persistence and degradability

Product/substance	Aquatic half-life	Photolysis	Biodegradability
hosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts	-	-	Not readily
methyl-1H-benzotriazole	-	-	Not readily

Bioaccumulative potential

Product/substance	LogK _{ow}	BCF	Potential
MULTIS COMPLEX EP 2	>3.5	-	Low
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts	1.67	-	Low
methyl-1H-benzotriazole	1.081	-	Low



SDS # : 30935

<u>Mobility in soil</u>	
Soil/water partition coefficient (Koc)	: Not available.
Mobility in soil	: Given its physical and chemical characteristics, the product has no soil mobility. The product is insoluble and floats on water Loss by evaporation is limited
Other adverse effects	: No known significant effects or critical hazards.
Section 13. Disp	osal considerations
Disposal methods	: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products

quirements. Dispose of surplus and non-recycla via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	IMDG	ICAO/IATA
UN/ID No	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.

Additional information

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not available. to IMO instruments



SDS # : 30935

Section 15. Regulatory information

U.S. Federal regulations	 TSCA 4(a) proposed test rules: methyl-1H-benzotriazole TSCA 8(a) PAIR: Siloxanes and Silicones, di-Me TSCA 8(a) CDR Exempt/Partial exemption: Not determined 			
	Clean Water Act (CWA) 307 : Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts; Naphthenic acids, zinc salts			
	Clean Wa	ater Act (CWA) 311: maleic anhydride		
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	: Listed			
Clean Air Act Section 602 Class I Substances	: Not listed			
Clean Air Act Section 602 Class II Substances	: Not listed			
DEA List I Chemicals (Precursor Chemicals)	: Not listed			
DEA List II Chemicals (Essential Chemicals)	: Not listed			
SARA 302/304				
Composition/information	on ingredients	t <u>s</u>		
No products were found.				
SARA 304 RQ	: Not applica	cable.		
SARA 311/312				
Classification		REPRODUCTION - Category 2		
Composition/information	on ingredients	t <u>s</u>		
Name	%	Classification		

Name	%	Classification
filithium azelate 1-Propene, 2-methyl-, sulfurized Phosphorodithioic acid, mixed O, O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts	≤3	ACUTE TOXICITY (oral) - Category 4 FLAMMABLE LIQUIDS - Category 4 SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1
methyl-1H-benzotriazole	<1	ACUTE TOXICITY (oral) - Category 4 EYE IRRITATION - Category 2A TOXIC TO REPRODUCTION - Category 2

<u>SARA 313</u>

	Product name	CAS number	%
Form R - Reporting requirements	hosphorodithioic acid, mixed O,O-bis (2-ethylhexyl and iso-Bu) esters, zinc salts	68442-22-8	≤3
Supplier notification	Phosphorodithioic acid, mixed O,O-bis (2-ethylhexyl and iso-Bu) esters, zinc salts	68442-22-8	≤3

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusett	S	: The following components are listed: OIL MIST, MINERAL; OIL MIST, MINERAL; OIL MIST, MINERAL; OIL MIST, MINERAL		JIL	
New York		: None of the components are listed.			
Date of revision	: 2024/04/10	1.01	USA	ENGLISH	12/14



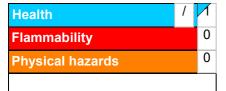
SDS # : 30935

New Jersey : The following components are listed: ZINC compounds Pennsylvania : The following components are listed: ZINC COMPOUNDS California Prop. 65				
International regulations Chemical Weapon Convention List Schedules I, II				
Not listed. Montreal Protocol Not listed.				
Stockholm Convention on Persistent Organic Pollutants Not listed.				
Rotterdam Convention on Prior Informed Consent (PIC) Not listed.				
UNECE Aarhus Protocol on POPs and Heavy Meta Not listed.	<u>als</u>			
Inventory list				
Australia inventory (AIIC)	: All components are listed or exempted.			
Canada inventory (DSL/NDSL)	: All components are listed or exempted.			
China inventory (IECSC)	: All components are listed or exempted.			
Europe inventory (EC)	: All components are listed or exempted.			
Japan inventory	 Japan inventory (CSCL): All components are listed or exempted. Japan inventory (ISHL): Not determined. 			
New Zealand Inventory of Chemicals (NZIoC)	: At least one component is not listed.			
Philippines inventory (PICCS)	: All components are listed or exempted.			
Korea inventory (KECI)	: All components are listed or exempted.			
Taiwan Chemical Substances Inventory (TCSI)	: All components are listed or exempted.			
Thailand inventory	: Not determined.			
Turkey inventory	: Not determined.			
United States inventory (TSCA 8b)	: All components are listed or exempted.			
Vietnam inventory	: Not determined.			
The information stated in this section relates solely to the conformity of the chemical product with the				

The information stated in this section relates solely to the conformity of the chemical product with the countries Inventories. The information used to confirm the inventory status of this product may be based on additional data to the chemical composition shown in Section 3. Other regulations may apply for importation or marketing authorizations.

Section 16. Other information

Hazardous Material Information System (U.S.A.)





SDS # : 30935

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Procedure used to derive the classification

Classification		Justification	
VIC TO REPRODUCTION - Category 2		Calculation method	
History			
Date of revision	: 2024/04/10		
previous revision date	: 2023/06/08		
Version	: 1.01		
Key to abbreviations	IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coeff MARPOL = International Convention for the Preventior	Bioconcentration Factor Globally Harmonized System of Classification and Labelling of Chemicals International Air Transport Association termediate Bulk Container International Maritime Dangerous Goods = logarithm of the octanol/water partition coefficient L = International Convention for the Prevention of Pollution From Ships, 1973 fied by the Protocol of 1978. ("Marpol" = marine pollution) ot available Segregation Group	
References	: Not available.		

Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.