SAFETY DATA SHEET

Sikaflex-900 stone 251 Formerly MSeal 900 Stn 251

BUILDING TRUST

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	07/23/2020	000000260951	Date of first issue: 07/23/2020

SECTION 1. IDENTIFICATION

Product name : Sikaflex-900 stone 251 Formerly MSeal 900 Stn 251

Product code : 000000000057627471

Manufacturer or supplier's details

Company name of supplier : Sika MBCC US LLC

Address : 201 POLITO AVE
Lyndhurst NJ 07071

Emergency telephone : ChemTel: +1-813-248-0585

Recommended use of the chemical and restrictions on use

Recommended use : Product for construction chemicals

Restrictions on use : Reserved for industrial and professional use.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

No need for classification according to GHS criteria for this product.

GHS label elements

The product does not require a hazard warning label in accordance with GHS criteria.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : No applicable information available.

Components

Chemical name	CAS-No.	Concentration (% w/w)
Titanium dioxide	13463-67-7	>= 25 - < 50
Iron oxide	1309-37-1	>= 1 - < 3
aluminium hydroxide	21645-51-2	>= 1 - < 3

SECTION 4. FIRST AID MEASURES

General advice : Remove contaminated clothing.

Do not leave the victim unattended.

If inhaled : Keep patient calm, remove to fresh air.

If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : Wash thoroughly with soap and water

In case of eye contact : Wash affected eyes for at least 15 minutes under running water with eyelids held open.

Remove contact lenses.
Protect unharmed eye.
If eye irritation persists, consult a specialist.

If swallowed : Rinse mouth and then drink 200-300 ml of water.

Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed : None known.

Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Foam
Water spray
Dry powder
Carbon dioxide (CO2)

Unsuitable extinguishing media : water jet

Specific hazards during fire fighting : See SDS section 10 - Stability and reactivity.

Hazardous combustion products : harmful vapours
nitrogen oxides
fumes/smoke
carbon black
carbon oxides

Further information : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Do not breathe vapour/aerosol/spray mists. Wear eye/face protection. If exposed to high vapour concentration, leave area immediately. Use personal protective clothing. Handle in accordance with good building materials hygiene and safety practice.
Environmental precautions	:	If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Advice on safe handling	:	For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.
Conditions for safe storage	:	Electrical installations / working materials must comply with the technological safety standards.
Further information on storage conditions	:	Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight.
Materials to avoid	:	No applicable information available. No materials to be especially mentioned.
Further information on storage stability	:	No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Iron oxide	1309-37-1	TWA value (Respirable fraction)	5 mg/m3	ACGIHTLV
		REL value (Dust and fume)	5 mg/m3 (iron (Fe))	NIOSH

		PEL (fumes/smoke)	10 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value (fumes/smoke)	10 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA (Respirable particulate matter)	5 mg/m3	ACGIH
		TWA (dust and fume)	5 mg/m3 (Iron)	NIOSH REL
		TWA (Fumes)	10 mg/m3	OSHA Z-1
		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (Fumes)	10 mg/m3	OSHA P0
Titanium 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-A)
		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (Total dust)	10 mg/m3	OSHA P0
		TWA	10 mg/m3 (Titanium dioxide)	ACGIH
aluminium hydroxide	21645-51-2	TWA value (Respirable fraction)	1 mg/m3	ACGIHTLV
		TWA (Respirable particulate matter)	1 mg/m3 (Aluminum)	ACGIH

Engineering measures : No applicable information available.

Personal protective equipment

Respiratory protection : Wear respiratory protection if ventilation is inadequate.

Hand protection

Remarks : impermeable gloves rubber Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection : Safety glasses

Skin and body protection	:	Protective suit
Protective measures	:	Do not inhale gases/vapours/aerosols. Avoid contact with the skin, eyes and clothing. Avoid exposure - obtain special instructions before use. Handle in accordance with good building materials hygiene and safety practice. Wearing of closed work clothing is recommended.
Hygiene measures	:	General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	paste
Color	:	tan
pH	:	neutral to slightly alkaline
Flash point	:	376 °F / 191 °C Method: Flash-Point by Pensky-Martens Closed Cup Tester. 375.80 °F / 191.00 °C Method: Flash-Point by Pensky-Martens Closed Cup Tester., closed cup
Evaporation rate	:	No applicable information available.
Flammability (solid, gas)	:	not highly flammable
Relative vapor density	:	Heavier than air.
Relative density	:	No applicable information available.
Density	:	approx. 1.58 g/cm3 (approx. 68 °F / 20 °C) approx. 13.15 lb/USg (approx. 68 °F / 20 °C)
Solubility(ies)		
Water solubility	:	partly soluble (68 °F / 20 °C)
Solubility in other solvents	:	No applicable information available.
Autoignition temperature	:	No data available
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		

