Virkon™ S



Version 2.0	Revision Date: 12/05/2020		OS Number: 3000008545	Date of previous issue: 03/01/2019 Country / Language: US / EN
SECTION	1. IDENTIFICATION			
Product name		:	Virkon™ S	
Material number		:	57818065	
EPA	EPA Registration Number		39967-137	
Reco	Recommended use		Disinfectants Cleaning agent	
Manu	facturer or supplier's	s deta	ails	
Supp	lier	:	LANXESS Corpo Product Safety & 111 RIDC Park W PittsburghPA 152 USA	Regulatory Affairs /est Drive
Telep	hone	:	+1800LANXESS +14128091000 (i	nternational)
Emer	gency telephone	:	CHEMTREC (800 International (703 Lanxess Emerge	

SECTION 2. HAZARDS IDENTIFICATION

1910.1200). Skin irritation : Category 2 Serious eye damage : Category 1 GHS label elements Hazard pictograms :
GHS label elements
Signal Word : Danger
Hazard Statements : Causes skin irritation. Causes serious eye damage.
Precautionary Statements : Prevention: Wash skin thoroughly after handling.

Virkon™ S



Version	Revision Date:	SDS Number:	Date of previous issue: 03/01/2019
2.0	12/05/2020	10300008545	Country / Language: US / EN

Wear protective gloves/ eye protection/ face protection.

Response:

IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. If skin irritation occurs: Get medical advice/ attention. Take off contaminated clothing and wash before reuse.

Hazard Not Otherwise Classified (HNOC)

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

Chemical name	CAS-No.	Concentration (% w/w)
pentapotassium bis(peroxymonosulphate) bis(sulphate)	70693-62-8	>= 50 - < 70
sodium dodecylbenzenesulfonate	25155-30-0	>= 10 - < 20
malic acid	6915-15-7	>= 5 - < 10
sulphamic acid	5329-14-6	>= 1 - < 5
potassium hydrogen sulphate	7646-93-7	>= 1 - < 5
Dipotassium peroxodisulphate	7727-21-1	>= 1 - < 5
dipotassium disulphate	7790-62-7	>= 1 - < 5

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

SECTION 4. FIRST AID MEASURES

0./00				
If swallowed :	Rinse mouth with water.			
	Chemical burns must be treated promptly by a physician.			
	Remove contact lenses, if present and easy to do. Continue rinsing.			
	and that the eye is being irrigated.			
	30 minutes. Use fingers to ensure that eyelids are separated			
In case of eye contact :	Get medical attention immediately. In case of contact, flush eyes with plenty of water for at least			
In case of our context	Cot modical attention immediately			
	Wash contaminated clothing before reuse.			
	Get medical attention if symptoms occur.			
	Continue to rinse for at least 20 minutes.			
In case of skin contact :	Wash off with soap and water.			
	Get medical attention if symptoms appear.			
If inhaled :	If inhaled, remove to fresh air.			

Virkon™ S



Version 2.0	Revision Date: 12/05/2020	SDS Number: 103000008545	Date of previous issue: 03/01/2019 Country / Language: US / EN		
		sonnel.	Do not induce vomiting unless directed to do by medical per- sonnel. Get medical attention if symptoms occur.		
Most	important symptom	s and effects, both	acute and delayed		
stinging, and swelling.		s irritation with symptoms of reddening, itching,			
Effects :		: Causes skir Causes seri	n irritation. ous eye damage.		
Notes	s to physician	: Treat sympto	omatically.		

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. In case of fire, use water spray (fog), foam or dry chemical.
Unsuitable extinguishing media	:	Do not use water jet. Carbon dioxide (CO2)
Specific hazards during fire fighting	:	Toxic and irritating gases/fumes may be given off during burn- ing or thermal decomposition. Water runoff from fire fighting may be corrosive.
Hazardous combustion prod- ucts	:	Sulfur oxides Metal oxides Carbon dioxide (CO2) Carbon monoxide Nitrogen oxides (NOx) Halogenated compounds Phosphorus oxides
		Sulfur oxides Metal oxides Carbon dioxide (CO2) Carbon monoxide Nitrogen oxides (NOx) Halogenated compounds
Further information	:	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.

