

SAFETY DATA SHEET

according to US Regulation 29 CFR 1910.1200 and the Canadian HPA

Pulsar Infinity Tabs

Version 1.3 Revision Date 2018.08.23 Print Date 2019.05.06

SECTION 1. IDENTIFICATION

Product name : Pulsar Infinity Tabs

Manufacturer or supplier's details

Company : Arch Chemicals, Inc.

1200 Bluegrass Lakes Parkway

Alpharetta, GA

30004

United States of America (USA)

E-mail address : sds@lonza.com

Emergency telephone number : In case of emergency call CHEMTREC US: 1-800-424-9300,

CHEMTREC WORLD-WIDE: +1-703-527-3887.

Recommended use of the chemical and restrictions on use

Recommended use : Water treatment chemical

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Oxidizing solids : Category 3

Acute toxicity (Oral) : Category 4

Acute toxicity (Inhalation) : Category 2

Skin corrosion : Category 1B

Serious eye damage : Category 1

Specific target organ toxicity -

single exposure

: Category 3 (Respiratory system)

GHS label elements

Hazard pictograms









Signal word : Danger

Hazard statements : H272 May intensify fire; oxidizer.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H330 Fatal if inhaled.

H335 May cause respiratory irritation.



Precautionary statements : Prevention:

P210 Keep away from heat.

P220 Keep/Store away from clothing/ combustible materials. P221 Take any precaution to avoid mixing with combustibles.

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P284 Wear respiratory protection.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON

CENTER/doctor if you feel unwell. Rinse mouth.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.

P305 + P351 + P338 + P310 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.

P312 Call a POISON CENTER/doctor if you feel unwell.

P363 Wash contaminated clothing before reuse.

P370 + P378 In case of fire: Use water spray to extinguish.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture Mixture

Hazardous components

| Chemical name / Synonyms | CAS-No. | Concentration (% w/w) |
|--------------------------|------------|-----------------------|
| Calcium hypochlorite | 7778-54-3 | 62 - 75 |
| Calcium dihydroxide | 1305-62-0 | 7 - 16 |
| Calcium chloride | 10043-52-4 | 0 - 5 |
| Calcium carbonate | 471-34-1 | 0 - 4 |

SECTION 4. FIRST AID MEASURES

General advice Call a poison control center or doctor for treatment advice. For

24-hour emergency medical assistance, call Arch Chemical Emergency Action Network at 1-800-654-6911. Have the



product container or label with you when calling a poison con-

trol center or doctor, or going for treatment.

If inhaled : IF INHALED: Move person to fresh air. If person is not breath-

ing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control

center or doctor for further treatment advice.

In case of skin contact : IF ON SKIN OR CLOTHING: Take off contaminated clothing.

Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

In case of eye contact : IF IN EYES: Hold eye open and rinse slowly and gently with

water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poi-

son control center or doctor for treatment advice.

If swallowed : IF SWALLOWED: Call a poison control center or doctor im-

mediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any-

thing by mouth to an unconscious person.

Most important symptoms and ef-

fects, both acute and delayed

: None known.

Notes to physician : Probable mucosal damage may contraindicate the use of gas-

tric lavage.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water only.

Do not use dry extinguishers containing ammonium com-

pounds.

Further information : Use water to cool containers exposed to fire. See Section 6

for protective equipment for fire fighting.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: Response to a large quantity spill (100 pounds or greater) or when dusting or decomposition gas exposure could occur requires the use of a positive pressure full face supplied air repirator or self contained breathing apparatus (SCBA), chemical resistant gloves, coveralls and boots. In case of fire, this personal protective equipment should be used in addition to normal fire fighter equipment.

Hazardous concentrations in air may be found in local spill

area and immediately downwind. Remove all sources of ignition.

Stop source of spill as soon as possible and notify appropriate

personnel.

Dispose of spill residues per guidelines under Section 13,

Disposal Consideration.

This material may be neutralized for disposal; you are re-



quested to contact Arch Chemicals at 1-800-654-6911 before

beginning any such procedure.

FOR ALL TRANSPORTATION ACCIDENTS, CALL

CHEMTREC: 1-800-424-9300

REPORTABLE QUANTITY: 10 lbs. (as calcium hypochlorite)

per 40 CFR 302.4.

SECTION 7. HANDLING AND STORAGE

: Avoid inhalation of dust and fumes. Advice on safe handling

Do not take internally. Avoid contact with skin, eyes and clothing. Upon contact with skin or eyes, wash off with water. Remove contaminated clothing and wash before reuse.

