Strata Conting Technologies A Duraco Specialty Materials Company	Page: 1
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#601 General Permanent Adhesive	

29 CFR 1910.1200 (OSHA HazCom 2012)

### **SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

**Product identifier** 

Trade name

Strata-Tac Inc. #601 Perm (formally known as #325 perm)

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

Details of the supplier of the safety data sheet

Emergency telephone number 630-879-9388

Strata-Tac Inc.

3980 Swenson Ave

Regulatory Information Number
630-879-9388

Saint Charles, IL 60174 **Product Information** 630-879-9388

# SECTION 2. HAZARDS IDENTIFICATION

customerservice@stratatac.com

**GHS Classification** 

Skin sensitization : Category 1

Carcinogenicity : Category 2

**GHS** label elements

Hazard pictograms



Signal Word : Warning

Hazard Statements : May cause an allergic skin reaction.

Suspected of causing cancer.

Precautionary Statements : Prevention:

Obtain special instructions before use.

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Do not handle until all safety precautions have been read and understood.

Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Contaminated work clothing must not be allowed out of the workplace.

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

#### Response:

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

IF exposed or concerned: Get medical advice/ attention.

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

Wash contaminated clothing before reuse.

#### Storage:

Store locked up.

#### Disposal:

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

#### Other hazards

None known.

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

Hazardous components

Chemical name	CAS-No.	Classification	Concentration (%)
HALOGENATED HYDROCARBON	800986-5736P	Acute Tox. 3; H301	0.00 - < 0.10
		Acute Tox. 3; H331	
		Acute Tox. 3; H311	
		Skin Corr. 1; H314	
		Eye Dam. 1; H318	
		Skin Sens. 1; H317	

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

VINYL ACETATE MONOMER	108-05-4	Flam. Liq. 2; H225	0.3276
		Acute Tox. 4; H332	

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	Carc. 2; H351 STOT SE 3; H335

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

General advice : Move out of dangerous area.

Call a POISON CENTRE or doctor/physician if exposed or

you feel unwell.

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 : Flush eyes with water as a precaution.

Remove contact lenses. Protect unharmed eye.

If eye irritation persists, consult a specialist.

If swallowed : Obtain medical attention.

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.
 Suspected of causing cancer.

Notes to physician : No hazards which require special first aid measures.

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#### **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 (CO2)

Dry chemical

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

: No hazardous combustion products are known

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.

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### **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.

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. Observe label precautions.

# SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
VINYL ACETATE MONOMER	108-05-4	TWA	10 ppm	ACGIH
		STEL	15 ppm	ACGIH
		С	4 ppm 15 mg/m3	NIOSH REL
		TWA	10 ppm 30 mg/m3	OSHA P0
		STEL	20 ppm 60 mg/m3	OSHA P0
		PEL	10 ppm 30 mg/m3	CAL PEL
		STEL	15 ppm 45 mg/m3	CAL PEL

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### Hazardous components without workplace control parameters

Components	CAS-No.
HALOGENATED	800986-
HYDROCARBON	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 : Not required under normal conditions of use. Wear splash-

proof safety goggles if material could be misted or splashed

into eyes.

Skin and body protection : Wear resistant gloves (consult your safety equipment

supplier).

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.

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**

Appearance : liquid

Physical state : liquid

Colour : white

Odour : No data available

Odour Threshold : No data available

pH : 6

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Melting point/freezing point : No data available

Boiling point/boiling range : > 212 °F / > 100 °C

Flash point : Not applicable

Evaporation rate : No data available

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 : No data available

Density : 1.01 g/cm3 (21 °C)

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.

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: Stable under recommended storage conditions. Chemical stability

Possibility of hazardous

reactions

: Product will not undergo hazardous polymerization.

Hazardous decomposition

products No hazardous decomposition products are known.

#### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of : Inhalation

exposure

Skin contact

Eye Contact Ingestion

Acute toxicity

Not classified based on available information.

<u>Components:</u> 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.

Components:

VINYL ACETATE MONOMER:

Acute oral toxicity : LD50 (Rat): 3,500 mg/kg

Acute inhalation toxicity : LC50 (Rat): 15,810 mg/m3

> Exposure time: 4 h Test atmosphere: vapour

: LD50 (Rabbit, male): 7,440 mg/kg Acute dermal toxicity

GLP: no

Skin corrosion/irritation

Not classified based on available information.

