1. Identification

Product identifier: CN990 Series
Other means of identification:
- Synonyms: HP Scitex TJ100 Flash Light Cyan Ink

Recommended use: Inkjet printing.
Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information:
HP Inc.
1501 Page Mill Road
Palo Alto, CA 94304-1112
United States

Telephone: 650-857-5020

HP Inc. health effects line:
(Toll-free within the US) 1-800-457-4209
(Direct) 1-760-710-0048

HP Inc. Customer Care Line:
(Toll-free within the US) 1-800-474-6836
(Direct) 1-208-323-2551
Email: hpcustomer.inquiries@hp.com

2. Hazard(s) identification

Physical hazards: Flammable liquids - Category 4
Health hazards:
- Acute toxicity, dermal - Category 4
- Acute toxicity, inhalation - Category 4
- Serious eye damage/eye irritation - Category 1

Environmental hazards: Not classified.
OSHA defined hazards: Not classified.

Label elements

Signal word: Danger
Hazard statement: Combustible liquid. Harmful in contact with skin. Harmful if inhaled. Causes serious eye damage.
Precautionary statement:
Prevention: 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.
Response: 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.
Storage: Store in a well-ventilated place. Keep cool.
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.
### 3. Composition/information on ingredients

**Mixtures**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethyl acetate</td>
<td></td>
<td>112-07-2</td>
<td>&lt;80</td>
</tr>
<tr>
<td>2-methoxy-1-methylethylacetate</td>
<td></td>
<td>Proprietary</td>
<td>&lt;15</td>
</tr>
<tr>
<td>Cyclohexanone</td>
<td></td>
<td>108-94-1</td>
<td>&lt;7.5</td>
</tr>
<tr>
<td>Vinyl chloride-vinyl acetate copolymer*</td>
<td></td>
<td>Proprietary*</td>
<td>&lt;7.5</td>
</tr>
<tr>
<td>Methyl Methacrylate</td>
<td></td>
<td>80-62-6</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

### 4. First-aid measures

**Inhalation**
Move person to fresh air immediately. If symptoms persist, get immediate medical attention.

**Skin contact**
In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. Wash clothing separately before reuse. Get medical attention, if needed.

**Eye contact**
In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately.

**Ingestion**
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. Get medical attention immediately.

Most important symptoms/effects, acute and delayed
Not available.

### 5. Fire-fighting measures

**Suitable extinguishing media**
Suitable extinguishing media: sand, carbon dioxide (CO2), and dry chemical.

**Unsuitable extinguishing media**
Not available.

**Specific hazards arising from the chemical**
None known.

**Special protective equipment and precautions for firefighters**
Firefighters should wear full protective clothing including self contained breathing apparatus. Avoid runoff into storm sewers and ditches which lead to waterways.

**Fire fighting equipment/instructions**
Move containers from fire area if you can do it without risk.

### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**
Avoid contact with skin. Avoid inhalation of vapors or mists. Do not touch or walk through spilled material. Ensure adequate ventilation. Remove all sources of ignition. Use personal protective equipment to minimize exposure to skin and eye. In the case of vapor formation use a respirator with an approved filter.

**Methods and materials for containment and cleaning up**
Not available.

**Environmental precautions**
Do not flush into surface water or sanitary sewer system.

### 7. Handling and storage

**Precautions for safe handling**
Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Wear personal protective equipment.

**Conditions for safe storage, including any incompatibilities**
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. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyclohexanone (CAS 108-94-1)</td>
<td>PEL</td>
<td>200 mg/m³</td>
</tr>
<tr>
<td>Methyl Methacrylate (CAS 80-62-6)</td>
<td>PEL</td>
<td>50 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>410 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100 ppm</td>
</tr>
</tbody>
</table>

**US. ACGIH Threshold Limit Values**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethyl acetate (CAS 112-07-2)</td>
<td>TWA</td>
<td>20 ppm</td>
</tr>
<tr>
<td>Cyclohexanone (CAS 108-94-1)</td>
<td>STEL</td>
<td>50 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>20 ppm</td>
</tr>
<tr>
<td>Methyl Methacrylate (CAS 80-62-6)</td>
<td>STEL</td>
<td>100 ppm</td>
</tr>
</tbody>
</table>

**US. NIOSH: Pocket Guide to Chemical Hazards>

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethyl acetate (CAS 112-07-2)</td>
<td>TWA</td>
<td>33 mg/m³</td>
</tr>
<tr>
<td>Cyclohexanone (CAS 108-94-1)</td>
<td>TWA</td>
<td>5 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>100 mg/m³</td>
</tr>
<tr>
<td>Methyl Methacrylate (CAS 80-62-6)</td>
<td>TWA</td>
<td>25 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>410 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>100 ppm</td>
</tr>
</tbody>
</table>