Virkon™ S



Vers 2.0	sion	Revision Date: 12/05/2020		OS Number: 3000008545	Date of previous issue: 03/01/2019 Country / Language: US / EN
	•	l protective equipment fighters	:	Wear self-contain essary.	ed breathing apparatus for firefighting if nec-
SEC	CTION 6	. ACCIDENTAL RELE	ASI	E MEASURES	
	tive eq	al precautions, protec- uipment and emer- procedures	:	suitable training. Put on appropriate Do not touch or w Evacuate personn	y and unprotected personnel from entering. ventilation.
	Enviror	nmental precautions	:	Prevent further lea	rom entering drains. akage or spillage if safe to do so. taminates rivers and lakes or drains inform ities.
		ls and materials for ment and cleaning up	:	Avoid dust format Do not dry sweep Vacuum dust with place in a closed,	y from and upwind of spill/leak. ion.

SECTION 7. HANDLING AND STORAGE

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

Virkon™ S



Version	Revision Date:	SDS Number:	Date of previous issue: 03/01/2019
2.0	12/05/2020	10300008545	Country / Language: US / EN
	Use ap tion.		e container to avoid environmental contamina-

Empty containers retain residue and can be dangerous.

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		
Dipotassium peroxodisulphate		7727-21-1	TWA	0.1 mg/m3 (Persulphate)	ACGIH		
Engineering measures :		use process e engineering c	If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.				
Personal protective equipment	nt						
Respiratory protection	:						
Hand protection Material Wearing time	:	Butyl rubber - IIR < 60 min					
Eye protection	:	Safety glasses with side-shields If inhalation hazards exist, a full-face respirator may be re- quired instead.					
Skin and body protection	:	Wear suitable protective clothing.					
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.			ng the potentially		

Virkon™ S



Version	Revision Date:	SDS Number:
2.0	12/05/2020	103000008545

Date of previous issue: 03/01/2019 Country / Language: US / EN

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	solid
Appearance	:	powder
Color	:	yellow
Odor	:	pleasant, sweet
Odor Threshold	:	No data available
рН	:	2.2 - 2.7 Concentration: 1 %
Melting point/freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Relative density	:	No data available
Density	:	No data available
Solubility(ies) Water solubility	:	65 g/l
Partition coefficient: n- octanol/water	:	No data available
Ignition temperature	:	No data available
Decomposition temperature	:	> 122 °F (> 50 °C)
		6/23

Virkon™ S



Version 2.0	Revision Date: 12/05/2020	SDS Number: 10300008545	Date of previous issue: 03/01/2019 Country / Language: US / EN
Visc	osity	: No data availa	ble
Expl	osive properties	: No data availal	ble
Oxid	izing properties	: No data availal	ble

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	:	No dangerous reaction known under conditions of normal use.
Conditions to avoid	:	Exposure to moisture.
Incompatible materials	:	Strong bases Combustible material Acids Oxidizing agents brass Copper Halogenated compounds Cyanides Heavy metal salts
Hazardous decomposition products	:	Oxygen Chlorine Sulfur oxides Hypochlorites

SECTION 11. TOXICOLOGICAL INFORMATION

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

Information on likely routes of exposure

Eye contact Skin contact Ingestion

Acute toxicity

Not classified based on available information.

