

**Safety Data Sheet**  
**A-A-59601E Type III**


Version 2.0

Revision Date: 07/25/2022

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name** : A-A-59601E Type III  
**Product Use Description** : Dry Cleaning and Degreasing Solvent  
**Manufacturer or supplier's details**  
**Company** : Alliance Chemical  
**Address** : 204 S. Edmond St.  
Taylor, Texas 76574  
United States of America  
**Cage Code:** : 1LT50  
**NSN** : 6850-01-331-3349, 6850-01-377-1811, 6850-01-377-1808, 6850-01-377-1809, 6850-01-331-3350, 6850-01-377-1916  
**Emergency telephone number:**  
CHEMTEL - 800-255-3924 (24 Hours/Day, 7 Days/Week)  
  
**Additional Information:** : Responsible Party: Product Safety Group  
SDS Requests: 1-512-365-6838  
Website: www.alliancechemical.com

**SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification**  
Aspiration hazard : Category 1  
  
**GHS Label element**  
Hazard pictograms :   
  
Signal word : Danger  
  
Hazard statements : H304 May be fatal if swallowed and enters airways.  
  
Precautionary statements : **Response:**  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.  
P331 Do NOT induce vomiting.  
**Storage:**  
P405 Store locked up.  
**Disposal:**

# Safety Data Sheet

## A-A-59601E Type III

Version 2.0

Revision Date: 07/25/2022

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

### Potential Health Effects

#### 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.

##### ACGIH

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

##### OSHA

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

##### 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.

### Emergency Overview

Appearance	liquid
Colour	Clear, Colorless
Odour	Hydrocarbon-like
Hazard Summary	No information available.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Hazardous components

CAS-No.	Chemical Name	Concentration (%)
64742-47-8	Distillates (pet), hydrotreated light	70 - 100
90622-46-1	Alkanes, C14-16	20 - 30

## SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.

## Safety Data Sheet

### A-A-59601E Type III

Version 2.0

Revision Date: 07/25/2022

---

	Symptoms of poisoning may appear several hours later. Do not leave the victim unattended.
If inhaled	: If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	: First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.
In case of eye contact	: Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	: Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

---

#### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Dry chemical Carbon dioxide (CO <sub>2</sub> ) Foam Water spray
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	: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Further information	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

# Safety Data Sheet

## A-A-59601E Type III

Version 2.0

Revision Date: 07/25/2022

Special protective equipment for firefighters : Wear self-contained breathing apparatus for fire-fighting if necessary.

### **NFPA Flammable and Combustible Liquids Classification:**

Combustible Liquid Class IIIB

---

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

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.

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 : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

---

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

Advice on safe handling : Do not breathe vapours/dust.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
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.  
Electrical installations / working materials must comply with the technological safety standards.

---

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Components with workplace control parameters**

CAS-No.	Components	Value type (Form of	Control parameters / Permissi-	Basis
---------	------------	---------------------	--------------------------------	-------

# Safety Data Sheet

## A-A-59601E Type III

Version 2.0

Revision Date: 07/25/2022

		exposure)	ble concentra- tion	
64742-47-8	Distillates (pet), hydro-treated light	TWA	500 ppm 2,000 mg/m <sup>3</sup>	OSHA Z-1
		TWA	200 mg/m <sup>3</sup> (total hydrocarbon vapor)	ACGIH
		TWA	400 ppm 1,600 mg/m <sup>3</sup>	OSHA P0

### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.  
In the case of vapour formation use a respirator with an approved filter.

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

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles

Skin and body protection : impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

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

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : Clear, Colorless

Odour : Hydrocarbon-like

Odour Threshold : No data available

pH : No data available

Freezing Point (Melting point/range) : -22 °C (-8 °F)