**US. Workplace Environmental Exposure Level (WEEL) Guides**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-methoxy-1-methylethylacetate</td>
<td>TWA</td>
<td>50 ppm</td>
</tr>
</tbody>
</table>

#### Biological limit values

**ACGIH Biological Exposure Indices**

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
<th>Determinant</th>
<th>Specimen</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyclohexanone (CAS 108-94-1)</td>
<td>80 mg/l</td>
<td>1,2-Cyclohexanediol, with hydrolysis</td>
<td>Urine</td>
<td>*</td>
</tr>
<tr>
<td></td>
<td>8 mg/l</td>
<td>Cyclohexanol, with hydrolysis</td>
<td>Urine</td>
<td>*</td>
</tr>
</tbody>
</table>

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

#### Exposure guidelines

**US. ACGIH Threshold Limit Values**

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

**US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants**

- CYCLOHEXANONE (CAS 108-94-1) Can be absorbed through the skin.
- PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE (CAS Proprietary) Can be absorbed through the skin.

**US. Minnesota Hazardous Substances List (Minn. Rules 5206.0400).**

- Cyclohexanone (CAS 108-94-1) Skin designation applies.

**US. NIOSH: Pocket Guide to Chemical Hazards**

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

**US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A**

- Cyclohexanone (CAS 108-94-1) Can be absorbed through the skin.
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**: Recommended gloves: Nitrile 6 mil minimum thickness.
  - **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**: Light Cyan
- **Odor**: Solvent.
- **Odor threshold**: Not available.

**pH**
- 5.8 - 6.2 Metler Toledo pH Meter

**Melting point/freezing point**: Not available.

**Initial boiling point and boiling range**: Not available.

**Flash point**: >= 149.0 °F (>= 65.0 °C) Closed Cup EPA Method 1020

**Evaporation rate**: Not available.

**Flammability (solid, gas)**
- **Flammability limit - lower (%)**: Not available.
- **Flammability limit - upper (%)**: Not available.
- **Explosive limit - lower (%)**: Not available.
- **Explosive limit - upper (%)**: Not available.

**Vapor pressure**: Not available.

**Vapor density**: Not available.

**Solubility(ies)**
- **Solubility (water)**: Not available.
- **Partition coefficient (n-octanol/water)**: Not available.

**Auto-ignition temperature**: Not available.

**Decomposition temperature**: Not available.

**Viscosity**
- 11 - 12 cP Brookfield Viscometer T 22C Spindle #18 (S18) RPM 100

**Other information**
- For other VOC regulatory data/information see Section 15.
- **VOC**: < 916 g/L Calculated

### 10. Stability and reactivity

- **Reactivity**: Not available.
- **Chemical stability**: Stable at normal conditions.
- ** Possibility of hazardous reactions**: None known.
- **Conditions to avoid**: Heat, flames and sparks.
11. Toxicological information

Information on likely routes of exposure

- **Inhalation**
  Harmful if inhaled.

- **Skin contact**
  Harmful in contact with skin.

- **Eye contact**
  Causes serious eye damage.

- **Ingestion**
  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**
  Harmful if inhaled. Harmful in contact with skin.

- **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

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

  - METHYL METHACRYLATE (CAS 80-62-6)  Dermal sensitization
  - Cyclohexanone (CAS 108-94-1)  Respiratory sensitization
  - Methyl Methacrylate (CAS 80-62-6)  Skin sensitization
  - Vinyl chloride-vinyl acetate copolymer (CAS Proprietary)  Germ cell mutagenicity

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

  - IARC Monographs. Overall Evaluation of Carcinogenicity
    - Cyclohexanone (CAS 108-94-1)  3 Not classifiable as to carcinogenicity to humans.
    - Methyl Methacrylate (CAS 80-62-6)  3 Not classifiable as to carcinogenicity to humans.
    - Vinyl chloride-vinyl acetate copolymer (CAS Proprietary)  3 Not classifiable as to carcinogenicity to humans.

    - Not regulated.

  - US. National Toxicology Program (NTP) Report on Carcinogens
    - Not listed.

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

  - Specific target organ toxicity - single exposure
  - Specific target organ toxicity - repeated exposure
  - Aspiration hazard
  - Further information

Further information

Complete toxicity data are not available for this specific formulation.