: Keep product tightly sealed in original containers. Store prod-Conditions for safe storage

> uct in a cool, dry, well-ventilated area. Store away from combustible or flammable products. Keep product packaging clean and free of all contamination, including, e.g. other pool treatment products, acids, organic materials, nitrogen-

containing compounds, dry powder fire extinguishers (containing mono-ammonium phosphate), oxidizers, all corrosive liq-

uids, flammable or combustible materials, etc.

Further information on storage sta-

bility

Average daily temperature of 35° C / 95° F. Storage above this temperature may result in rapid decomposition, evolution of chlorine gas and heat sufficient to ignite combustible prod-

ucts.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|---------------------|-----------|-------------------------------------|--|-------------|
| Calcium dihydroxide | 1305-62-0 | TWA | 5 mg/m3 | ACGIH |
| | | REL | 5 mg/m3 | NIOSH/GUIDE |
| | | PEL (Total dust.) | 15 mg/m3 | OSHA_TRANS |
| | | PEL (Respirable fraction.) | 5 mg/m3 | OSHA_TRANS |
| | | TWA | 5 mg/m3 | Z1A |
| Calcium carbonate | 471-34-1 | REL (Total) | 10 mg/m3 | NIOSH/GUIDE |
| | | REL (Respir- able.) | 5 mg/m3 | NIOSH/GUIDE |
| | | PEL (Total dust.) | 15 mg/m3 | OSHA_TRANS |
| | | PEL (Respirable fraction.) | 5 mg/m3 | OSHA_TRANS |
| | | TWA (Total dust.) | 15 mg/m3 | Z1A |
| | | TWA (Res- | 5 mg/m3 | Z1A |



| | | pirable frac- tion.) | | |
|---------------------|-----------|-------------------------|----------|-----------------|
| Calcium dihydroxide | 1305-62-0 | TWA | 5 mg/m3 | ACGIH |
| Calciant anyaroxido | 1000 02 0 | REL | 5 mg/m3 | NIOSH/GUIDE |
| | | PEL (Total | 15 mg/m3 | OSHA_TRANS |
| | | dust.) | 10 mg/mo | 0011/12/11/11/0 |
| | | PEL (Respir- | 5 mg/m3 | OSHA_TRANS |
| | | able frac- | | _ |
| | | tion.) | | |
| | | TWÁ | 5 mg/m3 | Z1A |
| Calcium carbonate | 471-34-1 | REL (Total) | 10 mg/m3 | NIOSH/GUIDE |
| | | REL (Respir- | 5 mg/m3 | NIOSH/GUIDE |
| | | able.) | | |
| | | PEL (Total | 15 mg/m3 | OSHA_TRANS |
| | | dust.) | | |
| | | PEL (Respir- | 5 mg/m3 | OSHA_TRANS |
| | | able frac- | | |
| | | tion.) | | |
| | | TWA (Total | 15 mg/m3 | Z1A |
| | | dust.) | | |
| | | TWA (Res- | 5 mg/m3 | Z1A |
| | | pirable frac- | | |
| Oald as Planta the | 1005.00.0 | tion.) | 5 / 0 | 400111 |
| Calcium dihydroxide | 1305-62-0 | TWA REL | 5 mg/m3 | ACGIH |
| | | | 5 mg/m3 | NIOSH/GUIDE |
| | | PEL (Total | 15 mg/m3 | OSHA_TRANS |
| | | dust.) PEL (Respir- | 5 mg/m3 | OSHA_TRANS |
| | | able frac- | 5 mg/ms | USHA_I KANS |
| | | tion.) | | |
| | | TWA | 5 mg/m3 | Z1A |
| Calcium carbonate | 471-34-1 | REL (Total) | 10 mg/m3 | NIOSH/GUIDE |
| Calciant carbonate | | REL (Respir- | 5 mg/m3 | NIOSH/GUIDE |
| | | able.) | o mg/mo | 1410011/00122 |
| | | PEL (Total | 15 mg/m3 | OSHA_TRANS |
| | | dust.) | 3 | |
| | | PEL (Respir- | 5 mg/m3 | OSHA_TRANS |
| | | able frac- | | |
| | | tion.) | | |
| | | TWA (Total | 15 mg/m3 | Z1A |
| | | dust.) | | |
| | | TWA (Res- | 5 mg/m3 | Z1A |
| | | pirable frac- | | |
| | | tion.) | | |

Engineering measures

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to keep airborne exposures below the TLV, PEL or other recommended exposure limit.

