

# Sikaflex HY 100 redwood tan Formerly MSeal NP 100 Rwd Tan

Version Revision Date: SDS Number: Date of last issue: -

1.0 07/31/2020 000000624705 Date of first issue: 07/31/2020

#### **SECTION 1. IDENTIFICATION**

Product name : Sikaflex HY 100 redwood tan Formerly MSeal NP 100 Rwd

Tan

Product code : 00000000050387013

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

Serious eye damage/eye

irritation

: Category 2A

Skin sensitization : 1A

Carcinogenicity : 1A

Reproductive toxicity : 1B

Reproductive toxicity : 1B

Short-term (acute) aquatic

hazard

3

Long-term (chronic) aquatic

hazard

: 3

**GHS** label elements

Hazard pictograms





Signal Word : Danger





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Hazard Statements H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H350 May cause cancer.

H360 May damage fertility or the unborn child.

H402 Harmful to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

**Precautionary Statements** Prevention:

P280 Wear protective gloves/ protective clothing/ eye protection/

face protection.

P201 Obtain special instructions before use.

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P202 Do not handle until all safety precautions have been read

and understood.

P273 Avoid release to the environment.

P272 Contaminated work clothing should not be allowed out of

the workplace.

P264 Wash face, hands and any exposed skin thoroughly after

handling.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing.

P308 + P311 IF exposed or concerned: Call a POISON

CENTER/ doctor.

P303 + P352 IF ON SKIN (or hair): Wash with plenty of soap

and water.

P362 + P364 Take off contaminated clothing and wash it before

P337 + P311 If eye irritation persists: Call a POISON CENTER

or doctor/physician.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/container to appropriate hazardous

waste collection point.

Other hazards

No data available.

## **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical nature Sealant

### Components

| Chemical name                 | CAS-No.    | Concentration (% w/w) |
|-------------------------------|------------|-----------------------|
| dibutyltin dilaurate          | 77-58-7    | >= 0 - < 1            |
| Quartz (SiO2)                 | 14808-60-7 | >= 0 - < 1            |
| 2-(2H-Benzotriazol-2-yl)-4,6- | 25973-55-1 | >= 0.2 - < 3          |



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| ditertpentylphenol                                    |            |              |
|---|------------|--------------|
| bis(1,2,2,6,6-pentamethyl-4-                          | 41556-26-7 | >= 0 - < 3   |
| piperidyl)sebacate                                    |            |              |
| bis(2,2,6,6-tetramethyl-4-<br>piperidyl)sebacate      | 52829-07-9 | >= 0.2 - < 3 |
| Methyl 1,2,2,6,6-pentamethyl-4-<br>piperidyl sebacate | 82919-37-7 | >= 0 - < 1   |
| N-(3-   | 1760-24-3  | >= 0.2 - < 3 |
| (Trimethoxysi-  |            |              |
| lyl)propyl)ethylenediamine                            |            |              |
| Trimethoxyvinylsilane                                 | 2768-02-7  | >= 0.3 - < 3 |
| Dibutylbis(pentane-2,4-dionato-                       | 22673-19-4 | >= 0 - < 1   |
| O,O')tin  |            |              |
| calcium carbonate                                     | 471-34-1   | >= 3 - < 50  |
| Limestone   | 1317-65-3  | >= 3 - < 50  |
| stearic acid  | 57-11-4    | >= 0.1 - < 7 |

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

General advice : 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 : If unconscious, place in recovery position and seek medical

advice.

If symptoms persist, call a physician.

In case of skin contact : If skin irritation persists, call a physician.

If on skin, rinse well with water. If on clothes, remove clothes.

In case of eye contact : 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 : Induce vomiting immediately and call a physician.

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. Take victim immediately to hospital.

Most important symptoms and effects, both acute and

May cause an allergic skin reaction.

Causes serious eye irritation.

delayed

May cause cancer.

May damage fertility or the unborn child.

Notes to physician : Treat symptomatically.



