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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : 142 Solvent **Product Use Descrip-** : Solvent.

tion

Manufacturer or supplier's details

Company : Nexeo Solutions LLC - STARTEX[™] **Address** 3 Waterway Square Place Suite 1000

Woodlands, Tx. 77380 United States of America

Emergency telephone number:

Health North America: 1-855-NEXEO4U (1-855-639-3648) Health International: 1-855-NEXEO4U (1-855-639-3648) Transport North America: CHEMTREC 800.424.9300

Additional Infor-

mation:

: Responsible Party: Product Safety Group E-Mail: msds@nexeosolutions.com

SDS Requests: 1-855-429-2661 SDS Requests Fax: 1-281-500-2370 Website: www.nexeosolutions.com

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Category 4

Skin irritation : Category 2

Eye irritation : Category 2A

Specific target organ tox-

icity - single exposure

: Category 3 (Central nervous system)

Aspiration hazard : Category 1

GHS Label element

Hazard pictograms





Signal word : Danger

Hazard statements : H227 Combustible liquid.

H304 May be fatal if swallowed and enters airways.

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H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements

: Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ eye protection/ face protection.

Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water

P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P331 Do NOT induce vomiting.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage:

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

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

Disposal:

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.

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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.

OSHANo 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 antici-

pated carcinogen by NTP.

Emergency Overview

Appearance	liquid
Colour	colourless
Odour	hydrocarbon-like
Hazard Summary	No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Hazardous components

CAS-No.	Chemical Name	Concentration (%)
64742-48-9 /	Naphtha (pet), hydrotreated heavy	90 - 100
64742-47-8	AND/OR Distillates (pet), hydrotreated light	

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.

Show this safety data sheet to the doctor in attend-

ance.

Symptoms of poisoning may appear several hours

later.

Do not leave the victim unattended.

If inhaled : Consult a physician after significant exposure.

If unconscious place in recovery position and seek

medical advice.

In case of skin contact : If skin irritation persists, call a physician.

If on skin, rinse well with water.

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If on clothes, remove clothes.

In case of eye contact : Immediately flush eye(s) with plenty of water.

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 per-

son.

If symptoms persist, call a physician. Take victim immediately to hospital.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing

media

: Carbon dioxide (CO2)

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

: Use a water spray to cool fully closed containers.

Further information : Collect contaminated fire extinguishing water sepa-

rately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regu-

lations.

For safety reasons in case of fire, cans should be

stored separately in closed containments.

Special protective equip-

ment for firefighters

: Wear self-contained breathing apparatus for fire-

fighting if necessary.

NFPA Flammable and Combustible Liquids Classification:

Combustible Liquid Class II

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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

: Contain spillage, and then collect with noncombustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regula-

tions (see section 13).

Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Avoid formation of aerosol.

Do not breathe vapours/dust.

Avoid exposure - obtain special instructions before

use.

Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in

the application area.

Provide sufficient air exchange and/or exhaust in work

rooms.

Dispose of rinse water in accordance with local and

national regulations.

Conditions for safe stor-

age

: No smoking.

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 com-

ply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

CAS-No. Components	Value type	Control parame-	Basis
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		(Form of exposure)	ters / Permissi- ble concentra- tion	
64742-48-9 / 64742-47- 8	Naphtha (pet), hydrotreated heavy AND/OR Distillates (pet), hydrotreated light	TWA	500 ppm 2,000 mg/m3	OSHA Z-1
		TWA	400 ppm 1,600 mg/m3	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 dis-

cussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water

Tightly fitting safety goggles

Wear face-shield and protective suit for abnormal pro-

cessing problems.