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
  - Methyl Methacrylate: 1.38

Mobility in soil

Not available.

Other adverse effects

Not available.
### 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.

### 14. Transport information

**DOT**

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
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<tbody>
<tr>
<td>UN number</td>
<td>NA1993</td>
</tr>
<tr>
<td>UN proper shipping name</td>
<td>Combustible liquid n.o.s. (2-methoxy-1-methylethyl acetate, cyclohexanone) - Not regulated in quantities less than 119 gallons</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>Combustible</td>
</tr>
<tr>
<td>Class</td>
<td>-</td>
</tr>
<tr>
<td>Subsidiary risk</td>
<td>-</td>
</tr>
<tr>
<td>Packing group</td>
<td>III</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

**DOT Supplemental Information**

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

**IATA**

<table>
<thead>
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<th>Field</th>
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<tbody>
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<tr>
<td>UN proper shipping name</td>
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</tr>
<tr>
<td>Transport hazard class(es)</td>
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<tr>
<td>Class</td>
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<tr>
<td>Subsidiary risk</td>
<td>-</td>
</tr>
<tr>
<td>Packing group</td>
<td>Not available.</td>
</tr>
<tr>
<td>Environmental hazards</td>
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</tr>
<tr>
<td>Special precautions for user</td>
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</table>

**IMDG**

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</thead>
<tbody>
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</tr>
<tr>
<td>UN proper shipping name</td>
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<tr>
<td>Transport hazard class(es)</td>
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</tr>
<tr>
<td>Class</td>
<td>Not available.</td>
</tr>
<tr>
<td>Subsidiary risk</td>
<td>-</td>
</tr>
<tr>
<td>Packing group</td>
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<tr>
<td>Marine pollutant</td>
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<tr>
<td>EmS</td>
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<tr>
<td>Special precautions for user</td>
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</table>

**ADR**

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
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</thead>
<tbody>
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<td>Not available.</td>
</tr>
<tr>
<td>UN proper shipping name</td>
<td>Not Regulated</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Class</td>
<td>Not available.</td>
</tr>
<tr>
<td>Subsidiary risk</td>
<td>-</td>
</tr>
<tr>
<td>Hazard No. (ADR)</td>
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</tr>
<tr>
<td>Tunnel restriction code</td>
<td>Not available.</td>
</tr>
<tr>
<td>Packing group</td>
<td>Not available.</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>No</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

**Further information**

Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: Not applicable.

### 15. Regulatory information

**US federal regulations**

US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

- Cyclohexanone (CAS 108-94-1) Listed.
- Methyl Methacrylate (CAS 80-62-6) Listed.
SARA 304 Emergency release notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

<table>
<thead>
<tr>
<th>Hazard categories</th>
<th>Immediate Hazard</th>
<th>Delayed Hazard</th>
<th>Fire Hazard</th>
<th>Pressure Hazard</th>
<th>Reactivity Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

SARA 302 Extremely hazardous substance
Not regulated.

SARA 311/312 Hazardous chemical
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Methyl Methacrylate (CAS 80-62-6)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA)
Not regulated.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace
Cyclohexanone (CAS 108-94-1) Low priority
Methyl Methacrylate (CAS 80-62-6) Low priority

US state regulations
California Proposition 65 - WARNING: This product can expose you to chemicals including Ethyl Benzene, which is known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))
Methyl Methacrylate (CAS 80-62-6)

Other information
VOC content (less water, less exempt compounds) = < 916 g/L (U.S. requirement, not for emissions) VOC data based on formulation (Organic compounds minus solids)

Regulatory information
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.

16. Other information, including date of preparation or last revision
Issue date
28-Apr-2015
Revision date
27-Mar-2019
Version #
08
Other information
This SDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).

Disclaimer
This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.

This safety data sheet is meant to convey information about HP inks (toners) provided in HP Original ink (toner) supplies. If our Safety Data Sheet has been provided to you with a refilled, remanufactured, compatible or other non-HP Original supply please be aware that the information contained herein was not meant to convey information about such products and there could be considerable differences from information in this document and the safety information for the product you purchased. Please contact the seller of the refilled, remanufactured or compatible supplies for applicable information, including information on personal protective equipment, exposure risks and safe handling guidance. HP does not accept refilled, remanufactured or compatible supplies in our recycling programs.
### Physical & Chemical Properties: Multiple Properties

14. Transport Information: Material Transportation Information
   Transport information: Further information
   Regulatory information: US state regulations

### Explanation of abbreviations

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