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**SECTION 5. FIRE-FIGHTING MEASURES** 

Suitable extinguishing media : Water spray

Foam Dry powder

Carbon dioxide (CO2)

Unsuitable extinguishing

media

High volume water jet

Specific hazards during fire

fighting

Do not allow run-off from fire fighting to enter drains or water

courses.

Further information : Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

Special protective equipment:

for fire-fighters

Wear self-contained breathing apparatus for firefighting if nec-

essary.

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protec: :

tive equipment and emer-

gency procedures

Use personal protective equipment.

Avoid dust formation. Avoid breathing dust.

Environmental precautions : Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform

respective authorities.

Methods and materials for

containment and cleaning up

Keep in suitable, closed containers for disposal.

#### **SECTION 7. HANDLING AND STORAGE**

Advice on protection against

fire and explosion

Avoid dust formation.

Provide appropriate exhaust ventilation at places where dust

is formed.

Advice on safe handling : Avoid formation of respirable particles.

Do not breathe vapors/dust.

Avoid exposure - obtain special instructions before use.

Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the ap-

plication area.

Dispose of rinse water in accordance with local and national

regulations.

Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not



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be employed in any process in which this mixture is being

used.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated

place.

Containers which are opened must be carefully resealed and

kept upright to prevent leakage. Observe label precautions.

Electrical installations / working materials must comply with

the technological safety standards.

Further information on stor-

age conditions

Keep only in the original container in a cool, well-ventilated

place.

Protect from direct sunlight. Store protected against freezing.

Materials to avoid : Observe VCI storage rules.

Further information on stor-

age 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<br>(Form of<br>exposure)                | Control parameters / Permissible concentration | Basis                              |
|----------------------|---------|--|--|------------------------------------|
| stearic acid         | 57-11-4 | TWA value<br>(Inhalable<br>fraction)               | 10 mg/m3                                       | ACGIHTLV                           |
|                      |         | TWA value<br>(Respirable<br>fraction)              | 3 mg/m3  | ACGIHTLV                           |
|                      |         | TWA (Inhal-<br>able particu-<br>late matter)       | 10 mg/m3                                       | ACGIH                              |
|                      |         | TWA (Res-<br>pirable par-<br>ticulate mat-<br>ter) | 3 mg/m3  | ACGIH                              |
| dibutyltin dilaurate | 77-58-7 | TWA value  | 0.1 mg/m3<br>(tin (Sn))                        | ACGIHTLV                           |
|                      |         | STEL value   | 0.2 mg/m3<br>(tin (Sn))                        | ACGIHTLV                           |
|                      |         | REL value  | 0.1 mg/m3<br>(tin (Sn))                        | NIOSH                              |
|                      |         | PEL  | 0.1 mg/m3<br>(tin (Sn))                        | 29 CFR<br>1910.1000<br>(Table Z-1) |
|                      |         | TWA value  | 0.1 mg/m3<br>(tin (Sn))                        | 29 CFR<br>1910.1000                |



