

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifier

**Product name:** Crown PSC-1000

**SDS number:** CR.PSC1000

**Synonym(s):** Distillates (Petroleum), Hydrotreated Light

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

**General use:** Solvent

**Uses advised against:** None known

### 1.3 Details of the supplier and of the safety data sheet

**Manufacturer/Distributor**

Packaging Service Co., Inc.

1904 Mykawa Road

Pearland, TX 77581-3210 USA

1-281-485-1458

### 1.4 Emergency telephone number

CHEMTREC: 1-800-424-9300 (USA)

CANUTEC: 1-613-996-6666 (Canada)

## SECTION 2 - HAZARDS IDENTIFICATION

### 2.1 Classification of substance or mixture

**Product definition:** Mixture

**Classification in accordance with 29 CFR 1910 (OSHA HCS) and Regulation EC No. 1272/2008**

Flammable Liquid - Category 4 [H227]

Aspiration Hazard - Category 1 [H304]

### 2.2 Label elements

**Hazard symbol(s):**



GHS08

**Signal word:**

Danger

**Hazard statement(s):**

H227 - Combustible liquid

H304 - May be fatal if swallowed and enters airways

**Precautionary statements:**

**[Prevention]**

P210 - Keep away from heat, sparks, open flames and hot surfaces. No smoking.

P280 - Wear protective gloves, protective clothing and eye protection.

**[Response]**

P301 + P331 + P310 - IF SWALLOWED: DO NOT induce vomiting. Immediately call a POISON CENTER or doctor.

P370 + P378 - In case of fire: Use water fog, foam, dry chemical or carbon dioxide for extinction.

**[Storage]**

P405 + P403 + P235 - Store locked up in a in well-ventilated place. Keep cool.

**[Disposal]**

P501 - Dispose of contents and containers in accordance with national and local regulations.

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

May cause drying and cracking of the skin.

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable

### 3.2 Mixtures

% by Weight	Ingredient	CAS Number	EC Number	Annex Number	GHS Classification
100	Distillates (Petroleum), Hydrotreated Light	64742-47-8	265-149-8	649-422-00-2	H227, H304

As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) of composition may have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, employees, or designated representatives in accordance with the applicable provisions of paragraph (i).

There are no additional ingredients present in this product which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## SECTION 4 - FIRST AID MEASURES

### 4.1 Description of first aid measures

**Inhalation:** If product fumes or vapor causes respiratory irritation or distress, move the exposed person to fresh air immediately. If breathing is

difficult or irregular, administer oxygen; if respiratory arrest occurs, start artificial respiration by trained personnel. If unconscious, maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. If symptoms persist, seek medical attention.

**Eyes:** Immediately flush eyes with large amounts of water or saline solution for at least 15 minutes, occasionally lifting the upper and lower lids. Remove contact lenses, if present and easy to do, after first 2 minutes and continue rinsing. If irritation persists seek medical attention, preferably from an ophthalmologist.

**Skin:** Flush skin with large amounts of water while removing contaminated clothing. Wash the affected area with soap and water followed by thorough rinsing. Wash contaminated clothing and shoes before reuse. If irritation persists, seek medical attention.

**Ingestion:** Rinse mouth with water if the victim is conscious. Remove dentures if present. DO NOT induce vomiting unless directed to do so by medical personnel. Vomiting may occur spontaneously. To prevent aspiration of material into the lungs, lay the victim on one side with the head lower than the waist. Never give anything by mouth to an unconscious or convulsing person. Do not leave the victim unattended. Seek immediate medical attention.

## 4.2 Most important symptoms and effects, both acute and delayed

### Potential health symptoms and effects

**Eyes:** May cause eye irritation with redness, discomfort and tearing.

**Skin:** Prolonged and repeated contact with unprotected skin may cause skin irritation with localized redness, itching and discomfort. May be harmful if absorbed through the skin.

**Inhalation:** Vapor from this product may cause irritation of the nose, throat and lungs. May be harmful if inhaled. Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. May cause cyanosis.

**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting abdominal pain and diarrhea. May cause headache, dizziness and central nervous system depression. Aspiration of material during swallowing or vomiting can result in lung inflammation or other lung injury. Symptoms of aspiration into the lungs include coughing, gasping, choking, shortness of breath, bluish colored skin, rapid breathing and rapid heart rate.