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 : colourless

Odour : hydrocarbon-like

Odour Threshold : No data available

pH : No data available

Freezing Point (Melting : -58 °C (-72 °F)

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point/range)

Boiling Point (Boiling

point/boiling range)

: Expected 158 - 243.3 °C (316 - 469.9 °F)

Flash point : Expected 61 - 66 °C (142 - 151 °F)

Evaporation rate : < 1

n-Butyl Acetate Flammability (solid, gas) : No data available

Burning rate : No data available

Upper explosion limit : 5.5 - 6 %(V)

: 0.6 - 0.7 %(V) Lower explosion limit

Vapour pressure : Expected 0.225 - 0.6975 mmHg @ 0 - 25 °C (32 - 77

°F)

Relative vapour density 4.5(Air = 1.0)

: 0.78 - 0.81 Relative density

Density : Expected 0.78 - 0.805 g/cm3 @ 15 °C (59 °F)

Bulk density : No data available

Solubility(ies)

: 1.5 g/l negligible Water solubility

Solubility in other sol- : No data available

vents

Partition coefficient: n-

octanol/water

: No data available

Auto-ignition temperature : 235 - 315 °C

Thermal decomposition : No data available

Viscosity

: 1.8 mm2/s @ 20 °C (68 °F) Viscosity, kinematic

SECTION 10. STABILITY AND REACTIVITY

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Reactivity : No dangerous reaction known under conditions of

normal use.

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 : Strong oxidizing agents

Strong acids strong alkalis Chlorine Oxygen

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Components:

64742-48-9 / 64742-47-8:

Acute oral toxicity : LD50 (rat): > 5,000 mg/kg

Assessment: The substance or mixture has no acute

oral toxicity

Acute inhalation toxicity : LC50 (rat): > 5610

Assessment: The component/mixture is low toxic after

short term inhalation.

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

Skin corrosion/irritation

Product:

Result: Irritating to skin.

Components:

64742-48-9 / 64742-47-8:

Species: rabbit

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Exposure time: 24 h Method: In vivo

Result: Irritating to skin.

Serious eye damage/eye irritation

Product:

Result: Irritating to eyes.

Components:

64742-48-9 / 64742-47-8:

Species: rabbit

Result: Irritating to eyes.

Method: OECD Test Guideline 405

Respiratory or skin sensitisation

Components:

64742-48-9 / 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

Germ cell mutagenicity

Components:

64742-48-9 / 64742-47-8:

Germ cell mutagenicity- : Tests on bacterial or mammalian cell cultures did not

Assessment show mutagenic effects.

Carcinogenicity

Components:

64742-48-9 / 64742-47-8:

Carcinogenicity - As- : Not classifiable as a human carcinogen.

sessment

Reproductive toxicity

Components:

64742-48-9 / 64742-47-8:

Reproductive toxicity - : Animal testing did not show any effects on fertility.

Assessment : Embryotoxicity classification not possible from current

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data.

STOT - single exposure Product:No data available

Components:

64742-48-9 / 64742-47-8:

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:

64742-48-9 / 64742-47-8: No data available

Repeated dose toxicity

Components:

64742-48-9 / 64742-47-8:

Species: rat, male LOAEL: 750 mg/kg Application Route: Oral Exposure time: 70 - 90 days Number of exposures: daily

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: >= 1000

Application Route: inhalation (vapour)



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Exposure time: 90 d

Number of exposures: 24 h/d, daily

Dose: 0, 500, 1000 mg/m3 GLP: No data available

Species: rat, male and female

NOAEL: >=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

Aspiration toxicity

Product:

Aspiration Toxicity - Category 1

Components:

64742-48-9 / 64742-47-8:

May be fatal if swallowed and enters airways.

Further information

Product:

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

64742-48-9 / 64742-47-8:

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 10 mg/l

Exposure time: 96 h

Test Type: semi-static test

: EL50 (Daphnia magna (Water flea)): 1.4 mg/l

Method: OECD Test Guideline 203

Toxicity to daphnia and

other aquatic inverte-

Exposure time: 48 h brates Test Type: static test

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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.

Persistence and degradability

Components:

64742-48-9 / 64742-47-8:

Biodegradability : aerobic

Concentration: 101 mg/l Biodegradation: 61 % Exposure time: 28 d

GLP: yes

Remarks: Readily biodegradable

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 Sub-

stances

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 in-

formation

: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Toxic to

aquatic life with long lasting effects.



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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.

Contaminated packaging : Empty remaining contents.

Dispose of as unused product. Do not re-use empty containers.

Do not burn, or use a cutting torch on, the empty

drum.

