

**SAFETY DATA SHEET**

Revision Date: 11/16/2017

Print Date: 1/5/2018

Version: 1.7

#610 Permanent Adhesive

29 CFR 1910.1200 (OSHA HazCom 2012)

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

**Product identifier**  
Trade name : Strata-Tac #610 perm

**Relevant identified uses of the substance or mixture and uses advised against**

|                                                                           |                                                        |
|---------------------------------------------------------------------------|--------------------------------------------------------|
| <b>Details of the supplier of the safety data sheet</b>                   | <b>Emergency telephone number</b><br>1-800-884-9388    |
| Strata-Tac<br>3980 Swenson Ave<br>Saint Charles, IL 60174<br>630-879-9388 | <b>Regulatory Information Number</b><br>1-800-884-9388 |
|                                                                           | <b>Product Information</b><br>1-800-884-9388           |

**SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification**  
Eye irritation : Category 2A

Skin sensitization : Category 1

**GHS label elements**

Hazard pictograms :



Signal Word : Warning

Hazard Statements : May cause an allergic skin reaction.  
Causes serious eye irritation.

Precautionary Statements : **Prevention:**  
Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

**SAFETY DATA SHEET**

Revision Date: 11/16/2017

Print Date: 1/5/2018

Version: 1.7

Wash skin thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/ eye protection/ face protection.

**Response:**

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation or rash occurs: Get medical advice/ attention.

If eye irritation persists: Get medical advice/ attention.

Wash contaminated clothing before reuse.

**Disposal:**

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              | CAS-No.        | Classification                                                                                                                 | Concentration (%) |
|----------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------|
| SURFACTANT                 | 254504001-5572 | Eye Dam. 1; H318<br>Skin Sens. 1B; H317                                                                                        | >= 1.00 - < 1.50  |
| HALOGENATED<br>HYDROCARBON | 800986-5736P   | Acute Tox. 3; H301<br>Acute Tox. 3; H331<br>Acute Tox. 3; H311<br>Skin Corr. 1; H314<br>Eye Dam. 1; H318<br>Skin Sens. 1; H317 | 0.00 - < 0.10     |

The identity and concentration of one or more component(s) is being withheld under business confidentiality.

**SAFETY DATA SHEET**

Revision Date: 11/16/2017

Print Date: 1/5/2018

Version: 1.7

**SECTION 4. FIRST AID MEASURES**

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : If breathed in, move person into fresh air.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : Remove contaminated clothing. If irritation develops, get medical attention.  
If on skin, rinse well with water.  
First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.  
Wash contaminated clothing before re-use.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Protect unharmed eye.
- If swallowed : 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 : No symptoms known or expected.  
May cause an allergic skin reaction.  
Causes serious eye irritation.
- Notes to physician : No hazards which require special first aid measures.

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Water spray  
Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

**SAFETY DATA SHEET**

Revision Date: 11/16/2017

Print Date: 1/5/2018

Version: 1.7

- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : carbon dioxide and carbon monoxide
- Specific extinguishing methods : Product is compatible with standard fire-fighting agents.
- Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
- 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.
- Other information : Comply with all applicable federal, state, and local regulations.

**SECTION 7. HANDLING AND STORAGE**

- Advice on safe handling : Do not breathe vapours/dust.  
Do not smoke.  
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.



**SAFETY DATA SHEET**

Revision Date: 11/16/2017

Print Date: 1/5/2018

Version: 1.7

Container hazardous when empty.  
 Avoid exposure - obtain special instructions before use.  
 Avoid contact with skin and eyes.  
 Smoking, eating and drinking should be prohibited in the application area.  
 For personal protection see section 8.  
 Dispose of rinse water in accordance with local and national regulations.

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.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Hazardous components without workplace control parameters**

| Components              | CAS-No.        |
|-------------------------|----------------|
| SURFACTANT              | 254504001-5572 |
| HALOGENATED HYDROCARBON | 800986-5736P   |

**Engineering measures** : Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

**Personal protective equipment****Hand protection**

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

**Eye protection** : Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

**Skin and body protection** : Wear as appropriate:  
 Impervious clothing  
 Safety shoes  
 Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
 Discard gloves that show tears, pinholes, or signs of wear.

**SAFETY DATA SHEET**

Revision Date: 11/16/2017

Print Date: 1/5/2018

Version: 1.7

Wear resistant gloves (consult your safety equipment supplier).

Hygiene measures : Wash hands before breaks and at the end of workday.  
When using do not eat or drink.  
When using do not smoke.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state : liquid

Colour : white

Odour : No data available

Odour Threshold : No data available

pH : 8.0

Melting point/freezing point : No data available

Boiling point/boiling range : 212 °F / 100 °C  
Calculated Phase Transition Liquid/Gas

Flash point : Not applicable

Evaporation rate : 1  
Ethyl Ether = 1

Flammability (solid, gas) : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : 23 mbar (20 °C)

Relative vapour density : No data available

Relative density : 1.02 (77.00 °F)

Density : 1.02 g/cm<sup>3</sup> (77.00 °F)

**SAFETY DATA SHEET**

Revision Date: 11/16/2017

Print Date: 1/5/2018

Version: 1.7

Solubility(ies)  
Water solubility : No data available

Solubility in other solvents : No data available

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

Thermal decomposition : No data available

Viscosity  
Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Oxidizing properties : No data available

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : Product will not undergo hazardous polymerization.

Conditions to avoid : excessive heat

Hazardous decomposition products : carbon dioxide and carbon monoxide

**SECTION 11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure : Inhalation  
Skin contact  
Eye Contact  
Ingestion

**Acute toxicity**

Not classified based on available information.

**Components:**

SURFACTANT:

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg

**SAFETY DATA SHEET**

Revision Date: 11/16/2017

Print Date: 1/5/2018

Version: 1.7

Assessment: No adverse effect has been observed in acute oral toxicity tests.

Acute inhalation toxicity : LC50 (Rat): > 20 mg/l  
Exposure time: 1 h  
Test atmosphere: dust/mist  
Assessment: No adverse effect has been observed in acute inhalation toxicity tests.

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Assessment: No adverse effect has been observed in acute dermal toxicity tests.

**HALOGENATED HYDROCARBON:**

Acute oral toxicity :  
Assessment: The component/mixture is classified as acute oral toxicity, category 3.

Acute inhalation toxicity : Assessment: The component/mixture is classified as acute inhalation toxicity, category 3.

Acute dermal toxicity : Assessment: The component/mixture is classified as acute dermal toxicity, category 3.

**Skin corrosion/irritation**

Not classified based on available information.

**Product:**

Remarks: May cause skin irritation in susceptible persons.

**Components:****SURFACTANT:**

Species: Rabbit

Result: Slight, transient irritation

**HALOGENATED HYDROCARBON:**

Result: Corrosive to skin

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Product:**

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin., Causes serious eye irritation.

**Components:****SURFACTANT:**

Species: Rabbit



**SAFETY DATA SHEET**

Revision Date: 11/16/2017

Print Date: 1/5/2018

Version: 1.7

Result: Risk of serious damage to eyes.

HALOGENATED HYDROCARBON:

Result: Corrosive

**Respiratory or skin sensitisation**

Skin sensitisation: May cause an allergic skin reaction.

Respiratory sensitisation: Not classified based on available information.

**Components:****SURFACTANT:**

Test Type: Local lymph node assay

Assessment: The product is a skin sensitizer, sub-category 1B.

Method: OECD Test Guideline 429

HALOGENATED HYDROCARBON:

Assessment: May cause sensitisation by skin contact.

Germ cell mutagenicity

Not classified based on available information.

**Components:****SURFACTANT:**

Genotoxicity in vitro

: Test Type: Ames test

Test species: Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Result: negative

**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 toxicity classification

**Further information****Product:**

Remarks: No data available

**Carcinogenicity:****IARC**

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

**SAFETY DATA SHEET**

Revision Date: 11/16/2017

Print Date: 1/5/2018

Version: 1.7

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.

**NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:****Ecotoxicology Assessment**

Acute aquatic toxicity : Acute aquatic toxicity Category 3; Harmful to aquatic life.

Chronic aquatic toxicity : Chronic aquatic toxicity Category 2; Toxic to aquatic life with long lasting effects.

**Components:****SURFACTANT:**Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 36 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Method: OECD Test Guideline 203Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 91 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202Toxicity to algae : NOEC (Pseudokirchneriella subcapitata (green algae)): 4.6 mg/l  
End point: Growth inhibition  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201EC50 (Pseudokirchneriella subcapitata (green algae)): 39 mg/l  
End point: Growth inhibition  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201**HALOGENATED HYDROCARBON:**

**SAFETY DATA SHEET**

Revision Date: 11/16/2017

Print Date: 1/5/2018

Version: 1.7

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.19 mg/l  
 Exposure time: 96 h  
 Test Type: flow-through test

**Persistence and degradability****Components:****SURFACTANT:**

Biodegradability : Result: Not readily biodegradable.  
 Biodegradation: 20 %  
 Exposure time: 28 d  
 Method: OECD Test Guideline 302A

**HALOGENATED HYDROCARBON:**

Biodegradability : Biodegradation: 30 %  
 Exposure time: 28 d  
 Method: OECD Test Guideline 301B  
 Remarks: Not readily biodegradable.

No data available

**Bioaccumulative potential****Components:****SURFACTANT:**

Partition coefficient: n-octanol/water : log Pow: Calculated 2.6

No data available

**Mobility in soil****Components:**

No data available

**Other adverse effects**

No data available

**Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Harmful to aquatic life., Toxic to aquatic life with long lasting effects.

**Components:****SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

General advice : Dispose of in accordance with all applicable local, state and federal regulations.

The product should not be allowed to enter drains, water courses or the soil.  
 Do not contaminate ponds, waterways or ditches with

**SAFETY DATA SHEET**

Revision Date: 11/16/2017

Print Date: 1/5/2018

Version: 1.7

chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Empty containers should be taken to an approved waste  
handling site for recycling or disposal.  
Do not re-use empty containers.

**SECTION 14. TRANSPORT INFORMATION****International transport regulations****REGULATION**

| ID NUMBER | PROPER SHIPPING NAME | *HAZARD CLASS | SUBSIDIARY HAZARDS | PACKING GROUP | MARINE POLLUTANT / LTD. QTY. |
|-----------|----------------------|---------------|--------------------|---------------|------------------------------|
|-----------|----------------------|---------------|--------------------|---------------|------------------------------|

**MX\_DG**

Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER**

Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO**

Not dangerous goods

**INTERNATIONAL MARITIME DANGEROUS GOODS**

Not dangerous goods

**TDG\_INWT\_C**

Not dangerous goods

**TDG\_RAIL\_C**

Not dangerous goods

**TDG\_ROAD\_C**

Not dangerous goods



**SAFETY DATA SHEET**

Revision Date: 11/16/2017

Print Date: 1/5/2018

Version: 1.7

**U.S. DOT - INLAND WATERWAYS**

Not dangerous goods

**CFR\_RAIL\_C**

Not dangerous goods

**U.S. DOT - ROAD**

Not dangerous goods

**\*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID**

Marine pollutant

no

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

**SECTION 15. REGULATORY INFORMATION**
**EPCRA - Emergency Planning and Community Right-to-Know Act**  
**CERCLA Reportable Quantity**

| Components                                     | CAS-No.   | Component RQ<br>(lbs) | Calculated product RQ<br>(lbs) |
|------------------------------------------------|-----------|-----------------------|--------------------------------|
| AMMONIUM HYDROXIDE<br>((NH <sub>4</sub> )(OH)) | 1336-21-6 | 1000                  | *                              |

\*: Calculated RQ exceeds reasonably attainable upper limit.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

| Components   | CAS-No. | Component RQ<br>(lbs) | Calculated product RQ<br>(lbs) |
|--------------|---------|-----------------------|--------------------------------|
| FORMALDEHYDE | 50-00-0 | 100                   | *                              |

\*: Calculated RQ exceeds reasonably attainable upper limit.