**Chronic:** Pre-existing disorders of the skin and respiratory system may be aggravated by exposure to this product. Prolonged and repeated skin exposure may result in drying or defatting of skin and dermatitis.

Reports have associated repeated and prolonged occupational exposure to light petroleum products with irreversible brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

## 4.3 Indication of any immediate medical attention and special treatment needed

### Advice to doctor and hospital personnel

Treat symptomatically and supportively

# SECTION 5 - FIRE FIGHTING MEASURES

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## 5.1 Extinguishable media

**Suitable methods of extinction:** Use extinguishing media such as water spray or fog, carbon dioxide, foam and dry chemical.

**Unsuitable methods of extinction:** Water jets or streams may spread the fire.

## 5.2 Special hazards arising from the substance or mixture

Combustible liquid. Closed containers may explode due to the buildup of pressure when exposed to extreme heat. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent or may be delayed. Obtain medical attention.

**Explosion hazards:** Not expected to be an explosion hazard.

## 5.3 Advice for firefighters

Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat. If possible, firefighters should control runoff water to prevent environmental contamination.

# SECTION 6 - ACCIDENTAL RELEASE MEASURES

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## 6.1 Personal precautions, protective equipment and emergency procedures

Evacuate non-essential personnel. Wear appropriate protective clothing and equipment designated in Section 8.2. Ventilate the area. Remove all sources of ignition. No smoking. Clean up spills immediately. Spill creates a slip hazard.

## 6.2 Environmental precautions

Avoid dispersal of spilled material or runoff and prevent contact with soil and entry into drains, sewers or waterways.

## 6.3 Methods and materials for containment and cleaning up

DO NOT flush the spill down the drain. Approach spill from upwind direction. Cover drains and contain spill. Cover spill with a large quantity of inert absorbent. Do not use combustible material such as sawdust. Collect material using non-sparking tools and place into an approved container for proper disposal. Observe possible material restrictions (Sections 7.2 and 10.5). Do not allow material or runoff from rinsing contaminated areas to enter floor drains or storm drains and ditches that lead to waterways. Dispose of via a licensed waste disposal contractor. If spilled on water remove with appropriate methods (e.g. skimming, booms or absorbents).

This product is classified as an oil under Section 311 of the Clean Water Act (CWA) and under the Oil Pollution Act (OPA). In the USA discharges or spills of material on waters of the United States, their adjoining shorelines or into conduits leading to surface waters must be reported to the National Response Center at 800-424-8802.

## 6.4 Reference to other sections

For indications about waste treatment, see Section 13.

# SECTION 7 - HANDLING AND STORAGE

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## 7.1 Precautions for safe handling

Wear all appropriate personal protective equipment specified in Section 8.2. Do not get in eyes or on skin or clothing. Do not inhale fumes or vapor. No smoking. If normal use of material presents a respiratory hazard, use only adequate ventilation or wear an appropriate respirator.

Wash contaminated clothing and shoes thoroughly before reuse.

#### Advice on protection against fire and explosion

Avoid exposure to high temperatures, hot surfaces and sources of ignition.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in dry, cool, well-ventilated areas away incompatible materials (see Section 10.5), food and drink. Transfer only to approved containers having correct labeling. Keep containers tightly closed when not in use. Protect containers against physical damage. Containers that have been opened must be carefully resealed and kept upright to prevent spillage. Containers are hazardous when empty as they contain product residues. Use appropriate containment to avoid environmental contamination. Ventilate closed areas. Do not take internally. Keep out of reach of children.

### 7.3 Specific end uses

Apart from the uses mentioned in Section 1.2, no other specific uses are stipulated.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

#### Occupational exposure limit values

CAS Number	Ingredient	OSHA PEL	ACGIH TLV	NIOSH
64742-47-8	Distillates (Petroleum), Hydrotreated Light	-----	200 mg/m <sup>3</sup> TWA Skin	-----

A "skin" notation following the inhalation exposure guideline refers to the potential for dermal absorption of the material, including eyes and mucous membranes, either by direct contact with vapors or by direct skin contact. It is intended to alert the reader that inhalation may not be the only route of exposure and that measures to minimize dermal exposure should be considered.

### 8.2 Exposure controls

**Engineering measures:** Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. Use adequate ventilation. Local exhaust is preferable. Refer to Section 7.1.