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): UN1268, PETROLEUM DISTILLATES, N.O.S., CBL, III

Special Notes: : The flash point for this material is greater than 100 F

(38 C). Therefore, in accordance with 49 CFR 173.150(f) non-bulk containers (<450L or <119 gallon capacity) of this material may be shipped as non-regulated when transported solely by land, as long as the material is not a hazardous waste, a marine pollutant, or specifically listed as a hazardous substance.

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : Combustible Liquid, Moderate skin irritant, Moderate

eye irritant, Specific target organ toxicity - single

exposure, Aspiration hazard

WHMIS Classification : B3: Combustible Liquid

D2B: Toxic Material Causing Other Toxic Effects



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

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
**Benzene	71-43-2	10	*

^{*:} Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

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

SARA 311/312 : Fire Hazard

Hazards Acute Health Hazard

SARA 302 : SARA 302: No chemicals in this material are subject

to the reporting requirements of SARA Title III,

Section 302.

SARA 313 : SARA 313: This material does not contain any chemi-

cal components with known CAS numbers that exceed the threshold (De Minimis) reporting levels estab-

lished by SARA Title III, Section 313.

Clean Air Act

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

108-88-3	**Toluene	0.0099 %
98-82-8	**Cumene	0.0009 %
71-43-2	**Benzene	0.9999 PPM
100-41-4	**Ethylbenzene	0.9999 PPM
91-20-3	**Naphthalene	0.9999 PPM

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).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):

108-88-3	**Toluene	0.0099 %
98-82-8	**Cumene	0.0009 %
71-43-2	**Benzene	0.9999 PPM
100-41-4	**Ethylbenzene	0.9999 PPM

Clean Water Act

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

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

108-88-3	**Toluene	0.0099 %
71-43-2	**Benzene	0.9999 PPM
100-41-4	**Ethylbenzene	0.9999 PPM
91-20-3	**Naphthalene	0.9999 PPM

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

108-88-3	**Toluene	0.0099 %
71-43-2	**Benzene	0.9999 PPM
100-41-4	**Ethylbenzene	0.9999 PPM
91-20-3	**Naphthalene	0.9999 PPM

US State Regulations

Massachusetts Right To Know

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

Pennsylvania Right To Know

64742-48-9 /	Naphtha (pet), hydrotreated heavy	90 - 100 %
64742-47-8	AND/OR Distillates (pet), hydrotreated	
	light	

New Jersey Right To Know

64742-48-9 /	Naphtha (pet), hydrotreated heavy	90 - 100 %
64742-47-8	AND/OR Distillates (pet), hydrotreated	
	light	

California Prop 65 WARNING! This product contains a chemical known to the State of California to cause cancer. **Cumana

98-82-8	""Cumene
71-43-2	**Benzene
100-41-4	**Ethylbenzene
91-20-3	**Naphthalene
	WARNING: This

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

reproductive harm.

108-88-3 **Toluene 71-43-2 **Benzene

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

United States TSCA Inventory	:	y (positive listing) (On TSCA Invento- ry)
Canadian Domestic Substances List (DSL)	:	y (positive listing) (All components of this product are on the Canadian DSL.)
Australia Inventory of Chemical Substances (AICS)	:	y (positive listing) (On the inventory, or in compliance with the inventory)
New Zealand. Inventory of Chemical Substances	:	y (positive listing)



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

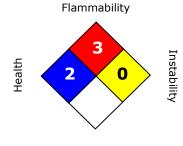
Special Notes: : ** Other substances in the product which may pre-

sent a health or environmental hazard.

SECTION 16. OTHER INFORMATION

Further information

NFPA:



Special hazard.

HMIS III:

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High

4 =Extreme, * = Chronic

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be ap-

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plied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by NEXEO $^{\text{TM}}$ Solutions EHS Product Safety Department (1-855-429-2661) MSDS@nexeosolutions.com.

Key or legend to abbreviations and acronyms used in the safety data sheet							
ACGIH	American Conference of Gov-	LD50	Lethal Dose 50%				
	ernment Industrial Hygienists						
AICS	Australia, Inventory of Chem-	LOAEL	Lowest Observed Adverse Effect				
	ical Substances		Level				
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency				
NDSL	Canada, Non-Domestic Sub- stances 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	Philipines 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 Compositon, Complex Reaction Products, and Biological Materials				
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System				
LC50		Lethal Conc	entration 50%				