## Safety Data Sheet

### A-A-59601E Type III

Version 2.0

Revision Date: 07/25/2022

Boiling Point (Boiling point/boiling range)	: 242 - 276 °C (468 - 529 °F) Method: ASTM E 472-86
Flash point	: 109 - 114 °C (228 - 237 °F)
Evaporation rate	: < 1 (Butyl Acetate = 1)
Flammability (solid, gas)	: No data available
Burning rate	: No data available
Upper explosion limit	: 4.7 - 7.0 %(V)
Lower explosion limit	: 0.5 %(V)
Vapour pressure	: < 0.1 mmHg @ 20 °C (68 °F)
Relative vapour density	: 6.8
Relative density	: 0.808 @ 15.6 °C (60.1 °F)
Density	: 0.811 g/cm <sup>3</sup> @ 15.5 °C (59.9 °F)
Bulk density	: No data available
Solubility(ies)	
Water solubility	: Negligible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: 220 - 224 °C
Thermal decomposition	: No data available
Viscosity	
Viscosity, kinematic	: 2.54 - 3.8 mm <sup>2</sup> /s @ 20 - 40 °C (68 - 104 °F)

#### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
------------	---

# Safety Data Sheet

## A-A-59601E Type III

Version 2.0

Revision Date: 07/25/2022

Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No hazards to be specially mentioned.
Conditions to avoid	: Keep away from heat, flame, sparks and other ignition sources.
Incompatible materials	: Oxidizing agents

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### Components:

##### **64742-47-8:**

Acute oral toxicity	: LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity	: Remarks: No data available
Acute dermal toxicity	: LD50 (Rabbit, male and female): > 2,000 mg/kg Method: Fixed dose procedure GLP: yes Assessment: The substance or mixture has no acute dermal toxicity

##### **90622-46-1:**

Acute oral toxicity	: Remarks: No data available
Acute inhalation toxicity	: Remarks: No data available
Acute dermal toxicity	: Remarks: No data available

#### Skin corrosion/irritation

##### Product:

Result: No skin irritation

##### Components:

##### **64742-47-8:**

Remarks: No data available

##### **90622-46-1:**

Remarks: No data available

# Safety Data Sheet

## A-A-59601E Type III

Version 2.0

Revision Date: 07/25/2022

### Serious eye damage/eye irritation

#### **Product:**

Result: No eye irritation

#### **Components:**

##### **64742-47-8:**

Remarks: No data available

##### **90622-46-1:**

Remarks: No data available

### Respiratory or skin sensitisation

#### **Components:**

##### **64742-47-8:**

Test Type: Buehler Test

Exposure routes: Dermal

Species: Guinea pig

Method: In vivo

Result: Did not cause sensitisation on laboratory animals.

GLP: yes

##### **90622-46-1:**

Remarks: No data available

### Germ cell mutagenicity

#### **Components:**

##### **64742-47-8:**

Genotoxicity in vitro : Test Type: Mammalian cell gene mutation assay  
Test species: Mouse lymphoma cells  
Metabolic activation: with and without metabolic activation  
Result: negative  
GLP: yes

Genotoxicity in vivo : Test Type: Chromosome aberration assay in vivo  
Test species: Rat (male and female)  
Cell type: Bone marrow  
Application Route: Intraperitoneal  
Exposure time: 6 - 48 hrs  
Dose: 0, 300, 1000, 3000 mg/kg bw  
Result: negative  
GLP: yes



# Safety Data Sheet

## A-A-59601E Type III

Version 2.0

Revision Date: 07/25/2022

Germ cell mutagenicity-Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

### Carcinogenicity

#### Components:

##### **64742-47-8:**

Species: Mouse, (male and female)

Application Route: Dermal

Exposure time: 105 wks

Dose: 0, 25 mg/application

Frequency of Treatment: 3 days/week

LOAEL: 25

Result: Limited evidence of carcinogenic effects

Symptoms: Local irritation, Dermal tumours

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

### Reproductive toxicity

#### Components:

##### **64742-47-8:**

Effects on fertility : Test Type: Fertility  
Species: Rat, male and female  
Application Route: Oral  
Dose: 0, 375, 750, 1500 mg/kg/d  
General Toxicity - Parent: NOAEL: 750 mg/kg body weight  
General Toxicity F1: NOAEL: 750 mg/kg body weight  
Fertility: NOAEL:  $\geq$  1,500 mg/kg body weight  
Symptoms: Reduced maternal body weight gain  
Reduced offspring weight gain  
Result: No reproductive effects.

