Limestone

Sikaflex NP 1 limestone Formerly MSeal NP 1



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SECTION 1	. IDENTIFICATION						
Product name		:	: Sikaflex NP 1 limestone Formerly MSeal NP 1 Limestone				
Product code		:	0000000050426581				
	acturer or supplier's of any name of supplier			LC			
Addres	S	:	201 POLITO AVE Lyndhurst NJ 070				
Emerge	ency telephone	:	ChemTel: +1-813	-248-0585			

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Acute toxicity (Inhalation - vapour)	:	Category 4
Serious eye damage/eye irritation	:	Category 2
Respiratory sensitization	:	Category 1
Skin sensitization	:	Category 1
Carcinogenicity	:	Category 2
Specific target organ toxicity - repeated exposure	:	Category 1 (Central nervous system)
GHS label elements		
Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	H332 Harmful if inhaled. H319 Causes serious eye irritation. H334 May cause allergy or asthma symptoms or breathing diffi-

H351 Suspected of causing cancer.

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through prolonged or repeated exposure.

H372 Causes damage to organs (Central nervous system)



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Preca	utionary Statements	face protection P271 Use only P260 Do not b P201 Obtain s P261 Avoid bre P202 Do not ha and understoo P284 In case of tion. P270 Do not e P264 Wash fac handling.	outdoors or in a well-ventilated area. reathe dust or mist. becial instructions before use. eathing dust/ fume/ gas/ mist/ vapours/ spray. andle until all safety precautions have been read
		for several min to do. Continue P304 + P340 II keep comfortal P314 Get med P308 + P311 II CENTER/ doct P303 + P352 II and water. P333 + P311 II CENTER or do P362 + P364 T reuse. P337 + P311 II or doctor/physi	 INHALED: Remove person to fresh air and ble for breathing. ical advice/ attention if you feel unwell. exposed or concerned: Call a POISON or/ .?. ON SKIN (or hair): Wash with plenty of soap skin irritation or rash occurs: Call a POISON bctor/physician. Take off contaminated clothing and wash it before eye irritation persists: Call a POISON CENTER
		Storage: P405 Store loc	ked up.
		Disposal:	
		-	of contents/container to appropriate hazardous n point.
Other	hazards		
None	known.		

Chemical nature

: Sealant

Components



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Cherr	nical name	CAS-No.	Concentration (% w/w)
Limes	stone	1317-65-3	>= 15 - < 20
Titani	um dioxide	13463-67-7	>= 3 - < 5
talc		14807-96-6	>= 3 - < 5
calciu	ım oxide	1305-78-8	>= 1 - < 3
Stode	lard solvent	8052-41-3	>= 1 - < 3
oxazo	-[2-(1-methylethyl)-3- blidinyl]ethyl] hexan-1,2 scarbamate	59719-67-4	>= 1 - < 3
toluer	ne-2,6-diisocyanate	91-08-7	>= 0.4 - < 0.5
	hoxy(3- nylmethoxy)propyl)sila	2530-83-8 ne	>= 0.3 - < 1

SECTION 4. FIRST AID MEASURES

General advice	:	Remove contaminated clothing.
		Move out of dangerous area. Show this material safety data sheet to the doctor in attend- ance. Do not leave the victim unattended.
If inhaled :	:	Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.
		Call a physician or poison control center immediately. If unconscious, place in recovery position and seek medical advice.
In case of skin contact	:	Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.
		If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	:	In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Immediate medical attention required.
		Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed :	:	Rinse mouth and then drink 200-300 ml of water. Do NOT induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.



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			In	nmediate medica	al attention required.	
			K D N If	eep respiratory t o not give milk o ever give anythin symptoms persi	nmediately and call a physician. ract clear. r alcoholic beverages. ng by mouth to an unconscious person. st, call a physician. diately to hospital.	
а	Most important symptoms and effects, both acute and delayed		 May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficul- ties if inhaled. Suspected of causing cancer. Causes damage to organs through prolonged or repeated exposure. 			
٢	Notes to physicial	n	: Т	reat symptomation	cally.	
SECT	ION 5. FIRE-FIG	HTING MEA	SURI	ES		

Suitable extinguishing media	:	Water spray Foam Dry powder Carbon dioxide (CO2)
Unsuitable extinguishing media	:	High volume water jet
Hazardous combustion prod- ucts	:	nitrous gases fumes/smoke isocyanate vapor
Further information	:	Keep containers cool by spraying with water if exposed to fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.
		Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment.
Special protective equipment for fire-fighters	:	Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.
		Wear self-contained breathing apparatus for firefighting if nec- essary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- : Clear area.