**Individual protection measures:** Wear protective clothing to prevent repeated or prolonged contact with product. Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the representative supplier.

**Hygiene measures:** Facilities storing or using this material should be equipped with an eyewash station and safety shower. Change contaminated clothing. Preventive skin protection is recommended. Wash hands thoroughly after use, before eating, drinking, smoking or using the lavatory.

**Eye/face protection:** Wear safety glasses with unperforated side shields or protective splash goggles during use.

**Hand protection:** Wear Nitrile gloves or gloves recommended by glove supplier for protection against materials in Section 3. Gloves should be impermeable to chemicals and oil. Breakthrough time of selected gloves must be greater than the intended use period.

**Skin protection:** Wear protective clothing. Wear protective boots if the situation requires.

**Respiratory protection:** Always use an approved respirator when vapor/aerosols exceed exposure limit values. Where risk assessment shows air-purifying respirators are appropriate use a half mask respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Follow OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

**Environmental exposure controls:** Do not empty into drains.

*PPE must not be considered a long-term solution to exposure control. PPE usage must be accompanied by employer programs to properly select, maintain, clean fit and use. Consult a competent industrial hygiene resource to determine hazard potential and/or the PPE manufacturers to ensure adequate protection.*



Safety Glasses



Gloves

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Clear, colorless liquid
Odor	Mild, hydrocarbon
Odor Threshold	No data available
Molecular Weight	No data available
Chemical Formula	No data available
pH	No data available
Freezing/Melting Point, Range	-49 °C (-56.2 °F)
Boiling Point Range	190 - 210 °C (374 - 410 °F)
Evaporation Rate	0.03 (n-BuOAc = 1)
Flammability (solid, gas)	Not applicable
Flash Point Range	65 °C (149 °F) TCC
Autoignition Temperature	>220 °C (>428 °F)
Decomposition Temperature	No data available
Lower Explosive Limit (LEL)	0.6% (v)
Upper Explosive Limit (UEL)	5.5% (v)
Vapor Pressure	0.54 mm Hg, ambient temperature
Vapor Density	4.5 (Air = 1)
Specific Gravity	0.783

<b>Density</b>	0.783 g/ml (6.53 lb/gal)
<b>Viscosity</b>	No data available
<b>Solubility in Water</b>	Negligible (1.5 g/l)
<b>Partition Coefficient: n-octanol/water</b>	log Pow = 4 - 6 [estimated]
<b>Oxidizing Properties</b>	Not applicable
<b>Explosive Properties</b>	Not applicable
<b>Volatile Organic Compounds (VOC)</b>	100% by weight (1,000 g/l) [calculated per CARB]
<b>Volatiles by Weight @ 21 °C</b>	100%
<b>9.2 Other data</b>	
<b>Flammability Classification</b>	IIIA

## SECTION 10 - STABILITY AND REACTIVITY

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### 10.1 Reactivity

This product is stable under normal handling and use.

### 10.2 Chemical stability

This material is stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4 Conditions to avoid

High temperatures, hot surfaces, sources of ignition and contact with incompatible materials.

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

Thermal decomposition products include oxides of carbon, hydrocarbons and hydrocarbon fragments.

## SECTION 11 - TOXICOLOGICAL INFORMATION

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### 11.1 Information on toxicological effects

#### Acute oral toxicity

LD<sub>50</sub>, rat: >5,000 mg/kg

#### Acute inhalation toxicity

No data available

#### Acute dermal toxicity

LD<sub>50</sub>, rabbit: >2,000 mg/kg

#### Skin irritation

May cause skin irritation.

#### Eye irritation

May cause eye irritation.

#### Sensitization

No data available

#### Genotoxicity in vitro

No data available

#### Mutagenicity

No data available

#### Specific organ toxicity - single exposure

May cause drowsiness or dizziness. May cause respiratory irritation.

#### Specific organ toxicity - repeated exposure

No data available

#### Aspiration hazard

May be fatal if swallowed and enters the airways

### 11.2 Further information

No component of this product present at levels greater than or equal to the 0.1% threshold (de minimis) is identified as a probable, possible, potential or confirmed carcinogen by IARC, ACGIH, NTP or OSHA. No data is available regarding the mutagenicity or teratogenicity of this product, nor is there any available data that indicated that it caused adverse developmental or fertility effects.