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| ſ                 | I         | 1                                     | ſ                                    | (Table Z-1-A)                        |
|-------------------|-----------|---------------------------------------|--------------------------------------|--------------------------------------|
|                   |           | TWA                                   | 0.1 mg/m3<br>(Tin)                   | OSHA Z-1                             |
|                   |           | TWA                                   | 0.1 mg/m3<br>(Tin)                   | ACGIH                                |
|                   |           | STEL                                  | 0.2 mg/m3<br>(Tin)                   | ACGIH                                |
|                   |           | TWA                                   | 0.1 mg/m3<br>(Tin)                   | OSHA P0                              |
|                   |           | TWA                                   | 0.1 mg/m3<br>(Tin)                   | NIOSH REL                            |
| calcium carbonate | 471-34-1  | REL value<br>(Total)                  | 10 mg/m3                             | NIOSH                                |
|                   |           | REL value<br>(Respirable)             | 5 mg/m3                              | NIOSH                                |
|                   |           | PEL (Respirable fraction)             | 5 mg/m3                              | 29 CFR<br>1910.1000<br>(Table Z-1)   |
|                   |           | PEL (Total dust)                      | 15 mg/m3                             | 29 CFR<br>1910.1000<br>(Table Z-1)   |
|                   |           | TWA (Respirable)                      | 5 mg/m3<br>(Calcium car-<br>bonate)  | NIOSH REL                            |
|                   |           | TWA (total)                           | 10 mg/m3<br>(Calcium car-<br>bonate) | NIOSH REL                            |
| Limestone         | 1317-65-3 | REL value<br>(Respirable)             | 5 mg/m3                              | NIOSH                                |
|                   |           | REL value<br>(Total)                  | 10 mg/m3                             | NIOSH                                |
|                   |           | PEL (Respirable fraction)             | 5 mg/m3                              | 29 CFR<br>1910.1000<br>(Table Z-1)   |
|                   |           | PEL (Total<br>dust)                   | 15 mg/m3                             | 29 CFR<br>1910.1000<br>(Table Z-1)   |
|                   |           | TWA value<br>(Respirable<br>fraction) | 5 mg/m3                              | 29 CFR<br>1910.1000<br>(Table Z-1-A) |
|                   |           | TWA value<br>(Total dust)             | 15 mg/m3                             | 29 CFR<br>1910.1000<br>(Table Z-1-A) |
|                   |           | TWA (total dust)                      | 15 mg/m3                             | OSHA Z-1                             |
|                   |           | TWA (respirable fraction)             | 5 mg/m3                              | OSHA Z-1                             |
|                   |           | TWA (Total dust)                      | 15 mg/m3                             | OSHA P0                              |
|                   |           | TWA (respirable dust fraction)        | 5 mg/m3                              | OSHA P0                              |





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| TWA (Respirable) | 5 mg/m3<br>(Calcium car-<br>bonate)  | NIOSH REL |
|------------------|--------------------------------------|-----------|
| TWA (total)      | 10 mg/m3<br>(Calcium car-<br>bonate) | NIOSH REL |

Personal protective equipment

Respiratory protection : Wear respiratory protection if ventilation is inadequate.

Hand protection

Remarks : The suitability for a specific workplace should be discussed

with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water

Tightly fitting safety goggles

Wear face-shield and protective suit for abnormal processing

problems.

Skin and body protection : Choose body protection according to the amount and con-

centration of the dangerous substance at the work place.

Protective measures : Avoid contact with the skin, eyes and clothing.

No special measures necessary if stored and handled cor-

rectly.

Handle in accordance with good building materials hygiene

and safety practice.

Wearing of closed work clothing is recommended.

Hygiene measures : When using do not eat or drink.

When using do not smoke.

Wash hands before breaks and at the end of workday.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : paste

Color : red-brown

Odor : faint odour

Odor Threshold : No data available

pH : not applicable

Melting point : No applicable information available.

Flash point :  $> 253.4 \, ^{\circ}\text{F} / > 123.0 \, ^{\circ}\text{C}$ 



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Method: Standard Method of Test for Flash Point by Setaflash

**Closed Tester** 

Flammability (solid, gas) : not determined

Self-ignition : not self-igniting

Density : 1.4 g/cm3 (72 - 77 °F / 22 - 25 °C)

11.65 lb/USg

Solubility(ies)

Water solubility : insoluble (59 °F / 15 °C)

Autoignition temperature : not determined

Decomposition temperature : No decomposition if stored and handled as pre-

scribed/indicated.

Oxidizing properties : Based on its structural properties the product is not classified

as oxidizing.

Self-heating substances : No data available

Molecular weight : No data available

**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**

Not classified based on available information.



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#### Skin corrosion/irritation

Not classified based on available information.

**Product:** 

Remarks : May cause skin irritation and/or dermatitis.

## Serious eye damage/eye irritation

Causes serious eye irritation.

**Product:** 

Remarks : May cause irreversible eye damage.

## Respiratory or skin sensitization

#### Skin sensitization

May cause an allergic skin reaction.

# Respiratory sensitization

Not classified based on available information.

**Product:** 

Remarks : Causes sensitization.

## Germ cell mutagenicity

Not classified based on available information.

### Carcinogenicity

May cause cancer.

#### Reproductive toxicity

May damage fertility or the unborn child.

## 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 : No data available



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### **SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity** 

No data available

Persistence and degradability

No data available

**Bioaccumulative potential** 

**Components:** 

dibutyltin dilaurate:

Partition coefficient: n- : log Pow: 3.17 (69.4 °F / 20.8 °C)

octanol/water pH: 6.1 - 6.3

Method: Partition coefficient (n-octanol/water), Shake-flask

method GLP: yes

Quartz (SiO2):

Partition coefficient: n-

octanol/water

Remarks: not applicable

2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol:

Partition coefficient: n- : log Pow: > 6.5 (73 °F / 23 °C)

octanol/water pH: 6.4

Method: Partition coefficient (n-octanol/water), HPLC method.

log Pow: 7.3 (77 °F / 25 °C) Method: other (calculated)

bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate:

Partition coefficient: n- : Remarks: No data available.

octanol/water

bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate:

Partition coefficient: n- : log Pow: 0.35 (77 °F / 25 °C)

octanol/water pH: 7

Method: Partition coefficient (n-octanol/water), Shake-flask

method

Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:

Partition coefficient: n- : Remarks: No data available.

octanol/water

N-(3-(Trimethoxysilyl)propyl)ethylenediamine:

Partition coefficient: n- : log Pow: -0.82

octanol/water Method: other (calculated)



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Trimethoxyvinylsilane:

Partition coefficient: n-

octanol/water

log Pow: 1.1 (68 °F / 20 °C)

Dibutylbis(pentane-2,4-dionato-O,O')tin:

Partition coefficient: n-

octanol/water

: Remarks: Study technically not feasible.

calcium carbonate:

Partition coefficient: n-

octanol/water

GLP: no

Remarks: The value has not been determined because the

substance is inorganic.

stearic acid:

Partition coefficient: n-

octanol/water

Remarks: No data available.

log Pow: 8.23

Method: other (measured)

Mobility in soil

No data available

Other adverse effects

**Product:** 

Additional ecological infor-

mation

An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal.

Harmful to aquatic life.

Harmful to aquatic life with long lasting effects.

#### **SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods** 

Waste from residues : Do not contaminate ponds, waterways or ditches with chemi-

cal or used container.

Dispose of in accordance with national, state and local regula-

tions.

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**



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#### 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**

## **US State Regulations**

### Pennsylvania Right To Know

| Quartz (SiO2)                 | 14808-60-7 |
|-------------------------------|------------|
| Limestone                     | 1317-65-3  |
| calcium carbonate             | 471-34-1   |
| Di-isononylphthalate          | 28553-12-0 |
| bis(2-propylheptyl) phthalate | 53306-54-0 |
| listed                        |            |

### **New Jersey Right To Know**

| bis(2-propylheptyl) phthalate | 53306-54-0 |
|-------------------------------|------------|
| Limestone                     | 1317-65-3  |
| calcium carbonate             | 471-34-1   |
| Quartz (SiO2)                 | 14808-60-7 |
| listedSpecial Hazard.         |            |

## California Prop. 65

WARNING: This product can expose you to chemicals including lead, 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:

TSCA : On the inventory, or in compliance with the inventory

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

## **Further information**

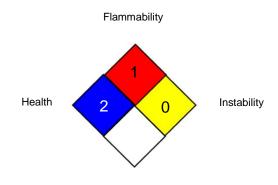


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## NFPA 704:



Special hazard

### 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- : OSHA - Table Z-1-A (29 CFR 1910.1000)

1-A)

29 CFR 1910.1000 (Table Z- : OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR

1) 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 PO : 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

29 CFR 1910.1000 (Table Z- : Time Weighted Average (TWA):

1-A) / TWA value

29 CFR 1910.1000 (Table Z- : Permissible exposure limit

1) / PEL

ACGIH / TWA : 8-hour, time-weighted average ACGIH / STEL : Short-term exposure limit

ACGIHTLV / STEL value : Short Term Exposure Limit (STEL):
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



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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

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