Product:



Version 2.0	Revision Date: 12/05/2020		vious issue: 03/01/2019 anguage: US / EN
Acute	oral toxicity	: LD50 (Rat, male and female): Method: OECD Test Guideline GLP: yes	
Acute	inhalation toxicity		
Acute	dermal toxicity	: LD50 (Rat, male and female): Remarks: Extrapolation accord 440/2008	
Comp	oonents:		
penta	potassium bis(perox	onosulphate) bis(sulphate):	
Acute	oral toxicity	: LD50 (Rat, male and female): Method: OECD Test Guideline	
Acute	inhalation toxicity	 LC0 (Rat, male): > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline Assessment: The substance o tion toxicity Remarks: Highest producible o 	r mixture has no acute inhala-
Acute	dermal toxicity	: LD50 (Rat, male and female): Method: OECD Test Guideline Remarks: Extrapolation accord 440/2008	9 402
sodiu	m dodecylbenzenesi	onate:	
Acute	oral toxicity	: LD50 (Rat): 438 mg/kg	
malic	acid:		
Acute	oral toxicity	: LD50 (Rat, male and female): Method: OECD Test Guideline GLP: no	
Acute	inhalation toxicity	: LC0 (Rat, male and female): > Exposure time: 4 h	• 1.306 mg/l

Virkon™ S



0	Revision Date: 12/05/2020	SDS Numbe 1030000085	
		Method:	nosphere: dust/mist OECD Test Guideline 403 s: Highest producible concentration.
Acute	e dermal toxicity		abbit, female): > 5,000 mg/kg OECD Test Guideline 401
sulph	namic acid:		
Acute	oral toxicity		at, female): 2,140 mg/kg OECD Test Guideline 401 s
Acute	e dermal toxicity	Method: GLP: ye	at, male and female): > 2,000 mg/kg OECD Test Guideline 402 s nent: The substance or mixture has no acute dermal
potas	sium hydrogen sulp	hate:	
Acute	oral toxicity	: LD50 (R	at): 2,340 mg/kg
Dipot	assium peroxodisul	phate:	
-	assium peroxodisul		at): 700 mg/kg
Acute	-	E LD50 (R E LC0 (Ra Exposur Test atm	at): 700 mg/kg t): > 2.95 mg/l e time: 4 h hosphere: dust/mist s: Highest producible concentration.
Acute Acute	oral toxicity	: LD50 (R : LC0 (Ra Exposur Test atm Remark	it): > 2.95 mg/l e time: 4 h hosphere: dust/mist
Acute Acute Acute	oral toxicity inhalation toxicity dermal toxicity	: LD50 (R : LC0 (Ra Exposur Test atm Remark	at): > 2.95 mg/l re time: 4 h nosphere: dust/mist s: Highest producible concentration.
Acute Acute Acute dipot	oral toxicity	 LD50 (R LC0 (Ra Exposur Test atm Remarks LD50 (R LD50 (R Method: 	at): > 2.95 mg/l re time: 4 h nosphere: dust/mist s: Highest producible concentration.
Acute Acute Acute dipot	oral toxicity inhalation toxicity dermal toxicity assium disulphate:	 LD50 (R LC0 (Ra Exposur Test atm Remarkation LD50 (R LD50 (R Method: Remarkation 	at): > 2.95 mg/l e time: 4 h hosphere: dust/mist s: Highest producible concentration. abbit): > 10,000 mg/kg at, male): 2,140 mg/kg OECD Test Guideline 401

Skin corrosion/irritation

Causes skin irritation.

Virkon™ S



Version	Revision Date:	SDS Number:
2.0	12/05/2020	103000008545

Date of previous issue: 03/01/2019 Country / Language: US / EN

Product:

Species: Rabbit Method: OECD Test Guideline 404 Result: Irritating to skin.

Components:

pentapotassium bis(peroxymonosulphate) bis(sulphate):

Species: Rabbit Method: OECD Test Guideline 404 Result: Causes burns.

sodium dodecylbenzenesulfonate:

Assessment: Irritating to skin.

malic acid:

Species: Rabbit Method: OECD Test Guideline 404 Result: No skin irritation

sulphamic acid:

Species: Rabbit Method: OECD Test Guideline 404 Result: Irritating to skin.

potassium hydrogen sulphate:

Assessment: Causes burns.

Dipotassium peroxodisulphate:

Species: Rabbit Method: OECD Test Guideline 404 Result: Irritating to skin.

dipotassium disulphate:

Assessment: Causes severe burns.