**Product:** 

Remarks: May cause skin irritation in susceptible persons.

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Components:

HALOGENATED HYDROCARBON:

Result: Corrosive to skin

Components:

VINYL ACETATE MONOMER:

Species: Rabbit

Method: OECD Test Guideline 404

Result: No skin irritation

GLP: yes

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Remarks: Unlikely to cause eye irritation or injury.

Components:

HALOGENATED HYDROCARBON:

Result: Corrosive

Components:

VINYL ACETATE MONOMER:

Species: Rabbit Result: No eye irritation

Method: OECD Test Guideline 405

GLP: yes

Respiratory or skin sensitisation

Skin sensitisation: May cause an allergic skin reaction.

Respiratory sensitisation: Not classified based on available information.

Components:

HALOGENATED HYDROCARBON:

Assessment: May cause sensitisation by skin contact.

<u>Components:</u> VINYL ACETATE MONOMER: Test Type: Local lymph node assay

Species: Mouse

Assessment: Did not cause sensitisation on laboratory animals.

Method: OECD Test Guideline 429

Result: Did not cause sensitisation on laboratory animals.

GLP: yes

Germ cell mutagenicity

Not classified based on available information.

Components:

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VINYL ACETATE MONOMER:

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro

> Test species: Human lymphocytes Method: OECD Test Guideline 473

Result: positive

: Test Type: Ames test

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

: Test Type: Ames test

Metabolic activation: Metabolic activation

Method: Mutagenicity (Escherichia coli - reverse mutation

assay)

Result: negative

: Test Type: Micronucleus test

Test species: human lymphoblastoid cells

Result: positive

Carcinogenicity

Suspected of causing cancer.

Components:

VINYL ACETATE MONOMER:

Carcinogenicity -: Limited evidence of a carcinogenic effect.

Assessment

Reproductive toxicity

Not classified based on available information.

Components:

VINYL ACETATE MONOMER:

Effects on fertility

Test Type: Two-generation study

Species: Rat

Sex: male and female Application Route: Oral NOAEL: 100 mg/kg, F1: 100 mg/kg,

F2: 100 mg/kg, Method: OECD Test Guideline 416

GLP: yes

Effects on foetal

: Species: Rat, females development

Application Route: Oral

477 mg/kg GLP: yes

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Species: Rat, females Application Route: Inhalation 205 mg/kg

205 mg/kg GLP: yes

#### STOT - single exposure

Not classified based on available information.

### Components:

VINYL ACETATE MONOMER:

Assessment: May cause respiratory irritation.

#### STOT - repeated exposure

Not classified based on available information.

### Repeated dose toxicity

#### Components:

VINYL ACETATE MONOMER:

Species: Mouse, female NOAEL: 281 mg/kg Application Route: Oral Exposure time: 90-day

Method: OECD Test Guideline 408

GLP: yes

Species: Mouse, male NOAEL: 285 mg/kg Application Route: Oral Exposure time: 90-day

Method: OECD Test Guideline 408

GLP: yes

Species: Rat, female NOAEL: 810 mg/kg Application Route: Oral Exposure time: 90-day

Method: OECD Test Guideline 408

GLP: yes

Species: Rat, male NOAEL: 684 mg/kg Application Route: Oral Exposure time: 90-day

Method: OECD Test Guideline 408

GLP: yes

### **Aspiration toxicity**

Not classified based on available information.

**Further information** 

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Product:

Remarks: No data available

Carcinogenicity:

IARC Group 2B: Possibly carcinogenic to humans

VINYL ACETATE 108-05-4

MONOMER

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

egual to 0.1% is identified as a known or anticipated carcinogen

by NTP.

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

Ecotoxicity Product:

Ecotoxicology Assessment

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : Chronic aquatic toxicity Category 3; Harmful to aquatic life

with long lasting effects.

Components:

HALOGENATED HYDROCARBON:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.19 mg/l

Exposure time: 96 h

Test Type: flow-through test

VINYL ACETATE MONOMER:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 14 mg/l

Exposure time: 96 h Test Type: static test

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (Daphnia magna (Water flea)): 12.6 mg/l

Exposure time: 48 h
Test Type: static test

Method: OECD Test Guideline 202

Toxicity to algae : ErC50 (Pseudokirchneriella subcapitata (microalgae)): 12.7

mg/l

Exposure time: 72 h

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Method: OECD Test Guideline 201

GLP: yes

Toxicity to fish (Chronic

toxicity)

: NOEC (Pimephales promelas (fathead minnow)): 0.16 mg/l

Exposure time: 34 d

Test Type: flow-through test Method: OECD Test Guideline 210

### Persistence and degradability

Components:

HALOGENATED HYDROCARBON:

Biodegradability : Biodegradation: 30 %

Exposure time: 28 d

Method: OECD Test Guideline 301B Remarks: Not readily biodegradable.