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	equipment and emer- cy procedures			sonal protective clothing and equipment. tective equipment. ion. ust.
Envi	ronmental precautions	:	Prevent further le	rom entering drains. akage or spillage if safe to do so. taminates rivers and lakes or drains inform ities.
	nods and materials for ainment and cleaning up	:	Dike spillage.	
			Keep in suitable,	closed containers for disposal.
SECTION	N 7. HANDLING AND ST	OR	AGE	
	ce on protection against and explosion	:	Avoid dust format Provide appropria is formed.	ion. te exhaust ventilation at places where dust
Advi	ce on safe handling	:	chines. Ensure thorough Avoid aerosol forr When handling he be ventilated, and Wear respiratory Danger of burstin Protect against m If bulging of drum	eated product, vapours of the product should l respiratory protection used. protection when spraying. g when sealed gastight. oisture. occurs, transfer to well ventilated area, e pressure, open vent and let stand for 48
			Do not breathe va Avoid exposure - Avoid contact with For personal prot Smoking, eating a plication area. Provide sufficient Dispose of rinse v regulations. Persons suscepti allergies, chronic	obtain special instructions before use.
Con	ditions for safe storage	:	Keep container tig place.	phtly closed in a dry and well-ventilated



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				Observe label pre Electrical installat the technological	ions / working materials must comply with
	Further informations		:	Keep only in the c place. Protect from direc Store protected as	5
	Materials to av	oid	:	Observe VCI stora	age rules.
	Recommendeo perature	d storage tem-	:	41 - 90 °F / 5 - 32	°C
	Further information	ation on stor-	:	No decomposition	if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
calcium oxide	1305-78-8	TWA value	2 mg/m3	ACGIHTLV
		REL value	2 mg/m3	NIOSH
		PEL	5 mg/m3	29 CFR
				1910.1000 (Table Z-1)
		TWA value	5 mg/m3	29 CFR
				1910.1000
				(Table Z-1-A)
		TWA	2 mg/m3	ACGIH
		TWA	2 mg/m3	NIOSH REL
		TWA	5 mg/m3	OSHA Z-1
		TWA	5 mg/m3	OSHA P0
Limestone	1317-65-3	REL value (Respirable)	5 mg/m3	NIOSH
		REL value (Total)	10 mg/m3	NIOSH
		PEL (Respir- able fraction)	5 mg/m3	29 CFR 1910.1000 (Table Z-1)
		PEL (Total dust)	15 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value (Respirable fraction)	5 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA value (Total dust)	15 mg/m3	29 CFR 1910.1000 (Table Z-1-A)

Ingredients with workplace control parameters



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			TWA (total dust)	15 mg/m3	OSHA Z-1	
			TWA (respir- able fraction)	5 mg/m3	OSHA Z-1	
			TWA (Total dust)	15 mg/m3	OSHA P0	
			TWA (respir- able dust fraction)	5 mg/m3	OSHA P0	
			TWA (Res- pirable)	5 mg/m3 (Calcium car- bonate)	NIOSH RE	
			TWA (total)	10 mg/m3 (Calcium car- bonate)	NIOSH RE	
Titani	um dioxide	13463-67-7	TWA value	10 mg/m3	ACGIHTLV	
			PEL (Total dust)	15 mg/m3	29 CFR 1910.1000 (Table Z-1)	
			TWA value (Total dust)	10 mg/m3	29 CFR 1910.1000 (Table Z-1-	
			TWA (total dust)	15 mg/m3	OSHA Z-1	
			TWA (Total dust)	10 mg/m3	OSHA P0	
			TWA	10 mg/m3 (Titanium dioxide)	ACGIH	
talc		14807-96-6	TWA value (Respirable fraction)	2 mg/m3	ACGIHTLV	
			TWA (Dust)	20 Million parti- cles per cubic foot	OSHA Z-3	
			TWA (respir- able dust fraction)	2 mg/m3	OSHA P0	
			TWA (Res- pirable)	2 mg/m3	NIOSH RE	
			TWA	0.1 fibres per cubic centimeter	ACGIH	
			TWA (Res- pirable par- ticulate mat- ter)	2 mg/m3	ACGIH	
Stodd	ard solvent	8052-41-3	TWA value	100 ppm	ACGIHTLV	
			REL value	350 mg/m3	NIOSH	
			Ceil_Time	1,800 mg/m3	NIOSH	
			PEL	500 ppm 2,900 mg/m3	29 CFR 1910.1000 (Table Z-1)	
			TWA value	100 ppm 525 mg/m3	29 CFR 1910.1000	