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Species: Rabbit Result: Risk of serious damage to eyes.

Virkon™ S



Version	Revision Date:	SDS Number:
2.0	12/05/2020	10300008545

Date of previous issue: 03/01/2019 Country / Language: US / EN

Components:

pentapotassium bis(peroxymonosulphate) bis(sulphate):

Species: Rabbit Result: Risk of serious damage to eyes. Method: OECD Test Guideline 405

sodium dodecylbenzenesulfonate:

Assessment: Risk of serious damage to eyes.

malic acid:

Species: Rabbit Result: Irritating to eyes. Method: OECD Test Guideline 405

sulphamic acid:

Species: Rabbit Result: Irritating to eyes. Method: OECD Test Guideline 405

Dipotassium peroxodisulphate:

Result: Irritating to eyes.

dipotassium disulphate:

Assessment: Risk of serious damage to eyes.

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Product:

Routes of exposure: Skin contact Species: Guinea pig Method: OECD Test Guideline 406 Result: Did not cause sensitization on laboratory animals.

Routes of exposure: Inhalation Species: Mammal - species unspecified Method: Expert judgment Result: Does not cause respiratory sensitization.

Virkon™ S



Version	Revision Date:	SDS Number:
2.0	12/05/2020	103000008545

Date of previous issue: 03/01/2019 Country / Language: US / EN

Components:

pentapotassium bis(peroxymonosulphate) bis(sulphate):

Routes of exposure: Skin contact Species: Guinea pig Method: OECD Test Guideline 406 Result: Does not cause skin sensitization.

malic acid:

Routes of exposure: Skin contact Species: Guinea pig Method: OECD Test Guideline 406 Result: Did not cause sensitization on laboratory animals. GLP: yes

sulphamic acid:

Result: Did not cause sensitization on laboratory animals.

Dipotassium peroxodisulphate:

Routes of exposure: Inhalation Species: Mammal - species unspecified Result: May cause sensitization by inhalation.

Routes of exposure: Skin contact Species: Mouse Method: OECD Test Guideline 429 Result: May cause sensitization by skin contact.

Germ cell mutagenicity

Not classified based on available information.

Components:

pentapotassium bis(peroxymonosulphate) bis(sulphate):

Genotoxicity in vitro	: Test system: Mammalian-Animal Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: positive GLP: yes
	Test system: Bacteria Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative

GLP: ves

Test system: Mammalian-Human



ersion .0	Revision Date: 12/05/2020	SDS Number:Date of previous issue: 03/01/2019103000008545Country / Language: US / EN
		Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 473 Result: positive GLP: yes
Geno	toxicity in vivo	: Species: Mammalian-Animal Application Route: Oral Method: OECD Test Guideline 474 Result: negative
malic	acid:	
Geno	toxicity in vitro	: Remarks: Not mutagenic in a standard battery of genetic toxi- cological tests.
sulph	namic acid:	
Geno	toxicity in vitro	: Test system: Mammalian-Human Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 487 Result: negative GLP: yes
		Test system: Mammalian-Animal Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative
		Test system: Bacteria Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative
Dipot	assium peroxodisu	Iphate:
-	toxicity in vitro	 Remarks: Not mutagenic in a standard battery of genetic toxi- cological tests.
Carci	nogenicity	
	assified based on av	
IARC	;	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSH	A	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP		No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen



ersion 0	Revision Date: 12/05/2020	SDS Number: 103000008545	Date of previous issue: 03/01/2019 Country / Language: US / EN
		by NTP.	
Repro	oductive toxicity		
Not cl	assified based on ava	ailable information.	
Com	oonents:		
penta	potassium bis(pero	xymonosulphate) bis	(sulphate):
-	s on fetal developme	• • •	eratogenic or fetotoxic effects were found at a
	acid:		
Effect	s on fetal developme	nt : Remarks: No k	nown significant effects or critical hazards.
STOT	-single exposure		
Not cl	assified based on ava	ailable information.	
Com	oonents:		
potas	sium hydrogen sulp	ohate:	
Asses	ssment: May cause re	espiratory irritation.	
Dipot	assium peroxodisul	phate:	
Asses	ssment: May cause re	espiratory irritation.	
STOT	-repeated exposure		
Not cl	assified based on ava	ailable information.	
Repe	ated dose toxicity		
<u>Com</u>	oonents:		
penta	potassium bis(pero	xymonosulphate) bis	(sulphate):
	es: Rat, male and fer	nale	
	L: > 1,000 mg/kg cation Route: Oral		
	sure time: 28 d		
Numb	per of exposures: 7 da		
	od: OECD Test Guide arks: Subacute toxicity		
Speci	es: Rat, male and fer	nale	
	L: 600 mg/kg		
	cation Route: Oral sure time: 90 d		
Numb	per of exposures: 7 da		
Metho	od: OECD Test Guide	line 408	

Virkon™ S



Version	Revision Date:	SDS Number:
2.0	12/05/2020	10300008545

Date of previous issue: 03/01/2019 Country / Language: US / EN

Remarks: Subchronic toxicity

sodium dodecylbenzenesulfonate:

Species: Rat NOAEL: 220 mg/kg Application Route: Oral Dose: 220 mg/kg Remarks: Chronic toxicity

malic acid:

Remarks: No known significant effects or critical hazards.

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

pentapotassium bis(peroxymonosulphate) bis(sulphate):

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 53 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 GLP: yes Remarks: Fresh water
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 3.5 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 GLP: yes Remarks: Fresh water
Toxicity to algae	:	EC50 (Pseudokirchneriella subcapitata (microalgae)): > 1 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 GLP: yes Remarks: Fresh water
		NOEC (Pseudokirchneriella subcapitata (microalgae)): 0.5 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 GLP: yes Remarks: Fresh water



Version 2.0	Revision Date: 12/05/2020		9S Number: 3000008545	Date of previous issue: 03/01/2019 Country / Language: US / EN	
sod	ium dodecylbenzenesuli	fona	ate:		
	Toxicity to fish (Chronic tox- icity)		NOEC (Oncorhynchus kisutch (coho salmon)): 3.1 mg/l Exposure time: 3 Days		
aqua	Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)		NOEC (Daphnia i Exposure time: 7	magna (Water flea)): 4 mg/l Days	
mali	c acid:				
Тохі	city to fish	:	Exposure time: 90	est Guideline 203	
	city to daphnia and other atic invertebrates	:	Exposure time: 48	est Guideline 202	
Тохі	city to algae	:	EC50 (algae): > 1 Exposure time: 72 Method: OECD T GLP: yes Remarks: Fresh v	2 h est Guideline 201	
			NOEC (algae): 10 Exposure time: 72 Method: OECD T GLP: yes Remarks: Fresh v	2 h est Guideline 201	
sulp	hamic acid:				
Toxi	city to fish	 LC50 (Pimephales promelas (fathead minnow)): 70.3 Exposure time: 96 h Method: OECD Test Guideline 203 GLP: no Remarks: Fresh water 		6 h est Guideline 203	
	city to daphnia and other atic invertebrates	:	 EC50 (Daphnia magna (Water flea)): 71.6 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 GLP: yes Remarks: Fresh water 		
Toxi	city to algae	:	EC50 (Desmodes End point: Growth	smus subspicatus (green algae)): 48 mg/l n rate	