**SARA 311/312 Hazards** : Acute Health Hazard**SARA 313**

|                |         |        |
|----------------|---------|--------|
| FORMALDEHYDE   | 50-00-0 | 0.00 % |
| ETHYLENE OXIDE | 75-21-8 | 0.00 % |

**SAFETY DATA SHEET**

Revision Date: 11/16/2017

Print Date: 1/5/2018

Version: 1.7

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.

**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.

**The components of this product are reported in the following inventories:**

|       |                                                          |
|-------|----------------------------------------------------------|
| AICS  | : Not in compliance with the inventory                   |
| DSL   | : All components of this product are on the Canadian DSL |
| ENCS  | : Not in compliance with the inventory                   |
| IECSC | : On the inventory, or in compliance with the inventory  |
| KECI  | : On the inventory, or in compliance with the inventory  |
| PICCS | : On the inventory, or in compliance with the inventory  |
| TSCA  | : On TSCA Inventory                                      |

**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

**SECTION 16. OTHER INFORMATION****Further information**

Revision Date: 11/16/2017

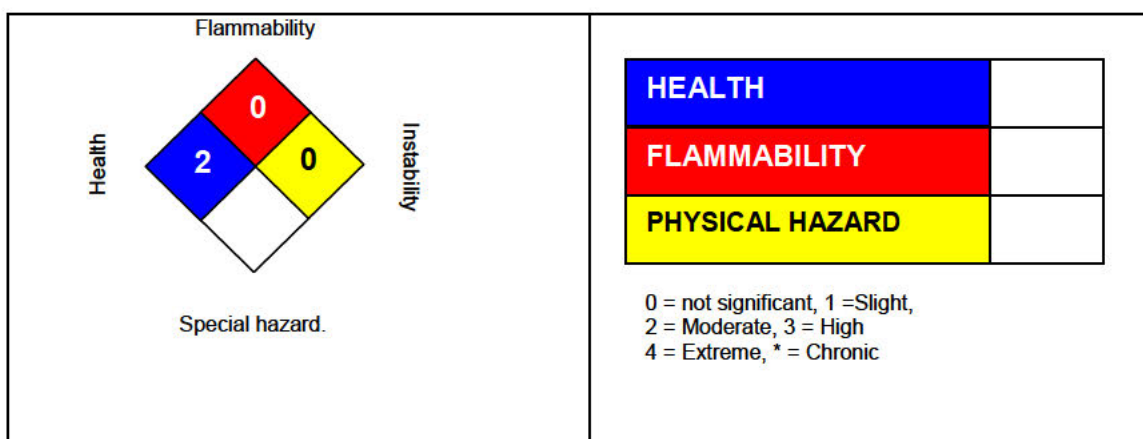
**NFPA:****HMIS III:**

**SAFETY DATA SHEET**

Revision Date: 11/16/2017

Print Date: 1/5/2018

Version: 1.7

**NFPA Flammable and Combustible Liquids Classification**

Not applicable

**Full text of H-Statements**

|      |                                          |
|------|------------------------------------------|
| H301 | Toxic if swallowed.                      |
| H311 | Toxic in contact with skin.              |
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction.     |
| H318 | Causes serious eye damage.               |
| H331 | Toxic if inhaled.                        |

**Sources of key data used to compile the Safety Data Sheet**

Ashland internal data including own and sponsored test reports

The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).

**Full text of other abbreviations**

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response,



|                          |  |                           |
|--------------------------|--|---------------------------|
|                          |  | Page: 16                  |
| <b>SAFETY DATA SHEET</b> |  | Revision Date: 11/16/2017 |
|                          |  | Print Date: 1/5/2018      |
|                          |  | Version: 1.7              |

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