Viscosity, kinematic	:	No applicable information available.
Oxidizing properties	:	Based on its structural properties the product is not classified as oxidizing.
Sublimation point	:	No applicable information available.
Molecular weight	:	No data available.
Metal corrosion rate	:	Corrosive effects to metal are not anticipated.

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 reactions	:	Stable under recommended storage conditions. No hazards to be specially mentioned.
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

Not classified based on available information.

Product:

Acute oral toxicity	:	Remarks: No applicable information available.
Acute inhalation toxicity	:	Remarks: No applicable information available.
Acute dermal toxicity	:	Remarks: No applicable information available.

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Product:

No aspiration hazard expected.

Further information

Product:

Remarks	:	The product has not been tested. The statement has been derived from the properties of the individual components.
Remarks	:	No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

Components:

Titanium dioxide:

Partition coefficient: n-octanol/water	:	Remarks: not applicable

Iron oxide:

Partition coefficient: n-octanol/water : Remarks: Study scientifically not justified.

aluminium hydroxide:

Partition coefficient: n-octanol/water : Remarks: The value has not been determined because the substance is inorganic.

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information : There is a high probability that the product is not acutely harmful to aquatic organisms.
The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with national, state and local regulations.
Do not discharge into drains/surface waters/groundwater.
Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging : Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG
Not regulated as a dangerous good

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

SECTION 15. REGULATORY INFORMATION

Clean Air Act

:

CA TAC :

HON HAP (US) :

:

Threshold for emissions from stacks less than 25 ft::

Ambient air standard::

Threshold for emissions from stacks less than 25 ft::

Threshold for emissions from stacks 40 to less than 75 ft::

Threshold for emissions from stacks 25 to less than 40 ft::

Threshold for emissions from stacks greater than or equal to 75 ft::

Ambient air standard::

Threshold for emissions from stacks 40 to less than 75 ft::

Threshold for emissions from stacks 25 to less than 40 ft::

Threshold for emissions from stacks greater than or equal to 75 ft::

HON SOC (US) : Group I

:

Maximum allowable concentration::

VOC AE (US) Reactivity factor::

VOC (US) :

VOC EQ (US) :

CA MIR Maximum Incremental Reactivity (MIR) value::

CAA (US) :

:

:

CA TAC	:
HON HAP (US)	:
	:
	Threshold for emissions from stacks less than 25 ft::
	Ambient air standard::
	Threshold for emissions from stacks less than 25 ft::
	Threshold for emissions from stacks 40 to less than 75 ft::
	Threshold for emissions from stacks 25 to less than 40 ft::
	Threshold for emissions from stacks greater than or equal to 75 ft::
	Ambient air standard::
	Threshold for emissions from stacks 40 to less than 75 ft::
	Threshold for emissions from stacks 25 to less than 40 ft::
	Threshold for emissions from stacks greater than or equal to 75 ft::
HON SOC (US)	: Group I
	:
	Maximum allowable concentration::
VOC AE (US)	Reactivity factor::
VOC (US)	:
VOC EQ (US)	:
CA MIR	Maximum Incremental Reactivity (MIR) value::
CAA (US)	:
	:
	:
CA TAC	:
CAA (US)	:
	Weight Factor::

	Threshold for emissions from stacks less than 25 ft::
	Threshold for emissions from stacks 25 to less than 40 ft::
	Threshold for emissions from stacks greater than or equal to 75 ft::
	Threshold for emissions from stacks 40 to less than 75 ft::
	Ambient air standard::
	:
	Maximum allowable concentration::
	:
CA TAC	Threshold Determination:: None identified
	:
CAA (US)	Weight Factor::
	Threshold for emissions from stacks 25 to less than 40 ft::
	Threshold for emissions from stacks less than 25 ft::
	Threshold for emissions from stacks 40 to less than 75 ft::
	Threshold for emissions from stacks greater than or equal to 75 ft::
	Ambient air standard::
	:
CAA (US)	:
	:
CA TAC	:
CAA (US)	Weight Factor::
	Threshold for emissions from stacks greater than or equal to 75 ft::
	Threshold for emissions from stacks 25 to less than 40 ft::
	Ambient air standard::
	Threshold for emissions from stacks 25 to less than 40 ft::
	Threshold for emissions from stacks 25 to less than 40 ft::

