

## Safety Data Sheet

### Mineral Spirits Odorless

Version 1.0

Revision Date: 08/22/2014

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** : Mineral Spirits Odorless  
**Product Use Description** : SOLVENT

#### Manufacturer or supplier's details

**Company** : Nexeo Solutions LLC  
**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 Information:** : Responsible Party: Product Safety Group  
 E-Mail: msds@nexeosolutions.com  
 MSDS Requests: 1-855-429-2661  
 MSDS Requests Fax: 1-281-500-2370  
 Website: www.nexeosolutions.com

#### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Flammable liquids : Category 3  
 Skin irritation : Category 2  
 Specific target organ toxicity - single exposure : Category 3 (Central nervous system)  
 Aspiration hazard : Category 1

#### GHS Label element

Hazard pictograms : 

Signal word : Danger

Hazard statements : H226 Flammable liquid and vapour.  
 H304 May be fatal if swallowed and enters airways.  
 H315 Causes skin irritation.  
 H336 May cause drowsiness or dizziness.

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Precautionary statements : **Prevention:**  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P233 Keep container tightly closed.  
 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.

#### Potential Health Effects

##### Carcinogenicity:

**IARC** Group 2B: Possibly carcinogenic to humans  
 64741-65-7 Naphtha (petroleum), heavy alkylate

**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

|                |                           |
|----------------|---------------------------|
| <b>DANGER</b>  |                           |
| Appearance     | liquid                    |
| Colour         | clear, Colorless          |
| Odour          | hydrocarbon-like          |
| Hazard Summary | No information available. |

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Pure substance

#### Hazardous components

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| CAS-No.    | Chemical Name                       | Concentration (%) |
|------------|-------------------------------------|-------------------|
| 64741-65-7 | Naphtha (petroleum), heavy alkylate | 90 - 100          |

**Synonyms** : Odorless Mineral Spirits/Odorless Paint Thinner

#### SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
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.  
If on clothes, remove clothes.
- In case of eye contact : Flush eyes with water as a precaution.  
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.  
Never give anything by mouth to an unconscious person.  
Take victim immediately to hospital.  
If symptoms persist, call a physician.

#### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
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.

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|   |  |
|---|--|
| Hazardous combustion products                 | : Carbon dioxide (CO <sub>2</sub> )<br>Carbon monoxide<br>Unburned hydrocarbons  |
| Specific extinguishing methods                | : Use a water spray to cool fully closed containers.   |
| Further information                           | : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.<br>For safety reasons in case of fire, cans should be stored separately in closed containments. |
| Special protective equipment 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.<br>Ensure adequate ventilation.<br>Remove all sources of ignition.<br>Evacuate personnel to safe areas.<br>Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. |
| Environmental precautions   | : Prevent product from entering drains.<br>Prevent further leakage or spillage if safe to do so.<br>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 non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).                     |

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### SECTION 7. HANDLING AND STORAGE

|                         |   |
|-------------------------|---|
| Advice on safe handling | : Avoid formation of aerosol.<br>Do not breathe vapours/dust.<br>Avoid exposure - obtain special instructions before use. |
|-------------------------|---|

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Avoid contact with skin and eyes.  
 For personal protection see section 8.  
 Smoking, eating and drinking should be prohibited in the application area.  
 Take precautionary measures against static discharges.  
 Provide sufficient air exchange and/or exhaust in work rooms.  
 Open drum carefully as content may be under pressure.  
 Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : 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 comply with the technological safety standards.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

| CAS-No.    | Components                          | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis    |
|------------|-------------------------------------|-------------------------------|--|----------|
| 64741-65-7 | Naphtha (petroleum), heavy alkylate | TWA                           | 500 ppm<br>2,000 mg/m <sup>3</sup>             | OSHA Z-1 |
|            |                                     | TWA                           | 400 ppm<br>1,600 mg/m <sup>3</sup>             | OSHA P0  |

#### Personal protective equipment

Respiratory protection : 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

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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.

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#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : clear, Colorless

Odour : hydrocarbon-like

Odour Threshold : No data available

pH : not applicable

Freezing Point (Melting point/freezing point) : No data available

Boiling Point (Boiling point/boiling range) : 171 - 204 °C (340 - 399 °F)

Flash point : 51 °C (124 °F)

Evaporation rate : 0.1

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

Burning rate : No data available

Upper explosion limit : 7.0 %(V)

Lower explosion limit : 0.6 %(V)

Vapour pressure : 0.700 hPa @ 20 °C (68 °F)  
0.8 mmHg @ 20 °C (68 °F)

Relative vapour density : 5.3AIR=1

Relative density : 0.758 - 0.770 @ 15.6 - 20 °C (60.1 - 68 °F)  
Reference substance: (water = 1)

Density : 6.414 lb/gal @ 20 °C (68 °F)

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|  |                       |
|--|-----------------------|
| Bulk density                           | : No data available   |
| Solubility(ies)                        |                       |
| Water solubility                       | : 0.05 g/l negligible |
| Solubility in other sol-vents          | : No data available   |
| Partition coefficient: n-octanol/water | : No data available   |
| Auto-ignition temperature              | : 260 °C              |
| Thermal decomposition                  | : No data available   |

#### SECTION 10. STABILITY AND REACTIVITY

|                                    |  |
|------------------------------------|--|
| Reactivity                         | : No dangerous reaction known under conditions of normal use.        |
| Chemical stability                 | : Stable under normal conditions.                                    |
| Possibility of hazardous reactions | : Vapours may form explosive mixture with air.                       |
| Conditions to avoid                | : Heat, flames and sparks.   |
| Incompatible materials             | : strong oxidizing agents  |
| Hazardous decomposition products   | : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). |

#### SECTION 11. TOXICOLOGICAL INFORMATION

##### Acute toxicity

##### **Components:**

##### **64741-65-7:**

|                           |  |
|---------------------------|--|
| Acute oral toxicity       | : LD50 (rat): > 2,000 mg/kg<br>Assessment: The substance or mixture has no acute oral toxicity |
| Acute inhalation toxicity | : LC50 (rat): > 10 mg/l  |

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Exposure time: 4 h  
GLP: yes  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 : > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

#### Skin corrosion/irritation

##### **Product:**

Classification: Irritating to skin.  
Result: Irritating to skin.

##### **Components:**

###### **64741-65-7:**

Classification: Irritating to skin.  
Result: Irritating to skin.  
Remarks: No data available

#### Serious eye damage/eye irritation

##### **Product:**

Remarks: No eye irritation

##### **Components:**

###### **64741-65-7:**

Result: No eye irritation  
Classification: No eye irritation  
Remarks: No data available

#### Respiratory or skin sensitisation

##### **Components:**

###### **64741-65-7:**

Assessment: Did not cause sensitisation on laboratory animals.  
Result: Did not cause sensitisation on laboratory animals.  
Remarks: No data available

#### Germ cell mutagenicity

##### **Components:**

###### **64741-65-7:**

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



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#### Carcinogenicity

##### Components:

##### **64741-65-7:**

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

#### Reproductive toxicity

##### Components:

##### **64741-65-7:**

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, and on development, based on animal experiments.  
No evidence of adverse effects on sexual function and fertility, and on development, based on animal experiments.

#### STOT - single exposure

##### Product:

Exposure routes: Inhalation  
Target Organs: Central nervous system  
Assessment: May cause drowsiness or dizziness.

##### Components:

##### **64741-65-7:**

Exposure routes: Inhalation  
Target Organs: Central nervous system  
Assessment: May cause drowsiness or dizziness.

#### STOT - repeated exposure

##### Product:

No data available

##### Components:

No data available

#### Aspiration toxicity

##### Product:

May be fatal if swallowed and enters airways.

##### Components:

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**64741-65-7:**

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 decrease the skin.

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## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

**Components:**

**64741-65-7:**

Toxicity to fish : LC50 (Fish): > 1,000 mg/l

Toxicity to daphnia and other aquatic invertebrates : EC50 (Aquatic invertebrates): > 1,000 mg/l

Toxicity to algae : EC50 (Aquatic plants): > 1,000 mg/l

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

**Persistence and degradability**

**Bioaccumulative potential**

**Components:**

**64741-65-7:**

Partition coefficient: n-octanol/water : log Pow: 3.3 - 5.3

**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

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|                                   |   |
|-----------------------------------|---|
| 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.<br>For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact NEXO's Environmental Services Group at 800-637-7922. |
| Contaminated packaging | : Empty remaining contents.<br>Dispose of as unused product.<br>Do not re-use empty containers.<br>Do not burn, or use a cutting torch on, the empty drum.   |

#### SECTION 14. TRANSPORT INFORMATION

**IATA (International Air Transport Association):** UN1268, PETROLEUM DISTILLATES, N.O.S., (NAPHTHA (PETROLEUM), HEAVY ALKYLATE), 3 , III

**IMDG (International Maritime Dangerous Goods):** UN1268, PETROLEUM DISTILLATES, N.O.S., (NAPHTHA (PETROLEUM), HEAVY ALKYLATE), 3, III, Flash Point:51 °C(124 °F)

**DOT (Department of Transportation):** UN1268, PETROLEUM DISTILLATES, N.O.S., (NAPHTHA (PETROLEUM), HEAVY ALKYLATE), 3, III

#### SECTION 15. REGULATORY INFORMATION

|                     |  |
|---------------------|--|
| <b>OSHA Hazards</b> | : Combustible Liquid, Moderate skin irritant |
|---------------------|--|

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### 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

: Fire Hazard  
Chronic Health Hazard  
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 chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### Clean Air Act

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

|            |                                     |            |
|------------|-------------------------------------|------------|
| 64741-65-7 | Naphtha (petroleum), heavy alkylate | 90 - 100 % |
|------------|-------------------------------------|------------|

#### New Jersey Right To Know

|            |                                     |            |
|------------|-------------------------------------|------------|
| 64741-65-7 | Naphtha (petroleum), heavy alkylate | 90 - 100 % |
|------------|-------------------------------------|------------|

#### California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or

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any other reproductive harm.

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

|   |   |   |
|---|---|---|
| <b>1907/2006 (EU)</b>   | : | n (Negative listing)<br>(Not in compliance with the inventory)                              |
| <b>Switzerland. New notified substances and declared preparations</b>     | : | y (positive listing)<br>(The formulation contains substances listed on the Swiss Inventory) |
| <b>United States TSCA Inventory</b>                                       | : | y (positive listing)<br>(On TSCA Inventory)   |
| <b>Canadian Domestic Substances List (DSL)</b>                            | : | y (positive listing)<br>(All components of this product are on the Canadian DSL.)           |
| <b>Australia Inventory of Chemical Substances (AICS)</b>                  | : | y (positive listing)<br>(On the inventory, or in compliance with the inventory)             |
| <b>New Zealand. Inventory of Chemical Substances</b>                      | : | n (Negative listing)<br>(Not in compliance with the inventory)                              |
| <b>Japan. ENCS - Existing and New Chemical Substances Inventory</b>       | : | n (Negative listing)<br>(Not in compliance with the inventory)                              |
| <b>Japan. ISHL - Inventory of Chemical Substances (METI)</b>              | : | n (Negative listing)<br>(Not in compliance with the inventory)                              |
| <b>Korea. Korean Existing Chemicals Inventory (KECI)</b>                  | : | y (positive listing)<br>(On the inventory, or in compliance with the inventory)             |
| <b>Philippines Inventory of Chemicals and Chemical Substances (PICCS)</b> | : | y (positive listing)<br>(On the inventory, or in compliance with the inventory)             |

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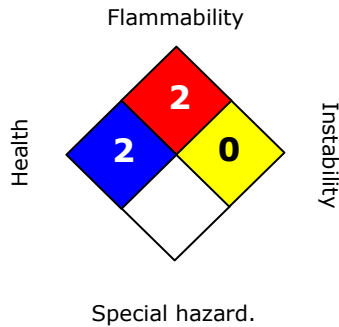
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|  |   |   |
|--|---|---|
| <b>China. Inventory of Existing Chemical Substances in China (IECSC)</b> | : | y (positive listing)<br>(On the inventory,<br>or in compliance<br>with the inventory) |
|--|---|---|

**SECTION 16. OTHER INFORMATION**

**Further information**

**NFPA:**



**HMIS III:**

|                        |           |
|------------------------|-----------|
| <b>HEALTH</b>          | <b>2*</b> |
| <b>FLAMMABILITY</b>    | <b>2</b>  |
| <b>PHYSICAL HAZARD</b> | <b>0</b>  |

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 applied 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™ Solutions EHS Product Safety Department (1-855-429-2661) MSDS@nexeosolutions.com.

**Legacy MSDS:** R0000594

**Material number:**

16061589, 16065737, 16056559, 16056561, 16056560, 16061791, 547042, 635873, 783249, 501966, 20095, 691875, 86039, 554063, 775827, 16026811, 16009323, 70181, 53278, 87264, 20101, 16007246, 86619, 86036, 784578, 153243, 54503, 592411, 16036243, 576376, 508208, 102992, 69665, 20097, 20096, 623658, 16036544, 86610, 506279, 16030187, 594059, 554318, 554250, 554249, 554202, 554127, 554092, 554083, 504043, 16010280, 86531, 20094, 69661, 70153, 86042, 508612, 102943, 102915, 103650, 70235, 53849, 102910, 54506, 508209

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| <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%   |