ersion .1	Revision Date: 11/16/2020		DS Number: 00000659561	t issue: 05/06/2020 t issue: 05/06/2020		
1		1		ĺ	1	(Table Z-1-A
				TWA	100 ppm	ÀCGIH
				TWA	350 mg/m3	NIOSH REL
				С	1,800 mg/m3	NIOSH REL
				TWA	500 ppm	OSHA Z-1
					2,900 mg/m3	
				TWA	100 ppm 525 mg/m3	OSHA P0
Engir	neering measures	:	Provide adeq concentration		ntilation to control wo	ork place
Perso	onal protective equip	ment				
			respirators. When atmosp posure limit (I rators equipp filter can be u change out so For emergend cluding confir piece pressur (SCBA) or a f	oheric levels may PEL or TLV) NIC ed with an orgar sed as long as a chedules are in p cy or non-routine led space entry, e demand self-c	e, high exposure situa use a NIOSH-certifie contained breathing a essure demand suppl	tional ex- ying respi- l particulate ns and ations, in- ed full face- pparatus
Hand	protection					
Re	emarks	:	vent all skin c prene rubber polyethylene upon conditio The suitability	ontact. Suitable (Neoprene) nitri polyvinylchloride ns of use.	gloves should be wo materials may includ le rubber (Buna N) cl e (Pylox) butyl rubber orkplace should be d ective gloves.	le chloro- nlorinated depending
Еуе р	protection	:	Wear face sh Eye wash bot Tightly fitting	ield if splashing tle with pure wa safety goggles		processing
Skin a	and body protection	:	skin contact. Suitable mate saran-coated depending up Choose body	rials may includ material on conditions of protection acco		and con-



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Protective measures		 Wear protective clothing as necessary to prevent contact. Eye wash fountains and safety showers must be easily accessible. Observe the appropriate PEL or TLV value. 		
Hygiene measures		Remove contam re-use or dispos When using do When using do		

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	paste
Color	:	light gray
Odor	:	mild
рН	:	No data available
Melting point	:	No applicable information available.
Boiling point	:	No applicable information available.
Flash point	:	does not flash
Evaporation rate	:	No applicable information available.
Flammability (solid, gas)	:	not flammable Method: Manual of tests and criteria. Test N.1 (United Nations Recommendations on the Transport of Dangerous Goods).
Self-ignition	:	not self-igniting
Upper explosion limit / Upper flammability limit	:	No applicable information available.
Lower explosion limit / Lower flammability limit	:	No applicable information available.
Vapor pressure	:	No applicable information available.
Relative vapor density	:	No applicable information available.
Relative density	:	No applicable information available.
Density	:	10.1 lb/USg (77 °F / 25 °C)



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Solubility(ies) Water solubility		:	insoluble (59 °F	/ 15 °C)	
	Solu	ubility in other solvents	:	No applicable inf	ormation available.
Partition coefficient: n- octanol/water		:	No applicable inf	ormation available.	
I	Decom	position temperature	:	No decompositio scribed/indicated	n if stored and handled as pre- l.
Ň	Viscosi Visc	ty cosity, dynamic	:	No applicable inf	ormation available.
	Visc	osity, kinematic	:	No applicable inf	ormation available.
Explosive properties		:	Not explosive		
(Oxidiziı	ng properties	:	Not an oxidizer.	
	Self-he	ating substances	:	No data available	9
Ś	Sublim	ation point	:	No applicable inf	ormation available.
I	Molecu	lar weight	:	No data available	9.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reac- tions	:	No decomposition if stored and applied as directed.
Conditions to avoid	:	See SDS section 7 - Handling and storage.
Incompatible materials	:	Strong acids Strong bases Strong oxidizing agents Strong reducing agents
Hazardous decomposition products	:	No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Harmful if inhaled.