Effects on foetal development : Species: Rat  
Application Route: Oral  
Dose: 0, 500, 1000, 1500, 2000mg/kg  
Duration of Single Treatment: 10 d  
General Toxicity Maternal: NOAEL: 500 mg/kg body weight  
Teratogenicity: NOAEL: 2,000 mg/kg body weight  
Developmental Toxicity: NOAEL: 1,000 mg/kg body weight  
Symptoms: Reduced body weight  
Method: OECD Test Guideline 414  
Result: Developmental toxicity occurred at maternal toxicity dose levels, No teratogenic effects

# Safety Data Sheet

## A-A-59601E Type III

Version 2.0

Revision Date: 07/25/2022

Reproductive toxicity - Assessment : Animal testing did not show any effects on fertility. Embryotoxicity classification not possible from current data.

### STOT - single exposure

#### Product:

Exposure routes:	Target Organs:	Assessment:	Remarks:
		The substance or mixture is not classified as specific target organ toxicant, single exposure.	

#### Components:

64742-47-8: No data available

90622-46-1:

Exposure routes:	Target Organs:	Assessment:	Remarks:
Inhalation	Central nervous system	May cause drowsiness or dizziness., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.	

### STOT - repeated exposure

Product: No data available

#### Components:

64742-47-8: No data available

90622-46-1: No data available

### Repeated dose toxicity

#### Components:

64742-47-8:

Species: Rat, male

LOAEL: 750 mg/kg

Application Route: Oral

Exposure time: 70 - 90 days

Number of exposures: daily

## Safety Data Sheet

### A-A-59601E Type III

Version 2.0

Revision Date: 07/25/2022

Dose: 0, 750, 1500, 3000 mg/kg/d

GLP: yes

Symptoms: weight loss, Liver effects, Stomach/intestinal disorders

Species: Rat, female

NOAEL: 750 mg/kg

Application Route: Oral

Exposure time: 21 wks

Number of exposures: daily

Dose: 0, 325, 750, 1500 mg/kg/d

GLP: yes

Symptoms: weight loss, Liver effects, Stomach/intestinal disorders

Species: Mouse, male and female

NOAEL:  $\geq 1000$

Application Route: inhalation (vapour)

Exposure time: 90 d

Number of exposures: 24 h/d, daily

Dose: 0, 500, 1000 mg/m<sup>3</sup>

GLP: No data available

Species: Rat, male and female

NOAEL:  $\geq 0,5$

Application Route: Dermal

Exposure time: 28 d

Number of exposures: 6 h/d, 5 d/wk

Dose: 0, 0.01, 0.05, 0.5 ml/kg bw/d

Method: OECD Test Guideline 410

GLP: yes

Symptoms: Local irritation

Repeated dose toxicity - : Causes skin irritation.  
Assessment

#### Aspiration toxicity

##### **Product:**

May be fatal if swallowed and enters airways.

##### **Components:**

###### **64742-47-8:**

May be fatal if swallowed and enters airways.

###### **90622-46-1:**

May be fatal if swallowed and enters airways.

#### Further information

##### **Product:**

# Safety Data Sheet

## A-A-59601E Type III

Version 2.0

Revision Date: 07/25/2022

Remarks: Solvents may degrease the skin.

### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

##### **Components:**

##### **64742-47-8:**

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 25 mg/l  
Exposure time: 96 h  
Test Type: static test  
Analytical monitoring: yes  
Method: OECD Test Guideline 203  
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): 1.4 mg/l  
Exposure time: 48 h  
Test Type: static test  
Analytical monitoring: yes  
Method: OECD Test Guideline 202  
GLP: yes

Toxicity to algae : EL50 (Pseudokirchneriella subcapitata (green algae)):  
1 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test  
Analytical monitoring: yes  
Method: OECD Test Guideline 201  
GLP: yes

##### Ecotoxicology Assessment

Acute aquatic toxicity : Toxic to aquatic life.