Ambient air standard::

Threshold for emissions from stacks greater than or equal to 75 ft::

Threshold for emissions from stacks 25 to less than 40 ft::

Threshold for emissions from stacks greater than or equal to 75 ft::

Threshold for emissions from stacks greater than or equal to 75 ft::

Threshold for emissions from stacks 40 to less than 75 ft::

Threshold for emissions from stacks 40 to less than 75 ft::

Threshold for emissions from stacks 40 to less than 75 ft::

Threshold for emissions from stacks 40 to less than 75 ft::

Threshold for emissions from stacks less than 25 ft::

Threshold for emissions from stacks less than 25 ft::

Threshold for emissions from stacks less than 25 ft::

Threshold for emissions from stacks less than 25 ft::

Ambient air standard::

Ambient air standard::

:

CAA (US) :

:

CA TAC :

CAA (US) :

Threshold for emissions from stacks less than 25 ft::

Threshold for emissions from stacks greater than or equal to 75 ft::

Threshold for emissions from stacks 40 to less than 75 ft::

Ambient air standard::

Threshold for emissions from stacks 25 to less than 40 ft::

:

Maximum allowable concentration::

:

CA TAC :

CAA (US) :

Weight Factor::

Threshold for emissions from stacks less than 25 ft::

Threshold for emissions from stacks 25 to less than 40 ft::

Threshold for emissions from stacks greater than or equal to 75 ft::

Threshold for emissions from stacks 40 to less than 75 ft::

Ambient air standard::

:

Maximum allowable concentration::

:

CA TAC Threshold Determination:: None identified

:

CAA (US) Weight Factor::

Threshold for emissions from stacks 25 to less than 40 ft::

Threshold for emissions from stacks less than 25 ft::

Threshold for emissions from stacks 40 to less than 75 ft::

Threshold for emissions from stacks greater than or equal to 75 ft::

Ambient air standard::

:

CAA (US) :

:

CA TAC :

CAA (US)	Weight Factor::
	Threshold for emissions from stacks greater than or equal to 75 ft::
	Threshold for emissions from stacks 25 to less than 40 ft::
	Ambient air standard::
	Threshold for emissions from stacks 25 to less than 40 ft::
	Threshold for emissions from stacks 25 to less than 40 ft::
	Ambient air standard::
	Threshold for emissions from stacks greater than or equal to 75 ft::
	Threshold for emissions from stacks 25 to less than 40 ft::
	Threshold for emissions from stacks greater than or equal to 75 ft::
	Threshold for emissions from stacks greater than or equal to 75 ft::
	Threshold for emissions from stacks 40 to less than 75 ft::
	Threshold for emissions from stacks 40 to less than 75 ft::
	Threshold for emissions from stacks 40 to less than 75 ft::
	Threshold for emissions from stacks 40 to less than 75 ft::
	Threshold for emissions from stacks less than 25 ft::
	Threshold for emissions from stacks less than 25 ft::
	Threshold for emissions from stacks less than 25 ft::
	Threshold for emissions from stacks less than 25 ft::
	Ambient air standard::
	Ambient air standard::
	:
CAA (US)	:
	:
	:

CA TAC	:
HON HAP (US)	:
	:
	Threshold for emissions from stacks less than 25 ft::
	Ambient air standard::
	Threshold for emissions from stacks less than 25 ft::
	Threshold for emissions from stacks 40 to less than 75 ft::
	Threshold for emissions from stacks 25 to less than 40 ft::
	Threshold for emissions from stacks greater than or equal to 75 ft::
	Ambient air standard::
	Threshold for emissions from stacks 40 to less than 75 ft::
	Threshold for emissions from stacks 25 to less than 40 ft::
	Threshold for emissions from stacks greater than or equal to 75 ft::
HON SOC (US)	: Group I
	:
	Maximum allowable concentration::
VOC AE (US)	Reactivity factor::
VOC (US)	:
VOC EQ (US)	:
CA MIR	Maximum Incremental Reactivity (MIR) value::
CAA (US)	:
	:
	:
CA TAC	:
HON HAP (US)	:
	:

	Threshold for emissions from stacks less than 25 ft::
	Ambient air standard::
	Threshold for emissions from stacks less than 25 ft::
	Threshold for emissions from stacks 40 to less than 75 ft::
	Threshold for emissions from stacks 25 to less than 40 ft::
	Threshold for emissions from stacks greater than or equal to 75 ft::
	Ambient air standard::
	Threshold for emissions from stacks 40 to less than 75 ft::
	Threshold for emissions from stacks 25 to less than 40 ft::
	Threshold for emissions from stacks greater than or equal to 75 ft::
HON SOC (US)	: Group I
	:
	Maximum allowable concentration::
VOC AE (US)	Reactivity factor::
VOC (US)	:
VOC EQ (US)	:
CA MIR	Maximum Incremental Reactivity (MIR) value::
CAA (US)	:
	:
	:
CA TAC	:
HON HAP (US)	:
	:
	Threshold for emissions from stacks less than 25 ft::
	Ambient air standard::
	Threshold for emissions from stacks less than 25 ft::

	Threshold for emissions from stacks 40 to less than 75 ft::
	Threshold for emissions from stacks 25 to less than 40 ft::
	Threshold for emissions from stacks greater than or equal to 75 ft::
	Ambient air standard::
	Threshold for emissions from stacks 40 to less than 75 ft::
	Threshold for emissions from stacks 25 to less than 40 ft::
	Threshold for emissions from stacks greater than or equal to 75 ft::
HON SOC (US)	: Group I
	:
	Maximum allowable concentration::
VOC AE (US)	Reactivity factor::
VOC (US)	:
VOC EQ (US)	:
CA MIR	Maximum Incremental Reactivity (MIR) value::
CAA (US)	:
	:

US State Regulations

Pennsylvania Right To Know

Iron oxide	1309-37-1

New Jersey Right To Know

carbon black	1333-86-4

California Prop. 65

WARNING: This product can expose you to chemicals including carbon black, which is/are known to the State of California to cause cancer, and
toluene, 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.

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

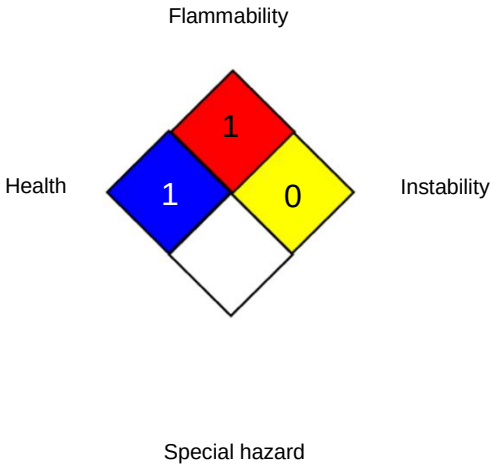
DSL : All components of this product are on the Canadian DSL

TSCA	:	All chemical substances in this product are either listed as active on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

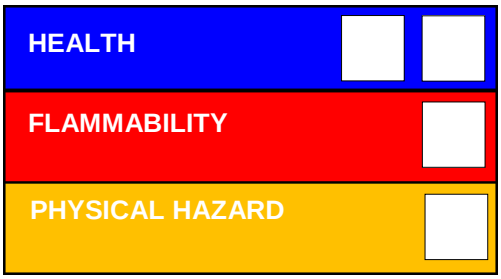
SECTION 16. OTHER INFORMATION

Further information

NFPA 704:



HMIS® IV:



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

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 Limits for Air Contaminants
29 CFR 1910.1000 (Table Z-1-A) / TWA value	:	Time Weighted Average (TWA):
29 CFR 1910.1000 (Table Z-1) / PEL	:	Permissible exposure limit
ACGIH / TWA	:	8-hour, time-weighted average
ACGIHTLV / TWA value	:	Time Weighted Average (TWA):
NIOSH / REL value	:	Recommended exposure limit (REL):
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek

OSHA P0 / TWA : 8-hour time weighted average
OSHA Z-1 / TWA : 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 : 07/23/2020

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