Version 2.0	Revision Date: 12/05/2020		9S Number: 3000008545	Date of previous issue: 03/01/2019 Country / Language: US / EN
		Exposure time: Method: OECD GLP: yes Remarks: Fresl		est Guideline 201
			NOEC (Desmode End point: Growth Exposure time: 72 Method: OECD To GLP: yes Remarks: Fresh w	2 h est Guideline 201
Toxic icity)	ity to fish (Chronic tox-	:	NOEC (Danio reri Exposure time: 34 Method: OECD Te	
	tity to daphnia and other tic invertebrates (Chron- icity)	:	NOEC (Daphnia r Exposure time: 21 Method: OECD Te	
Toxic	ity to microorganisms	:	 EC50: > 200 mg/l End point: Respiration inhibition Exposure time: 3 h Method: OECD Test Guideline 209 GLP: yes Remarks: Fresh water 	
Dipo	tassium peroxodisulph	ate	:	
-	sity to fish	:		hus mykiss (rainbow trout)): 76.3 mg/l S h
	ity to daphnia and other tic invertebrates	:	EC50 (Daphnia m Exposure time: 48	nagna (Water flea)): 120 mg/l 3 h
Τοχία	ty to algae	:	EC50 (Pseudokiro mg/l Exposure time: 72 Method: OECD Te	
Ecot	oxicology Assessment			
Chro	nic aquatic toxicity	:	This product has i	no known ecotoxicological effects.
-	tassium disulphate: Sity to fish	:	LC50 (Pimephale Exposure time: 96 Remarks: Fresh v	



Versio 2.0	on	Revision Date: 12/05/2020		S Number: 3000008545	Date of previous issue: 03/01/2019 Country / Language: US / EN
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48 Remarks: Fresh w	
Т	Foxicity	to algae	:	EC50 (Pseudokiro mg/l Exposure time: 96 Remarks: Fresh w	
				EC10 (Pseudokiro mg/l Exposure time: 96 Remarks: Fresh w	
	Γoxicity city)	to fish (Chronic tox-	:	NOEC (Pimephale Exposure time: 7 Remarks: Fresh w	
a		to daphnia and other invertebrates (Chron- y)	:	NOEC (Ceriodaph Exposure time: 7 Remarks: Fresh w	
F	Persist	ence and degradabili	ty		
<u>c</u>	Compo	nents:			
r	pentapo	otassium bis(peroxyr	nor	nosulphate) bis(su	Ilphate):
E	Biodegr	adability	:		ods for determining the biological degradabil- ble to inorganic substances.
n	nalic a	cid:			
E	Biodegr	adability	:	aerobic Result: Readily bio Biodegradation: 6 Exposure time: 28 Method: OECD Te GLP: yes	07.5 [°] %
s	sulphar	nic acid:			
	-	adability	:		ods for determining the biological degradabil- ble to inorganic substances.
[Dipotas	sium peroxodisulph	ate:		
E	Biodegr	adability	:		ods for determining the biological degradabil- ble to inorganic substances.

Virkon™ S



Version 2.0	Revision Date: 12/05/2020		9S Number: 3000008545	Date of previous issue: 03/01/2019 Country / Language: US / EN
dipot	tassium disulphate:			
Biode	egradability	:		thods for determining the biological degradabil cable to inorganic substances.
Bioa	ccumulative potentia	I		
Com	ponents:			
penta	apotassium bis(perox	ymor	nosulphate) bis	(sulphate):
	ion coefficient: n- ol/water	:	log Pow: < 0.3 Method: OECD	Test Guideline 117
sodiu	um dodecylbenzenes	ulfona	ate:	
Bioad	cumulation	:	Bioconcentratio	on factor (BCF): 220
	ion coefficient: n- ol/water	:	log Pow: 0.45	
malio	c acid:			
	ion coefficient: n- ol/water	:	log Pow: -1.26	
sulpl	namic acid:			
	ion coefficient: n- ol/water	:	log Pow: -4.34	
Mobi	lity in soil			
No da	ata available			
	r adverse effects			
No da	ata available			

SECTION 13. DISPOSAL CONSIDERATIONS

RCRA - Resource Conserva- tion and Recovery Authoriza- tion Act	If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. Howev- er, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material contain- ing the product or derived from the product should be classi- fied as a hazardous waste. (40 CFR 261.20-24)
Disposal methods	The generation of waste should be avoided or minimized wherever possible. This material and its container must be disposed of in a safe way. Empty containers retain product residue; observe all precau-