Product:

SAFETY DATA SHEET

Sikaflex NP 1 limestone Formerly MSeal NP 1 Limestone



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Acute	e inhalation toxicity	: ATE: 14.8 mg/l Remarks: Dete	rmined for vapor
_	corrosion/irritation	ilable information.	
	ous eye damage/eye i ses serious eye irritation		
Resp	piratory or skin sensit	ization	
_	sensitization cause an allergic skin r	eaction.	
•	biratory sensitization cause allergy or asthm	a symptoms or breath	ing difficulties if inhaled.
<u>Prod</u> Rema		: Causes sensitiz	zation.
	n cell mutagenicity classified based on ava	ilable information.	
	inogenicity pected of causing cance	er.	
•	oductive toxicity classified based on ava	ilable information.	
	T-single exposure classified based on ava	ilable information.	
	T-repeated exposure ses damage to organs (Central nervous syste	m) through prolonged or repeated exposure
•	ration toxicity classified based on ava	ilable information.	
Furth	ner information		
<u>Prod</u> Rema		: No data availat	ble

No data available Persistence and degradability No data available



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	Bioaco	cumulative potential			
	Compo	onents:			
		ard solvent: n coefficient: n- l/water	:		(68 °F / 20 °C) coefficient (n-octanol/water), HPLC method.
	Bis[2-[2-(1-methylethyl)-3-o	xazo	olidinyl]ethyl] hex	an-1,2-diylbiscarbamate:
	Partitio octano	n coefficient: n- I/water	:	log Pow: 2.92 (77 Method: other (ca	,
	toluen	e-2,6-diisocyanate:			
	Partitio octano	n coefficient: n- I/water	:	log Pow: 3.74 Method: other (ca	Iculated)
	Mobilit	ty in soil			
	No data	a available			
	Other a	adverse effects			
	Produc				
	Additio mation	nal ecological infor-	:	harmful to aquatic The product has r	obability that the product is not acutely organisms. not been tested. The statements on ecotoxi- derived from the properties of the individual

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods	
Waste from residues	 Dispose of in accordance with national, state and local regulations. Do not contaminate ponds, waterways or ditches with chemical or used container. Do not discharge into drains/surface waters/groundwater.
Contaminated packaging	: Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the sub- stance/product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good



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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

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
toluene-2,6-diisocyanate	91-08-7	100	21097
SARA 313		The following components are subject to reporting levels es- tablished by SARA Title III, Section 313:	

toluene-2,6-	91-08-7
diisocyanate	

US State Regulations

Pennsylvania Right To Know

Titanium dioxide	13463-67-7
Limestone	1317-65-3
4-methyl-m-phenylene diisocyanate	584-84-9
toluene-2,6-diisocyanate	91-08-7
talc	14807-96-6
calcium oxide	1305-78-8
Stoddard solvent	8052-41-3
listed	

New Jersey Right To Know

Titanium dioxide	13463-67-7
talc	14807-96-6
calcium oxide	1305-78-8
Stoddard solvent	8052-41-3
Limestone	1317-65-3
4-methyl-m-phenylene diisocyanate	584-84-9
toluene-2,6-diisocyanate	91-08-7
listedSpecial Hazard.	

California Prop. 65

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

The ingredients of this product are reported in the following inventories:



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TSCA		: All substances	s listed as active on the TSCA inventory

TSCA list

Health

The following substance(s) is/are subject to a Significant New Use Rule: toluene-2,6-diisocyanate 91-08-7

SECTION 16. OTHER INFORMATION

Further information NFPA 704: Flammability

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FLAMMABILITY Instability PHYSICAL HAZARD

HMIS® IV:

HEALTH

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

Full text of other abbreviations

Special hazard

29 CFR 1910.1000 (Table Z- 1-A)	:	OSHA - Table Z-1-A (29 CFR 1910.1000)
29 CFR 1910.1000 (Table Z- 1)	:	OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR 1910.1000
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIHTLV	:	American Conference of Governmental Industrial Hygienists - threshold limit values (US)
NIOSH	:	NIOSH Pocket Guide to Chemical Hazards (US)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA P0	:	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim- its for Air Contaminants
OSHA Z-3	:	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
29 CFR 1910.1000 (Table Z- 1-A) / TWA value	:	Time Weighted Average (TWA):
29 ĆFR 1910.1000 (Table Z- 1) / PEL	:	Permissible exposure limit



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ACGIH / TWA ACGIHTLV / TWA value NIOSH / Ceil_Time NIOSH / REL value NIOSH REL / TWA		 8-hour, time-weighted average Time Weighted Average (TWA): Ceiling Limit Value and Time Period (if specified): Recommended exposure limit (REL): Time-weighted average concentration for up to a 10-hour weighted average of the surger limit (REL): 			
NIOSH REL / C OSHA P0 / TWA OSHA Z-1 / TWA OSHA Z-3 / TWA		 Ceiling value no 8-hour time wei 8-hour time wei 	 workday during a 40-hour workweek Ceiling value not be exceeded at any time. 8-hour time weighted average 8-hour time weighted average 8-hour time weighted average 		

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI -Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ -Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; 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

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ing the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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