Handle in accordance with good industrial hygiene and safety practice.

## SECTION 12 - ECOLOGICAL INFORMATION

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### 12.1 Toxicity

This product contains components that are potentially toxic to freshwater and salt water ecosystems.

The hydrocarbons in this product are not toxic to fish but may coat gill structures resulting in suffocation if spilled in shallow, running water. They may be moderately toxic to amphibians by preventing dermal respiration. They may cause gastrointestinal distress to birds and mammals through ingestion during pelage grooming. If applied to leaves, distillates may kill grasses and small plants by interfering with transpiration and respiration.

### 12.2 Persistence and degradability

Organic materials in this product are expected to biodegrade over time.

### 12.3 Bioaccumulation potential

This material has the potential to bioaccumulate.

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

No data available

#### 12.6 Other adverse effects

##### Additional ecological information

Do not allow material to run into surface waters, wastewater or soil.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

### SECTION 13 - DISPOSAL CONSIDERATIONS

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#### 13.1 Waste treatment methods

**Methods of disposal:** The generation of waste should be avoided or minimized whenever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**RCRA P-Series:** No listings

**RCRA U-Series:** No listings

### SECTION 14 - TRANSPORT INFORMATION

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**Note:** Transportation information provided is for reference only. Customer is urged to consult 49 CFR 100 - 177, IMDG, IATA, EC, United Nations TDG and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

#### USA DOT (Ground Transportation) - Bulk

**Proper Shipping Name:** Combustible liquid, n.o.s. (Distillates (Petroleum), Hydrotreated Light)

**Hazard Class:** Comb liq

**UN/NA:** NA1993

**Packing Group:** III

**NAERG:** Guide #128

**Packaging Authorization:** Non-Bulk: 49 CFR 173.203; Bulk: 173.241

**Packaging Exceptions:** 49 CFR 173.150

**Consumer Products:** Limited quantity for transport when inner packagings are ≤5.0 l (1.3 gal) net capacity each, packed in a strong outer packaging

#### IMO/IMDG (Water Transportation)

Not regulated for transport (Consult IMO regulations before transporting ocean bulk.)

#### ICAO/IATA (Air Transportation)

Not regulated for transport

#### RID/ADR (Rail Transportation)

Not regulated for transport

### SECTION 15 - REGULATORY INFORMATION

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#### 15.1 Safety, health and environmental regulations/legislation specific for substance or mixture

##### U. S. Federal Regulations

**OSHA Hazard Communication Standard:** This material is classified as hazardous in accordance with OSHA 29 CFR 1910-1200.

**OSHA Process Safety Management Standard:** This product is not regulated under OSHA PSM Standard 29 CFR 1910.119.

**EPA Risk Management Planning Standard:** This product is not regulated under EPA RMP Standard (RMP) 40 CFR Part 68.

**EPA Federal Insecticide, Fungicide and Rodenticide Act:** This product is not a registered Pesticide under the FIFRA, 40 CFR Part 150.

**Toxic Substance Control Act (TSCA) Inventory:** All of the components of this product are either listed or exempt from listing on the TSCA Inventory. It is not subject to TSCA 12(b) Export Notification.

**Drug Enforcement Administration (DEA) List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.4(f)(2)) and Chemical Code Number**  
None listed

**Drug Enforcement Administration (DEA) Lists 1 & 2, Exempt Chemical Mixtures (21 CFR 1310.12(c)) and Code Number:** None listed

**Department of Homeland Security (DHS) Chemical Facility Anti-Terrorism Standards (CFATS) Chemicals:** None listed

##### **Superfund Amendments and Reauthorization Act (SARA)**

**SARA Section 311/312 Hazard Categories:** Fire Hazard, Acute Health Hazard

**SARA 313 Information:** None of the components of this product exceed the threshold (de minimis) reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986.

**SARA 302/304 Extremely Hazardous Substance:** No components of the product exceed the threshold (de minimis) reporting levels established by of these sections of Title III of SARA.

**SARA 302/304 Emergency Planning & Notification:** No components of the product exceed the threshold (de minimis) reporting levels established by of these sections of Title III of SARA.

**Comprehensive Response Compensation and Liability Act (CERCLA):** This product contains no CERCLA reportable substances.

##### **Clean Air Act (CAA)**

This product does not contain any substances listed as Hazardous Air Pollutants (HAPs) designated in CAA Section 112(b).