Virkon™ S



Version 2.0	Revision Date: 12/05/2020	SDS Number: 10300008545	Date of previous issue: 03/01/2019 Country / Language: US / EN
		soil, waterways Waste disposal	t. of spilled material and runoff and contact with , drains and sewers. should be in accordance with existing federal, and/or local environmental controls.
SECTIO	N 14. TRANSPORT INF	ORMATION	
Don	nestic regulation		
Prop	ID/NA number ber shipping name ss king group		/ hazardous substance, solid, n.o.s. DECYLBENZENE SULFONATE)
Furt	ine pollutant her information for sport		ual containers of less than the Product RQ, ps as non-regulated.

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.

SECTION 15. REGULATORY INFORMATION

CERCLA

Components	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
sodium dodecylbenzenesulfonate	25155-30-0	1000	7192

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 : Skin corrosion or irritation

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Version	Revision Date:	SDS Number:	Date of previous issue: 03/01/2019
2.0	12/05/2020	10300008545	Country / Language: US / EN

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

Massac	husetts Right To Know		
	sodium dodecylbenzenesulfonate	25155-30-0	>= 10 - < 20
Massac	husetts Right To Know		
	sodium dodecylbenzenesulfonate	25155-30-0	
Pennsyl	vania Right To Know		
	pentapotassium bis(peroxymonosulphate) bis(sulphate)	70693-62-8	>= 50 - < 70
	Polyphosphoric acids, sodium salts sodium dodecylbenzenesulfonate malic acid sulphamic acid Dipotassium peroxodisulphate	68915-31-1 25155-30-0 6915-15-7 5329-14-6 7727-21-1	>= 5 - < 10
Pennsyl	Ivania Right To Know		
	pentapotassium bis(peroxymonosulphate) bis(sulphate) Polyphosphoric acids, sodium salts sodium dodecylbenzenesulfonate malic acid sulphamic acid Dipotassium peroxodisulphate sodium sulphate	70693-62-8 68915-31-1 25155-30-0 6915-15-7 5329-14-6 7727-21-1 7757-82-6	

California Prop. 65

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

TSCA inventory

TSCA

This product is regulated under the United States Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

TSCA list

No substances are subject to a Significant New Use Rule.

:

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

FIFRA

EPA Registration Number : 39967-137

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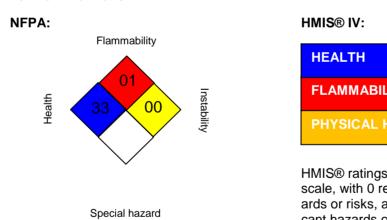
Version	Revision Date:	SDS Number:	Date of previous issue: 03/01/2019
2.0	12/05/2020	10300008545	Country / Language: US / EN

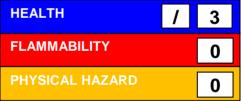
This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Signal Word	DANGER	
Hazard Statements	Powder is corrosive. Causes irreversible burns. Harmful if swallowed or absorbed sive statement does not refer to 1% in-us Registered Composition: Active Ingredients: Potassium peroxymonosulfate (CAS# 1 Sodium chloride (CAS# 7647-14-5) 1.50 Other Ingredients 77.09% Total: 100%" Causes eye damage and	through skin. Corro- se solution. FIFRA 0058-23-8) 21.41% %

SECTION 16. OTHER INFORMATION

Further information





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

LANXESS' method of hazard communication is comprised of Product Labels and Safety Data Sheets. HMIS and NFPA ratings are provided by LANXESS as a customer service.

Revision Date : 12/05/2020

This information is furnished without warranty, express or implied. This information is believed to be accurate to the best knowledge of our knowledge. The information provided in this Safety Data Sheet

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Version	Revision Date:	SDS Number:	Date of previous issue: 03/01/2019
2.0	12/05/2020	10300008545	Country / Language: US / EN

(SDS) is correct to the best of our knowledge, information and belief at the date of its publication. We assume no legal responsibility for use of or reliance upon the information in this SDS.