VINYL ACETATE MONOMER:

Biodegradability : Inoculum: activated sludge

Result: Readily biodegradable. Biodegradation: 82 - 92 %

Exposure time: 14 d

Method: OECD Test Guideline 301C

No data available

Bioaccumulative potential

Components:

VINYL ACETATE MONOMER:

Bioaccumulation : Bioconcentration factor (BCF): 3.16

Method: see user defined free text

Partition coefficient: n-

octanol/water

: log Pow: 0.73

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

with long lasting effects.

Components:

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SECTION 13. DISPOSAL CO	NSIDERATIONS
Disposal methods General advice	: Dispose of in accordance with all applicable local, state and federal regulations.
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The product should not be allowed to enter drains, water

courses or the soil.

Do not contaminate ponds, waterways or ditches with

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

					133
ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.

### MX DG

Not dangerous goods	
3335	

#### INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods	
5,89	

### INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods	

#### INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods		

### TDG\_INWT\_C

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Not dangerous goo	ods			
DG_RAIL_C				
Not dangerous goo	ods			
TOC BOAD C				
DG_ROAD_C  Not dangerous god	ods			
TWING A ROUND TO EXITED GROWINGSCHAFT TOURST TOURS				
J.S. DOT - INLAND WATERWAYS  Not dangerous goo	ods			
Hot dangerous got	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
CFR_RAIL_C				
Not dangerous goo	ods			
J.S. DOT - ROAD				
Not dangerous goo	ods			
ADM DON DON DOMPHOTID				
ORM = ORM-D, CBL = COMBUSTIB	LE LIQUID			
Marine pollutant	no			
Dangerous goods descriptions (if inc	licated above) may	not reflect quantity e	nd use or region specific	
exceptions that can be applied. Con				
shipment.				
OFICTION AS DECLII ATORY INFO	DMATION			
SECTION 15. REGULATORY INFO				
EPCRA - Emergency Planning CERCLA Reportable Quantity		Right-to-Know Act		
Components	CAS-No.	Component RQ	Calculated product RQ	
AMMONIUM HYDROXIDE	1336-21-6	(lbs) 1000	(lbs) *	
((NH4)(OH)) *: Calculated RQ exceeds reas	 onably attainable ur	pper limit.	ś	
SARA 304 Extremely Hazardo				

CAITA OUT Extremely Huzurdous Cubstances Reportable Quantity			
Components	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
VINYL ACETATE MONOMER	108-05-4	5000	*

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\*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 311/312 Hazards : Acute Health Hazard

Chronic Health Hazard

**SARA 313** 

VINYL ACETATE 108-05-4 0.32 %

MONOMER

ETHYLENE OXIDE 75-21-8 0.00 %

California Prop 65 WARNING! This product contains a chemical known to the

State of California to cause cancer.

STYRENE 100-42-5

ACETALDEHYDE 75-07-0

BENZENE 71-43-2

1,4-DIOXANE 123-91-1

ETHYLENE OXIDE 75-21-8

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive

harm.

BENZENE 71-43-2

ETHYLENE OXIDE 75-21-8

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

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

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

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

KECI : Not in compliance with the inventory

PICCS : Not in compliance with the inventory

IECSC : Not in compliance with the inventory

TSCA : On TSCA Inventory

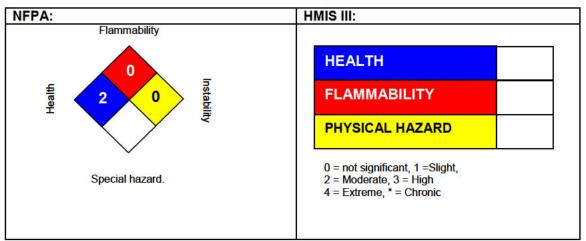
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#### **Inventories**

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 Flammable and Combustible Liquids Classification Not applicable

#### **Full text of H-Statements**

H225	Highly flammable liquid and vapor.
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.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.

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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, 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

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Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative