



# SAFETY DATA SHEET

## 1. Identification

|  |   |
|--|---|
| <b>Important information</b>                                   | *** This Safety Data Sheet is only authorised for use by HP for HP Original products. Any unauthorised use of this Safety Data Sheet is strictly prohibited and may result in legal action being taken by HP. *** |
| <b>Product identifier</b>                                      | CN945 Series  |
| <b>Other means of identification</b>                           |   |
| <b>Synonyms</b>  | HP Scitex XL300 Supreme Light Black Ink   |
| <b>Recommended use of the chemical and restrictions on use</b> |   |
| <b>Recommended use</b>   | Inkjet printing.  |
| <b>Recommended restrictions</b>                                | None known.   |
| <b>Manufacturer/Importer/Supplier/Distributor information</b>  |   |
|  | HP Computing and Printing Middle East FZ-LLC,<br>Dubai Internet City 14 - 3rd Floor (DIC04),<br>Dubai<br>United Arab Emirates   |
| <b>HP Inc. health effect line</b>                              |   |
| (Toll-free within US)  | 1-800-457-4209  |
| (Direct)   | 1-760-710-0048  |
| <b>HP Inc. Customer Care Line</b>                              |   |
| (Toll-free within the US)                                      | 1-800-474-6836  |
| (Direct)   | 1-208-323-2551  |
| <b>Email:</b>  | hpcustomer.inquiries@hp.com   |

## 2. Hazards identification

|                              |                                   |            |
|------------------------------|-----------------------------------|------------|
| <b>Physical hazards</b>      | Flammable liquids                 | Category 4 |
| <b>Health hazards</b>        | Acute toxicity, oral              | Category 5 |
|                              | Acute toxicity, dermal            | Category 4 |
|                              | Acute toxicity, inhalation        | Category 4 |
|                              | Serious eye damage/eye irritation | Category 1 |
| <b>Environmental hazards</b> | Not classified.                   |            |

### Label elements



|  |  |
|--|--|
| <b>Signal word</b>   | Danger   |
| <b>Hazard statement</b>                                    | Combustible liquid. Harmful in contact with skin. May be harmful if swallowed. Harmful if inhaled. Causes serious eye damage.  |
| <b>Precautionary statement</b>                             |  |
| <b>Prevention</b>  | Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.   |
| <b>Response</b>  | In case of fire: Use sand, carbon dioxide (CO2) or dry chemical to extinguish. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center/doctor if you feel unwell. Take off contaminated clothing and wash it before reuse. |
| <b>Storage</b>   | Keep cool.   |
| <b>Disposal</b>  | Dispose of contents/container in accordance with local/regional/national/international regulations.  |
| <b>Other hazards which do not result in classification</b> | Potential routes of exposure to this product are skin and eye contact, ingestion, and inhalation.  |

### 3. Composition/information on ingredients

#### Mixture

#### Hazardous components

| Chemical name                   | Common name and synonyms | CAS number  | %   |
|---------------------------------|--------------------------|-------------|-----|
| 2-butoxyethyl acetate           |                          | 112-07-2    | <70 |
| 2-methoxy-1-methylethyl acetate |                          | Proprietary | <15 |
| Cyclohexanone                   |                          | 108-94-1    | <10 |

#### Non-hazardous components

| Chemical name                          | Common name and synonyms | CAS number  | %  |
|--|--------------------------|-------------|----|
| Vinyl chloride-vinyl acetate copolymer |                          | Proprietary | <5 |
| Black Pigment                          |                          | Proprietary | <1 |

**Composition comments** Carbon black is present only in a bound form in this preparation.

### 4. First-aid measures

|   |   |
|---|---|
| <b>Inhalation</b>   | Move person to fresh air immediately.<br>If symptoms persist, get immediate medical attention.  |
| <b>Skin contact</b>                                       | In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. Wash clothing separately before reuse.<br>Get medical attention, if needed.                                      |
| <b>Eye contact</b>  | In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.<br>Get medical attention immediately.  |
| <b>Ingestion</b>  | Rinse mouth out with water. If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Never give anything by mouth to an unconscious person.<br>Get medical attention immediately. |
| <b>Most important symptoms/effects, acute and delayed</b> | Not available.  |

### 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Suitable extinguishing media: sand, carbon dioxide (CO <sub>2</sub> ), and dry chemical.  |
| <b>Unsuitable extinguishing media</b>                                | Not available.  |
| <b>Specific hazards arising from the chemical</b>                    | None known.   |
| <b>Special protective equipment and precautions for firefighters</b> | Firefighters should wear full protective clothing including self contained breathing apparatus. Avoid runoff into storm sewers and ditches which lead to waterways. |
| <b>Fire fighting equipment/instructions</b>                          | Move containers from fire area if you can do it without risk.   |

### 6. Accidental release measures

|  |  |
|--|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Avoid contact with skin. Avoid inhalation of vapors or mists.<br>Do not touch or walk through spilled material. Ensure adequate ventilation. Remove all sources of ignition.<br>Use personal protective equipment to minimize exposure to skin and eye. In the case of vapor formation use a respirator with an approved filter. |
| <b>Methods and materials for containment and cleaning up</b>               | Not available.   |
| <b>Environmental precautions</b>   | Do not flush into surface water or sanitary sewer system.  |

### 7. Handling and storage

|   |   |
|---|---|
| <b>Precautions for safe handling</b>                                | Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product.<br>Use with adequate ventilation.<br>Wear personal protective equipment. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and flame.   |

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

| Components                           | Type | Value               | Form                |
|--------------------------------------|------|---------------------|---------------------|
| 2-butoxyethyl acetate (CAS 112-07-2) | TWA  | 20 ppm              |                     |
| Black Pigment                        | TWA  | 3 mg/m <sup>3</sup> | Inhalable fraction. |
| Cyclohexanone (CAS 108-94-1)         | STEL | 50 ppm              |                     |
|                                      | TWA  | 20 ppm              |                     |

#### Bahrain. TLVs. Resolution No. 4 Regarding the Management of Hazardous Chemicals, Exposure Limits for Dangerous and Poisonous Chemicals, Annex. 3

| Components                   | Type | Value                 | Form |
|------------------------------|------|-----------------------|------|
| Black Pigment                | TWA  | 3.5 mg/m <sup>3</sup> |      |
| Cyclohexanone (CAS 108-94-1) | TWA  | 100 mg/m <sup>3</sup> |      |
|                              |      | 25 ppm                |      |

#### Egypt. OELs. Threshold limits of air pollutants in the workplace (Decree No. 388, Annex 8)

| Components    | Type | Value                 | Form        |
|---------------|------|-----------------------|-------------|
| Black Pigment | TWA  | 3.5 mg/m <sup>3</sup> | Total dust. |

#### GCC. TLVs. Exposure Limits for Hazardous Chemical Substances (Common System for the Management of Hazardous Chemicals in the Gulf Cooperation Council for the Arab States of the Gulf, Annex 3)

| Components                   | Type | Value                 | Form |
|------------------------------|------|-----------------------|------|
| Black Pigment                | TWA  | 3.5 mg/m <sup>3</sup> |      |
| Cyclohexanone (CAS 108-94-1) | TWA  | 100 mg/m <sup>3</sup> |      |
|                              |      | 25 ppm                |      |

#### Jordan. Resolution No. 43 (1998) Safety and Protection from Industrial Equipment, Machinery and Workplaces (TLVs List)

| Components                   | Type | Value                 | Form |
|------------------------------|------|-----------------------|------|
| Cyclohexanone (CAS 108-94-1) | TWA  | 100 mg/m <sup>3</sup> |      |
|                              |      | 25 ppm                |      |

#### Kuwait. OELs. Maximum Limits Allowance for Occupational Exposure to Chemical Substances (TVLs) (Decision No. 210/2001 Appendix No. (3-1))

| Components                   | Type | Value                 | Form |
|------------------------------|------|-----------------------|------|
| Cyclohexanone (CAS 108-94-1) | TWA  | 100 mg/m <sup>3</sup> |      |
|                              |      | 25 ppm                |      |

#### UAE. OELs. Maximum Allowable Limits for Air Pollutants in Working Areas [Law to Protect the Air from Pollution, Resolution of the Cabinet of Ministers No. 12 of 2006]

| Components                   | Type | Value                 | Form |
|------------------------------|------|-----------------------|------|
| Black Pigment                | TWA  | 3.5 mg/m <sup>3</sup> |      |
| Cyclohexanone (CAS 108-94-1) | TWA  | 100 mg/m <sup>3</sup> |      |
|                              |      | 25 ppm                |      |

#### UAE. Abu Dhabi. TLVs. Maximum Allowable Limits for Air Pollutants in Working Areas (AD EHSMS RF - Occupational Standards and Guideline Values, Schedule A)

| Components                           | Type | Value                 | Form |
|--------------------------------------|------|-----------------------|------|
| 2-butoxyethyl acetate (CAS 112-07-2) | TWA  | 130 mg/m <sup>3</sup> |      |
|                                      |      | 20 ppm                |      |
| Black Pigment                        | TWA  | 3.5 mg/m <sup>3</sup> |      |
| Cyclohexanone (CAS 108-94-1)         | TWA  | 50 mg/m <sup>3</sup>  |      |
|                                      |      | 20 ppm                |      |

**UAE. Dubai. OELs. Maximum Allowable Limits for Indoor Air Pollutants. Industrial Operation Regulation IO-11.0: Appendix, Tables 2 & 2A**

| Components                                | Type | Value                |
|---|------|----------------------|
| 2-butoxyethyl acetate (CAS 112-07-2)      | STEL | 50 ppm               |
|   | TWA  | 20 ppm               |
| Propylene glycol monomethyl ether acetate | STEL | 548 mg/m3            |
|   | TWA  | 100 ppm<br>274 mg/m3 |
| Black Pigment                             | STEL | 50 ppm<br>7 mg/m3    |
|   | TWA  | 3.5 mg/m3            |
| Cyclohexanone (CAS 108-94-1)              | STEL | 20 ppm               |
|   | TWA  | 10 ppm               |

**Biological limit values**

**ACGIH Biological Exposure Indices**

| Components                   | Value   | Determinant                          | Specimen | Sampling Time |
|------------------------------|---------|--------------------------------------|----------|---------------|
| Cyclohexanone (CAS 108-94-1) | 80 mg/l | 1,2-Cyclohexanediol, with hydrolysis | Urine    | *             |
|                              | 8 mg/l  | Cyclohexanol, with hydrolysis        | Urine    | *             |

\* - For sampling details, please see the source document.

**Exposure guidelines**

**Bahrain TLVs: Skin designation**

Cyclohexanone (CAS 108-94-1) Can be absorbed through the skin.

**Kuwait OEL (Decision No. 210/2001): Skin designation**

Cyclohexanone (CAS 108-94-1) Can be absorbed through the skin.

**UAE - Abu Dhabi TLVs: Skin designation**

Cyclohexanone (CAS 108-94-1) Can be absorbed through the skin.

**UAE - Dubai OELs: Skin designation**

2-butoxyethyl acetate (CAS 112-07-2) Can be absorbed through the skin.

2-methoxy-1-methylethyl acetate (CAS Proprietary) Can be absorbed through the skin.

Cyclohexanone (CAS 108-94-1) Can be absorbed through the skin.

**UAE OELs: Skin designation**

Cyclohexanone (CAS 108-94-1) Can be absorbed through the skin.

**US. ACGIH Threshold Limit Values**

Cyclohexanone (CAS 108-94-1) Can be absorbed through the skin.

**Appropriate engineering controls** Not available.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses; chemical goggles (if splashing is possible).  
Eye wash fountain and emergency showers are recommended.

**Skin protection**

**Hand protection** Wear appropriate chemical resistant gloves.

**Other** Wear appropriate chemical resistant clothing.

**Respiratory protection** Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.

**Thermal hazards** Not available.

**General hygiene considerations** Do not get this material in contact with skin. Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.  
Launder contaminated clothing before reuse.

**9. Physical and chemical properties**

**Appearance**

**Physical state** Not available.

**Form** Liquid.

**Color** Black.

**Odor** Solvent.

**Odor threshold** Not available.

|   |  |
|---|--|
| <b>pH</b>   | 5.8 - 6.2 Metler Toledo pH Meter. Temperature 25°C   |
| <b>Melting point/freezing point</b>                 | Not available.   |
| <b>Initial boiling point and boiling range</b>      | Not available.   |
| <b>Flash point</b>                                  | >= 149.0 °F (>= 65.0 °C) Closed Cup EPA Method 1020  |
| <b>Evaporation rate</b>                             | Not available.   |
| <b>Flammability (solid, gas)</b>                    | Not available.   |
| <b>Upper/lower flammability or explosive limits</b> |  |
| <b>Flammability limit - lower (%)</b>               | Not available.   |
| <b>Flammability limit - upper (%)</b>               | Not available.   |
| <b>Explosive limit - lower (%)</b>                  | Not available.   |
| <b>Explosive limit - upper (%)</b>                  | Not available.   |
| <b>Vapor pressure</b>                               | Not available.   |
| <b>Vapor density</b>                                | Not available.   |
| <b>Solubility(ies)</b>                              |  |
| <b>Solubility (water)</b>                           | Not available.   |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.   |
| <b>Auto-ignition temperature</b>                    | Not available.   |
| <b>Decomposition temperature</b>                    | Not available.   |
| <b>Viscosity</b>                                    | 9.8 - 11 cP Brookfield Viscometer (± 0.5) Temperature 22°C. Spindle # 18 (S18) RPM 100. Wait approx 10 min to take the reading |
| <b>Other information</b>                            |  |
| <b>VOC</b>  | < 916 g/L Calculated   |

## 10. Stability and reactivity

|   |                              |
|---|------------------------------|
| <b>Reactivity</b>                         | Not available.               |
| <b>Chemical stability</b>                 | Stable at normal conditions. |
| <b>Possibility of hazardous reactions</b> | None known.                  |
| <b>Conditions to avoid</b>                | Heat, flames and sparks.     |
| <b>Incompatible materials</b>             | Not available.               |
| <b>Hazardous decomposition products</b>   | Not available.               |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Harmful if inhaled.                          |
| <b>Skin contact</b> | Harmful in contact with skin.                |
| <b>Eye contact</b>  | Causes serious eye damage.                   |
| <b>Ingestion</b>    | Ingestion is not a likely route of exposure. |

**Symptoms related to the physical, chemical and toxicological characteristics** Not available.

### Information on toxicological effects

**Acute toxicity** May be harmful if swallowed. Harmful if inhaled. Harmful in contact with skin.

| <b>Components</b> | <b>Species</b> | <b>Test Results</b> |
|-------------------|----------------|---------------------|
| Black Pigment     |                |                     |
| <b>Acute</b>      |                |                     |
| <b>Oral</b>       |                |                     |
| LD50              | Rat            | > 10000 mg/kg       |

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation** Causes serious eye damage.

## Respiratory or skin sensitization

**Respiratory sensitization** Based on available data, the classification criteria are not met.

**Skin sensitization** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA. Carbon black is present only in a bound form in this preparation.

### IARC Monographs. Overall Evaluation of Carcinogenicity

Black Pigment (CAS Proprietary)

2B Possibly carcinogenic to humans.

Cyclohexanone (CAS 108-94-1)

3 Not classifiable as to carcinogenicity to humans.

### Kuwait OELs (Decision No. 210/): Carcinogen Category

Cyclohexanone (CAS 108-94-1)

A4 Not classifiable as a human carcinogen.

### UAE - Abu Dhabi TLVs: Carcinogen Category

2-butoxyethyl acetate (CAS 112-07-2)

GROUP A3 Confirmed animal carcinogen with unknown relevance to humans.

Black Pigment (CAS Proprietary)

GROUP A4 Not classifiable as a human carcinogen.

Cyclohexanone (CAS 108-94-1)

GROUP A3 Confirmed animal carcinogen with unknown relevance to humans.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**Specific target organ toxicity - single exposure** Based on available data, the classification criteria are not met.

**Specific target organ toxicity - repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

**Further information** Complete toxicity data are not available for this specific formulation.

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## 12. Ecological information

**Ecotoxicity** No ecotoxicity data noted for the ingredient(s).

**Persistence and degradability** Not available.

**Bioaccumulative potential** Not available.

### Partition coefficient n-octanol / water (log Kow)

Cyclohexanone

0.81

**Mobility in soil** Not available.

**Other adverse effects** Not available.

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## 13. Disposal considerations

**Disposal instructions** Do not dispose of together with general office waste.  
Do not allow this material to drain into sewers/water supplies.  
Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.  
Ensure collection and disposal with an appropriately licensed waste contractor.

**Waste from residues / unused products** Not available.

**Contaminated packaging** Not available.

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## 14. Transport information

### DOT

**UN number** NA1993

**UN proper shipping name** Combustible liquid n.o.s. (2-methoxy-1-methylethyl acetate, cyclohexanone) -Not regulated in quantities less than 119 gallons

### Transport hazard class(es)

**Class** Combustible

**Subsidiary risk** -

**Packing group** III

**Special precautions for user** Not available.

**DOT Supplemental Information** DOT Classification only applies to shipments within the US and Puerto Rico.

### IATA

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**ADR**

Not regulated as dangerous goods.

**15. Regulatory information****Safety, health and environmental regulations specific for the product in question**

**Bahrain. Chemicals Subject to the Prior Informed Consent Procedure under the Rotterdam Convention (Law No. 14 of 2012, Annex III)**

Not applicable.

**Bahrain. CWC Chemical Substances (Decree No. 6 of 1997, Schedules 1, 2 and 3; Law No. 51 of 2009)**

Not listed.

**Bahrain. Prohibited Chemicals (Ministry of State for Municipal & Environmental Affairs, Resolution No 7 of 2002, On Control of Importing & Use of Prohibited & Restricted Chemicals, Table 1)**

Not listed.

**Bahrain. Severely Restricted Chemicals (Ministry of State for Municipal & Environmental Affairs, Resolution No 7 of 2002, On Control of Importing & Use of Prohibited & Restricted Chemicals, Table 2)**

Not listed.

**Egypt. Non-Restricted Substances (Unified list of hazardous substances, List C)**

Cyclohexanone (CAS 108-94-1)

**Oman. List of Prohibited Chemical Substances (MD 25/2009. Annex 2)**

Not listed.

**Oman. List of Restricted Chemical Substances (MD 25/2009. Annex 1)**

Not listed.

**Saudi Arabia. Jubail & Yanbu. Hazardous Air Pollutants (Royal Commission for Jubail & Yanbu Environmental Regulations, V.1. 2004, Table 2C)**

Not listed.

**UAE. Abu Dhabi. CWC (Chemicals Weapons Convention) Banned from Entry/Import (Standard Operating Procedures for Permitting of Chemicals and Hazardous Materials)**

Not listed.

**UAE. Abu Dhabi. Narcotic Precursors Banned from Entry/Import (Standard Operating Procedures for Permitting of Chemicals and Hazardous Materials)**

Not listed.

**UAE. Ban on Importing and Circulation of Harmful Pesticides for Health and Environment (Ministerial Decree No. 193)**

Not listed.

**UAE. Dubai. CWC (Chemicals Weapons Convention) Federal Environmental Agency, Code of Practice**

Not listed.

**UAE. Dubai. Illicit Drug Traffic, scheduled substances (UN Convention against illicit traffic in narcotic drugs and psychotropic substances), Ministry of Health, Code of Practice**

Not listed.

**UAE. Dubai. Prohibited and restricted imports. Ministry of Environmental and Water, Code of Practice**

Not listed.

**International regulations**

All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

**Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Montreal Protocol**

Not applicable.

**Kyoto protocol**

Not applicable.

**Basel Convention**

Not applicable.

**16. Other information, including date of preparation or last revision**

|                      |             |
|----------------------|-------------|
| <b>Issue date</b>    | 07-Apr-2018 |
| <b>Revision date</b> | 13-Dec-2019 |
| <b>Version #</b>     | 03          |

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**Revision information**

Identification: Important information  
Hazards identification: Other hazards which do not result in classification  
Composition / Information on Ingredients: Ingredients  
Composition/information on ingredients: Composition comments  
Physical & Chemical Properties: Multiple Properties  
Toxicological information: Carcinogenicity  
HazReg Data: Europe - EU

**Explanation of abbreviations**

|               |   |
|---------------|---|
| <b>ACGIH</b>  | American Conference of Governmental Industrial Hygienists           |
| <b>CAS</b>    | Chemical Abstracts Service  |
| <b>CERCLA</b> | Comprehensive Environmental Response Compensation and Liability Act |
| <b>CFR</b>    | Code of Federal Regulations   |
| <b>COC</b>    | Cleveland Open Cup  |
| <b>DOT</b>    | Department of Transportation  |
| <b>EPCRA</b>  | Emergency Planning and Community Right-to-Know Act (aka SARA)       |
| <b>IARC</b>   | International Agency for Research on Cancer                         |
| <b>NIOSH</b>  | National Institute for Occupational Safety and Health               |
| <b>NTP</b>    | National Toxicology Program   |
| <b>OSHA</b>   | Occupational Safety and Health Administration                       |
| <b>PEL</b>    | Permissible Exposure Limit  |
| <b>RCRA</b>   | Resource Conservation and Recovery Act                              |
| <b>REC</b>    | Recommended   |
| <b>REL</b>    | Recommended Exposure Limit  |
| <b>SARA</b>   | Superfund Amendments and Reauthorization Act of 1986                |
| <b>STEL</b>   | Short-Term Exposure Limit   |
| <b>TCLP</b>   | Toxicity Characteristics Leaching Procedure                         |
| <b>TLV</b>    | Threshold Limit Value   |
| <b>TSCA</b>   | Toxic Substances Control Act  |
| <b>VOC</b>    | Volatile Organic Compounds  |