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

##### **90622-46-1:**

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Toxicity to algae : Remarks: No data available

# Safety Data Sheet

## A-A-59601E Type III

Version 2.0

Revision Date: 07/25/2022

### Persistence and degradability

#### Components:

##### **64742-47-8:**

Biodegradability : aerobic  
Concentration: 101 mg/l  
Biodegradation: 61 %  
Exposure time: 28 d  
GLP: yes  
Remarks: Readily biodegradable

##### **90622-46-1:**

Biodegradability : Remarks: No data available

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

No data available

#### Product:

Regulation 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

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

---

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of in accordance with all applicable local, state and federal regulations.  
For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact NEXEO's Environmental Services Group at 800-637-7922.

The product should not be allowed to enter drains, water courses or the soil.

## Safety Data Sheet

### A-A-59601E Type III

Version 2.0

Revision Date: 07/25/2022

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.  
Do not re-use empty containers.

---

#### SECTION 14. TRANSPORT INFORMATION

**IATA (International Air Transport Association):** Not regulated as a dangerous good

**IMDG-Code:** Not regulated as a dangerous good

**DOT (Department of Transportation):** Not regulated as a dangerous good

---

#### SECTION 15. REGULATORY INFORMATION

**OSHA Hazards** : Aspiration hazard

**WHMIS Classification** : : Not Rated

##### **EPCRA - Emergency Planning and Community Right-to-Know Act**

##### **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

##### **SARA 304 Extremely Hazardous Substances Reportable Quantity**

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

**SARA 311/312 Hazards** : Immediate (Acute) Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**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**

# Safety Data Sheet

## A-A-59601E Type III

Version 2.0

Revision Date: 07/25/2022

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (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 SOCOMI Intermediate or Final VOC's (40 CFR 60.489).

### Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. Clean-Water Act, Section 311, Table 117.3.

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

No components are subject to the Massachusetts Right to Know Act.

#### Pennsylvania Right To Know

64742-47-8	Distillates (pet), hydrotreated light	70 - 100 %
90622-46-1	Alkanes, C14-16	20 - 30 %

#### New Jersey Right To Know

64742-47-8	Distillates (pet), hydrotreated light	70 - 100 %
90622-46-1	Alkanes, C14-16	20 - 30 %

#### 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:

<b>United States TSCA Inventory</b>	:	y (positive listing) (On TSCA Inventory)
<b>Canadian Domestic Substances List (DSL)</b>	:	y (positive listing) (All components of this product are on the Canadian DSL.)
<b>Australia Inventory of Chemical Substances (AICS)</b>	:	n (Negative listing) (Not in compliance with the inventory)
<b>New Zealand. Inventory of Chemical Substances</b>	:	n (Negative listing) (Not in compliance with the inventory)

# Safety Data Sheet

## A-A-59601E Type III

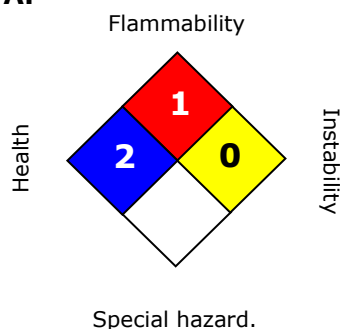
Version 2.0

Revision Date: 07/25/2022

<b>Japan. ENCS - Existing and New Chemical Substances Inventory</b>	:	n (Negative listing) (Not in compliance with the inventory)
<b>Korea. Korean Existing Chemicals Inventory (KECI)</b>	:	y (positive listing) (On the inventory, or in compliance with the inventory)
<b>Philippines Inventory of Chemicals and Chemical Substances (PICCS)</b>	:	n (Negative listing) (Not in compliance with the inventory)
<b>China. Inventory of Existing Chemical Substances in China (IECSC)</b>	:	n (Negative listing) (Not in compliance with the inventory)

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

#### NFPA:



#### HMIS III:

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 =Slight,  
2 = Moderate, 3 = High  
4 =Extreme, \* = Chronic

Disclaimer: ALLIANCE CHEMICAL believes that the information on this SDS was obtained from reliable sources. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, ALLIANCE CHEMICAL does not assume responsibility and expressly disclaims liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable. Information is **Material number** best of our knowledge at the date of the SDS publication.



# Safety Data Sheet

## A-A-59601E Type III

Version 2.0

Revision Date: 07/25/2022

<b>Key or legend to abbreviations and acronyms used in the safety data sheet</b>			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50			Lethal Concentration 50%