This product does not contain any Class 1 Ozone depletors.



This product does not contain any Class 2 Ozone depleters.

#### Clean Water Act (CWA)

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

Distillates (Petroleum), Hydrotreated Light is classified as an oil under Section 311 of the CWA and the Oil Pollution Act (OPA) of 1990.

#### U.S. State Regulations

##### California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986

This product contains no chemical(s) known to the state of California to cause cancer birth defects or reproductive harm in concentrations that exceed the threshold (de minimis) reporting levels established under Proposition 65

##### Other U.S. State Inventories

None of the components of this product are listed on any State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air Pollutants lists.

#### Canada

**WHMIS Hazard Classification:** Combustible liquid. May be fatal if swallowed and enters the lungs.

**Canadian National Pollutant Release Inventory (NPRI):** No data available

#### European Economic Community

**WGK, Germany (Water danger/protection):** No data available

#### Global Chemical Inventory Lists

Country	Inventory Name	Inventory Listing*
Canada	Domestic Substance List (DSL)	Yes
Canada	Non-Domestic Substance List (NDSL)	No
Europe	Inventory of New and Existing Chemicals (EINECS)	Yes
United States	Toxic Substance Control Act (TSCA)	Yes
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
New Zealand	New Zealand Inventory of Chemicals (NZIoC)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
Philippines	Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Yes

\*Yes - All components of this product are in compliance with the inventory requirements administered by the governing country.

No - One or more components of this product are not on the inventory or are exempt from listing.

## 15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

## SECTION 16 - OTHER INFORMATION

#### Hazardous Material Information System (HMIS)

Health	1
Flammability	2
Physical Hazard	0
Personal Protection	B

B = Safety glasses and gloves

##### HMIS Hazard Rating Legend

0 = Minimal 1 = Slight 2 = Moderate 3 = Serious  
4 = Severe \* = Chronic Health Hazard

##### NFPA Hazard Rating Legend

0 = Insignificant 1 = Slight 2 = Moderate  
3 = High 4 = Extreme

#### National Fire Protection Association (NFPA)

##### Flammability



##### Special

#### Abbreviation Key

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists	<b>mppcf</b>	Millions of Particles Per Cubic Foot
<b>ADR</b>	Accord Dangereux Routier (European regulations concerning the international transport of dangerous by road)	<b>NA</b>	North America
<b>CAS</b>	Chemical Abstract Services	<b>NAERG</b>	North American Emergency Response Guide Book
<b>CFR</b>	Code of Federal Regulations	<b>NIOSH</b>	National Institute for Occupational Safety
<b>DOT</b>	Department of Transportation	<b>NTP</b>	National Toxicology Program
<b>EMS Guide</b>	Emergency Response Procedures for Ships Carrying Dangerous Goods	<b>OSHA</b>	Occupational Safety and Health Administration
<b>EPA</b>	Environmental Protection Agency	<b>PBT</b>	Persistent, Bioaccumulating and Toxic
<b>ERG</b>	Emergency Response Guide Book	<b>PEL</b>	Permissible Exposure Limit
<b>FDA</b>	Food and Drug Administration	<b>PMCC</b>	Pensky-Martens Closed Cup
<b>GHS</b>	Globally Harmonized System of Classification and Labelling of Chemicals (GHS)	<b>ppm</b>	Parts Per Million
<b>HCS</b>	Hazard Communication Standard	<b>RCRA</b>	Resource Conservation and Recovery Act
<b>IARC</b>	International Agency for Research on Cancer	<b>RID</b>	Dangerous Goods by Rail
<b>IATA</b>	International Air Transport Association	<b>RQ</b>	Reportable Quantity
<b>ICAO</b>	International Civil Aviation Organization	<b>TCC/Tag</b>	Tagliabue Closed Cup
<b>IDLH</b>	Immediately Dangerous to Life and Health	<b>TLV</b>	Threshold Limit Value
<b>IMDG</b>	International Maritime Dangerous Goods	<b>TSCA</b>	Toxic Substance Control Act
		<b>TWA</b>	Time-Weighted Average
		<b>UN</b>	United Nations
		<b>VOC</b>	Volatile Organic Compounds
		<b>vPvB</b>	Very Persistent and Very Bioaccumulating

**DISCLAIMER OF RESPONSIBILITY**

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