Personal protective equipment

Respiratory protection

: Wear a NIOSH approved respirator if levels above the exposure limits are possible.

A NIOSH approved full-face air purifying respirator equipped with combination chlorine/P100 cartridges. Air purifying respirators should not be used in oxygen deficient or IDLH atmospheres or if exposure concentrations exceed ten (10) times



the published limit.

Hand protection

Remarks : Wear impervious gloves to avoid skin contact. A full impervi-

ous suit is recommended if exposure is possible to a large

portion of the body.

Eye protection : Use chemical goggles.

Skin and body protection : Neoprene, Nitrile, Natural rubber (This includes: gloves,

boots, apron, protective suit)

Protective measures : An eye wash and safety shower should be provided in the

immediate work area.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : tablet

Colour : blue

Odour : Chlorine-like

Odour Threshold : no data available

pH : 10.5 - 11.5

(1% solution in neutral, distilled water) (@ 25 Deg. C)

Melting point/freezing point : no data available

Boiling point/boiling range : Not applicable

Flash point : no data available

Evaporation rate : Not applicable

Flammability (solid, gas) : This product is chemically reactive with many substances. Any

contamination of the product with other substances by spill or

otherwise may result in a chemical reaction and fire.

Flammability (liquids) : no data available

Upper explosion limit : no data available

Lower explosion limit : no data available

Vapour pressure : Not applicable

Relative vapour density : Not applicable

Relative density : Not applicable

Density : 0.8 g/cm3

Water solubility : Approximately 18%, (@ 25 Deg. C), Product also contains

calcium hydroxide and calcium carbonate which will leave a



residue.

Partition coefficient: n-octanol/water : no data available

Auto-ignition temperature : no data available

Decomposition temperature : no data available

Viscosity, dynamic : Not applicable

Viscosity, kinematic : no data available

Oxidizing properties : Oxidizing

Molecular weight : 143 g/mol

Method: (Active ingredient)

SECTION 10. STABILITY AND REACTIVITY

Possibility of hazardous reactions : Product is an NFPA Class 2 Oxidizer which can cause a mod-

erate increase in fire intensity.

Product will not undergo hazardous polymerization.

Conditions to avoid : Do not store next to heat source, in direct sunlight, or elevated

storage temperature. Do not store where the daily average temperature exceeds 95 °F. Prevent ingress of humidity and moisture into container or package. Always close the lid.

Incompatible materials : This product is chemically reactive with many substances,

including, e.g., other pool treatment products, acids, organics, nitrogen-containing compounds, dry powder fire extinguishers (containing mono-ammonium phosphate), oxidizers, corrosive, flammable or combustible materials. Do not allow product to contact any foreign matter, including other water treatment products. Contamination or improper use may cause a fire, explosion or the release of toxic gases. If product is exposed to small amounts of water, it can react violently to produce

heat and toxic gases and spatter.

Hazardous decomposition products : Chlorine

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of expo- :

: Inhalation, skin, eyes, ingestion

sure

Acute toxicity

Acute oral toxicity : LD50 (Rat): Believed to be approximately 700 mg/kg

Acute inhalation toxicity : LC50 (Rat): Believed to be approximately 0.425 mg/l

Exposure time: 4 h

LC50 (Rat): Believed to be approximately 1.7 mg/l

Exposure time: 1 h



Acute dermal toxicity : LD50 (Rabbit): Believed to be > 2,000 mg/kg

Acute toxicity (other routes of admin- :

istration)

Remarks: This product is corrosive to all tissues contacted and upon inhalation, may cause irritation to mucous mem-

branes and respiratory tract.

The dry material is irritating to the skin. However when wet, it

will produce burns to the skin.

Skin corrosion/irritation

Remarks: DRY MATERIAL CAUSES MODERATE SKIN IRRITATION. WET MATERIAL CAUSES SKIN BURNS.

Serious eye damage/eye irritation

Result: Corrosive

Remarks: Corrosive to eyes

Respiratory or skin sensitisation

Remarks: This material is not known or reported to be a skin or respiratory sensitizer.

Carcinogenicity

IARC No component of this product present at levels greater than or

equal to 0.1% is identified as probable, possible or confirmed

human carcinogen by IARC.

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed

human carcinogen by IARC.

OSHA No component of this product present at levels greater than or

equal to 0.1% is on OSHA's list of regulated carcinogens. 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 component of this product present at levels greater than or

equal to 0.1% is identified as a known or anticipated carcino-

gen by NTP.

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcino-

gen by NTP.

ACGIH No component of this product present at levels greater than or

equal to 0.1% is identified as a carcinogen or potential carcin-

ogen by ACGIH.

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcin-

ogen by ACGIH.

Further information

Remarks: no data available

SECTION 12. ECOLOGICAL INFORMATION



Ecotoxicity

no data available

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

Other adverse effects

Ozone-Depletion Potential : Regulation: US. EPA Clean Air Act (CAA) Section 602 Ozone-

Depleting Substances (40 CFR 82, Subpt. A, App A & B) Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : Highly toxic to fish and other aquatic organisms.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : If this product becomes a waste, it meets the criteria of a haz-

ardous waste as defined under 40 CFR 261 and would have

the following EPA hazardous waste number: D001.

If this product becomes a waste, it will be a hazardous waste which is subject to the Land Disposal restrictions under 40

CFR 268 and must be managed accordingly.

SECTION 14. TRANSPORT INFORMATION

DOT

UN number : 2880

Proper shipping name : Calcium hypochlorite, hydrated mixtures

Transport hazard class : 5.1
Packing group : III
Labels : 5.1
Emergency Response Guidebook : 140

Number

Environmental hazards : yes



TDG

UN number : 2880

Proper shipping name : CALCIUM HYPOCHLORITE, HYDRATED MIXTURE

Transport hazard class : 5.1 Packing group : II Labels : 5.1 **Environmental hazards** : yes

IATA

UN number : 2880

Proper shipping name : Calcium hypochlorite, hydrated mixture

Transport hazard class : 5.1 Packing group : 111 : 5.1 Labels **Environmental hazards** : yes

IMDG

: 2880 **UN** number

Proper shipping name : Calcium hypochlorite, hydrated mixture

Transport hazard class : 111 Packing group Labels : 5.1 : F-H EmS Number 1 EmS Number 2 : S-Q

Environmental hazards : Marine pollutant: yes

ADR

: 2880 **UN** number

Proper shipping name : CALCIUM HYPOCHLORITE, HYDRATED MIXTURE

Transport hazard class : 5.1 **Packing group** : 111 Classification Code : 02 Hazard Identification Number : 50 Labels : 5.1 **Environmental hazards** : yes

RID

UN number : 2880

: CALCIUM HYPOCHLORITE, HYDRATED MIXTURE Proper shipping name

Transport hazard class : 5.1 **Packing group** : 111 Classification Code : 02 : 50 Hazard Identification Number Labels : 5.1 **Environmental hazards** : yes

Special precautions for user : none

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC

Code

: Not applicable



SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act CERCLA Reportable Quantity

| Components | CAS-No. | Component RQ (lbs) | Calculated product RQ (lbs) |
|----------------------|-----------|-----------------------|-----------------------------|
| Calcium hypochlorite | 7778-54-3 | 10 | 13 |

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards

See above: SECTION 2. Hazard Identification-GHS Classification

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.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.

Clean Water Act

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

| Components | CAS-No. | Component RQ (lbs) |
|----------------------|-----------|-----------------------|
| Calcium hypochlorite | 7778-54-3 | 10 |

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

| Components | CAS-No. | Concentration |
|----------------------|-----------|---------------|
| Calcium hypochlorite | 7778-54-3 | |

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations



Massachusetts Right To Know

| Components | CAS-No. |
|----------------------|------------|
| Calcium hypochlorite | 7778-54-3 |
| Calcium chlorate | 10137-74-3 |
| Calcium dihydroxide | 1305-62-0 |
| Calcium carbonate | 471-34-1 |

Pennsylvania Right To Know

| Components | CAS-No. |
|----------------------|------------|
| Calcium hypochlorite | 7778-54-3 |
| Calcium chlorate | 10137-74-3 |
| Calcium chloride | 10043-52-4 |
| Calcium dihydroxide | 1305-62-0 |
| Calcium carbonate | 471-34-1 |
| Sodium chloride | 7647-14-5 |

New Jersey Right To Know

| Components | CAS-No. |
|----------------------|------------|
| Calcium hypochlorite | 7778-54-3 |
| Calcium chlorate | 10137-74-3 |
| Calcium chloride | 10043-52-4 |
| Calcium dihydroxide | 1305-62-0 |
| Calcium carbonate | 471-34-1 |

California Prop. 65

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

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

ACGIH : US. ACGIH Threshold Limit Values

NIOSH/GUIDE : US. NIOSH: Pocket Guide to Chemical Hazards

OSHA TRANS : US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR

1910.1000)

Z1A : US. OSHA Table Z-1-A (29 CFR 1910.1000)

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 Observed 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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US / EN