



# SAFETY DATA SHEET

## 1. Identification of the chemical and information about the manufacturer or supplier

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### 1.1 Identification of the chemical products

**1.1.1 Technical name** CH832 Series

### Other means of identification

**Synonyms** HP Scitex TJ210 Yellow Ink

### 1.1.2 Recommended use of the chemical and restrictions on use

**Recommended use** Inkjet printing

**Limitations on use** None known.

### 1.2 Manufacturer/Importer/Supplier/Distributor information

#### 1.2.1 Manufacturer

ZAO Hewlett-Packard A.O.  
Highway Leningradskoe, House 16A, Building 3,  
125171, Moscow

**Telephone** 7 495 797-3500

#### 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](mailto:hpcustomer.inquiries@hp.com)

## 2. Hazard(s) identification

### 2.1. Hazard identification of chemical product as a whole (classification according to GOST 12.1.007-76 and GHS)

**Classification according to GOST 12.1.007-76** Not available.

#### GHS classification

|                              |  |             |
|------------------------------|--|-------------|
| <b>Physical hazards</b>      | Flammable liquids                                      | Category 4  |
| <b>Health hazards</b>        | Acute toxicity, oral                                   | Category 5  |
|                              | Skin corrosion/irritation                              | Category 2  |
|                              | Serious eye damage/eye irritation                      | Category 2A |
|                              | Reproductive toxicity                                  | Category 1B |
|                              | Specific target organ toxicity, repeated exposure      | Category 1  |
| <b>Environmental hazards</b> | Hazardous to the aquatic environment, long-term hazard | Category 2  |

### 2.2 Labeling elements in compliance with GOST 31340-2013

**2.2.1 Signal word** Danger



#### 2.2.3 Hazard statement

|      |                                |
|------|--------------------------------|
| H227 | Combustible liquid.            |
| H303 | May be harmful if swallowed.   |
| H315 | Causes skin irritation.        |
| H319 | Causes serious eye irritation. |

H317 May cause an allergic skin reaction.  
H360FD May damage fertility. May damage the unborn child.  
H372 Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure.  
H411 Toxic to aquatic life with long lasting effects.

## Precautionary statement

### Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P270 Do not eat, drink or smoke when using this product.  
P264 Wash hands thoroughly after handling.  
P273 Avoid release to the environment.

### Response

P370 + P378 In case of fire: Use sand, carbon dioxide (CO<sub>2</sub>) or dry chemical to extinguish.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
P308 + P313 IF exposed or concerned: Get medical attention/advice.  
P314 Get medical attention/advice if you feel unwell.  
P391 Collect spillage.  
P362 Take off contaminated clothing and wash before reuse.

### Storage

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

### Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### Other hazards

Potential routes of exposure to this product are skin and eye contact, ingestion, and inhalation.

GHS Supplemental information None.

## 3. Composition/information on ingredients

### 3.1 Information on product as a whole

**3.1.1 Chemical name (IUPAC)** CH832 Series

**3.1.2 Chemical formula** (C<sub>3</sub>H<sub>6</sub>O)<sub>n</sub>(C<sub>3</sub>H<sub>6</sub>O)<sub>n</sub>C<sub>11</sub>H<sub>16</sub>O<sub>4</sub> (84170-74-1), (C<sub>3</sub>H<sub>6</sub>O)<sub>n</sub>(C<sub>3</sub>H<sub>6</sub>O)<sub>n</sub>C<sub>11</sub>H<sub>16</sub>O<sub>4</sub> (84170-74-1), C<sub>8</sub>H<sub>13</sub>NO (2235-00-9), C<sub>8</sub>H<sub>13</sub>NO (2235-00-9), C<sub>13</sub>-H<sub>24</sub>-O<sub>2</sub> (1330-61-6), C<sub>13</sub>-H<sub>24</sub>-O<sub>2</sub> (1330-61-6), C<sub>8</sub>H<sub>12</sub>O<sub>3</sub> (2399-48-6), C<sub>8</sub>H<sub>12</sub>O<sub>3</sub> (2399-48-6), C<sub>11</sub>H<sub>12</sub>O<sub>3</sub> (48145-04-6), C<sub>11</sub>H<sub>12</sub>O<sub>3</sub> (48145-04-6), C<sub>15</sub>H<sub>21</sub>NO<sub>2</sub>S (71868-10-5), C<sub>15</sub>H<sub>21</sub>NO<sub>2</sub>S (71868-10-5), C<sub>16</sub>H<sub>14</sub>OS (5495-84-1), C<sub>16</sub>H<sub>14</sub>OS (5495-84-1), C<sub>22</sub>H<sub>21</sub>O<sub>2</sub>P (75980-60-8), C<sub>22</sub>H<sub>21</sub>O<sub>2</sub>P (75980-60-8), (C<sub>3</sub>H<sub>6</sub>O)<sub>n</sub>(C<sub>3</sub>H<sub>6</sub>O)<sub>n</sub>(C<sub>3</sub>H<sub>6</sub>O)<sub>n</sub>C<sub>12</sub>H<sub>14</sub>O<sub>6</sub> (52408-84-1), (C<sub>3</sub>H<sub>6</sub>O)<sub>n</sub>(C<sub>3</sub>H<sub>6</sub>O)<sub>n</sub>(C<sub>3</sub>H<sub>6</sub>O)<sub>n</sub>C<sub>12</sub>H<sub>14</sub>O<sub>6</sub> (52408-84-1)

**3.1.3 General description of the composition (taking into account the brand assortment; preparation method)** Not applicable.

### 3.2 Components

| Components   | Concentration by weight (%) | Hygienic standards in the working area |                         | CAS-No.    | EC No.    |
|--|-----------------------------|--|-------------------------|------------|-----------|
|  |                             | MAC, mg/m <sup>3</sup>                 | TSEL, mg/m <sup>3</sup> |            |           |
| Neopentylglycol, propoxylated esters with acrylic acid | <25                         |  |                         | 84170-74-1 | -         |
| 1-vinylhexahydro-2H-azepin-2-one                       | <20                         |  |                         | 2235-00-9  | 218-787-6 |
| Isodecyl acrylate                                      | <15                         |  |                         | 1330-61-6  | 215-542-5 |
| Tetrahydrofurfuryl acrylate                            | <15                         |  |                         | 2399-48-6  | 219-268-7 |

| Components   | Hygienic standards in the working area |                        |                         | CAS-No.    | EC No.    |
|--|--|------------------------|-------------------------|------------|-----------|
|  | Concentration by weight (%)            | MAC, mg/m <sup>3</sup> | TSEL, mg/m <sup>3</sup> |            |           |
| 2-phenoxyethyl acrylate                                  | <7.5                                   |                        |                         | 48145-04-6 | 256-360-6 |
| 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one | <5                                     |                        |                         | 71868-10-5 | 400-600-6 |
| 2-isopropyl-9H-thioxanthen-9-one                         | <2.5                                   |                        |                         | 5495-84-1  | 226-827-9 |
| Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide        | <2.5                                   |                        |                         | 75980-60-8 | 278-355-8 |
| Glycerol, propoxylated, esters with acrylic acid         | <1                                     |                        |                         | 52408-84-1 | 500-114-5 |

## 4. First-aid measures

### 4.1. Observed symptoms

- 4.1.1 In case of exposure via inhalation** Inhalation may result in mild irritation to the respiratory system.
- 4.1.2 In contact with skin** Causes skin irritation. May cause sensitization by skin contact.
- 4.1.3 In contact with eyes** Causes serious eye irritation.
- 4.1.4 In case of exposure via ingestion** May be harmful if swallowed.

### 4.2 First-aid measures to be provided to victims

- 4.2.1 In case of exposure via inhalation** If dust from the material is inhaled, remove the affected person immediately to fresh air.  
Move to fresh air in case of accidental inhalation of vapors or decomposition products. If breathing is difficult, give oxygen. Oxygen or artificial respiration if needed. Consult a physician for specific advice.
- 4.2.2 In contact with skin** Wash the skin immediately with soap and water. In case of contact with molten product, cool rapidly with water and seek immediate medical attention. Do not attempt to remove molten product from skin because skin will tear easily.
- 4.2.3 In contact with eyes** 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.
- 4.2.4 In case of exposure via ingestion** If swallowed, do NOT induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.
- 4.2.5 Contraindications** Not available.

### General advice

Risk of skin burn caused by hot melt.  
Do not leave the victim unattended.  
Remove victim immediately from source of exposure.  
Victim to lie down in the recovery position, cover and keep him warm.

## 5. Fire-fighting and explosion safety measures and means

- 5.1 General characteristics of fire-explosion properties** Not available.
- 5.2 Fire-explosion indicators** Not available.
- 5.3 Combustion and/or thermal destruction products and hazards arising from these** Not available.
- 5.4 Recommended extinguishing media** Dry powder. Carbon dioxide (CO<sub>2</sub>). Water may be ineffective.
- 5.5 Forbidden extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.
- 5.6 Special protective equipment for firefighters** Avoid runoff into storm sewers and ditches which lead to waterways.
- 5.7 Specific extinguishing methods** Not available.
- Special fire fighting procedures** Avoid runoff into storm sewers and ditches which lead to waterways.

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## 6. Accident and emergency prevention and response measures and their consequences

### 6.1 Measures to prevent harmful effects on people, environment, buildings, constructions, etc. in case of accidents and emergencies

**6.1.1 General required actions in case of an accident or emergency** Wear appropriate personal protective equipment. Do not touch or walk through spilled material.

**6.1.2 Personal protection equipment in case of the accident** Not available.

### 6.2 Procedures for the elimination of accidents and emergencies

**6.2.1 Procedures in case of leaks, spills, splashes** Soak up with inert absorbent material. Dispose of in compliance with federal, state, and local regulations.

**6.2.2 Actions in case of fire** Not available.

**Environmental precautions** Do not let product enter drains. Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.

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## 7. Storage and handling requirements of chemicals during loading and unloading

### 7.1 Safety precautions when handling chemical products

**7.1.1 Technical safety measures** Not available.

**7.1.2 Environmental protection measures** Not available.

**7.1.3 Recommended safe handling and transportation advice** Avoid contact with skin, eyes and clothing.

### 7.2 Chemical storage requirements

**7.2.1 Terms and conditions for safe storage** Not available.

**7.2.2 Packaging** Not available.

**7.3 Safety measures and storage requirements at domestic use** Do not handle or store near an open flame, heat or other sources of ignition. Keep away from excessive heat or cold. Do not store in direct sunlight.

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## 8. Equipment for monitoring exposure and personal protective equipment

**8.1 Parameters of the working area that require monitoring** No exposure limits noted for ingredient(s).

**8.2 Measures to ensure the content of harmful substances in the working area below the exposure level concentration** Exposure limits have not been established for this product.

### 8.3 Worker personal protective equipment

**8.3.1 General recommendations** Not available.

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

#### 8.3.3 Protective equipment

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

**Hand protection** Wear appropriate chemical resistant gloves. Recommended gloves: Nitrile 6 mil minimum thickness.

**Other** Wear appropriate chemical resistant gloves.  
Wear appropriate chemical resistant clothing.

**Thermal hazards** Not available.

**8.3.4 Personal protection equipment in case of domestic use** Not applicable.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice. Do not get this material in your eyes, on your skin, or on your clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Launder contaminated clothing before reuse. Keep away from food and drink.

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## 9. Physical and chemical properties

### 9.1 Physical appearance

|  |  |
|--|--|
| <b>Physical state</b>  | Liquid.  |
| <b>Form</b>  | Liquid.  |
| <b>Color</b>   | Yellow   |
| <b>Odor</b>  | Characteristic.  |
| <b>Odor threshold</b>  | Not available.   |
| <b>9.2 Parameters characterizing basic properties of the product</b> |  |
| <b>pH</b>  | 6.8 - 7.2 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>   | 230.0 °F (110.0 °C) Closed Cup EPA Method 1020   |
| <b>Auto-ignition temperature</b>                                     | Not available.   |
| <b>Decomposition temperature</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>Vapor pressure</b>  | Not available.   |
| <b>Viscosity</b>   | 13.5 - 14.5 cP Brookfield Viscometer (± 0.5) Temperature 40°C. Spindle # 18 (S18) RPM 100. Wait approx 10 min to take the reading. |
| <b>Solubility(ies)</b>   |  |
| <b>Solubility (water)</b>  | Not available.   |
| <b>Partition coefficient (n-octanol/water)</b>                       | Not available.   |
| <b>Other data</b>  |  |
| <b>VOC</b>   | 3.7 g/L Method 24/ASTM D403-93   |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>10.1 Chemical stability</b>            | Stable under normal storage conditions.   |
| <b>Hazardous decomposition products</b>   | Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |
| <b>10.2 Reactivity</b>                    | Not available.  |
| <b>10.3 Conditions to avoid</b>           | Exposure to sunlight.   |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization can occur with decreased inhibitor content.  |
| <b>Incompatible materials</b>             | Incompatible with strong bases and oxidizing agents. alkaline metals  |

## 11. Toxicological information

|   |   |
|---|---|
| <b>11.1 General exposure characteristics</b>  | Not available.  |
| <b>11.2 Routes of exposure</b>  | Not available.  |
| <b>11.3 Affected/target organs, tissues and systems of humans</b>   |   |
| <b>Specific target organ toxicity - single exposure</b>   | May cause irritation to the respiratory system.   |
| <b>Specific target organ toxicity - repeated exposure</b>   | Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure. |
| <b>11.4 Information on health hazards in case of direct exposure to the product and its effect</b>  |   |
| <b>Effect on upper respiratory tract irritation</b>   | Not available.  |
| <b>Respiratory or skin sensitization</b>  |   |
| <b>Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones, as amended.</b> |   |
| Not listed.   |   |
| <b>Respiratory sensitization</b>  | Based on available data, the classification criteria are not met.                           |
| <b>Skin sensitization</b>   | May cause sensitization by skin contact.  |
| <b>Skin corrosion/irritation</b>  | Causes skin irritation.   |

|  |   |
|--|---|
| <b>Serious eye damage/eye irritation</b> | Causes serious eye irritation.                                    |
| <b>Aspiration hazard</b>                 | Based on available data, the classification criteria are not met. |

#### 11.5 Information on long-term hazardous health effects

|                              |   |
|------------------------------|---|
| <b>Carcinogenicity</b>       | Based on available data, the classification criteria are not met. |
| <b>Reproductive toxicity</b> | May damage fertility. May damage the unborn child.                |
| <b>Mutagenicity</b>          | Based on available data, the classification criteria are not met. |
| <b>Cumulativeness</b>        | Not available.  |
| <b>Chronic effects</b>       | Not available.  |

**11.6 Acute toxicity data** May be harmful if swallowed. May be harmful in contact with skin.

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

## 12. Environmental impact information

**Aquatic toxicity** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. This product has not been tested for ecological effects.

**12.1 General description of the impact on the environment** Not available.

**12.2 Routes of exposure to environment** Not available.

### 12.3 The most important characteristics of the environmental impact

|   |   |
|---|---|
| <b>12.3.1 Hygienic standards</b>  | Not available.                                  |
| <b>12.3.2 Ecotoxicity</b>   | No ecotoxicity data noted for the ingredient(s) |
| <b>12.3.3 Biomigration and transformation of the environment due to the biodegradation or other processes</b> |   |
| <b>Persistence and degradability</b>  | Not available.                                  |
| <b>Bioaccumulative potential</b>  | Not available.                                  |
| <b>Mobility in soil</b>   | Not available.                                  |

**Other adverse effects** Not available.

## 13. Recommendations for waste (residues) disposal

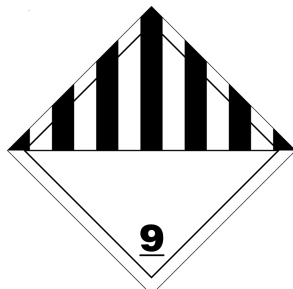
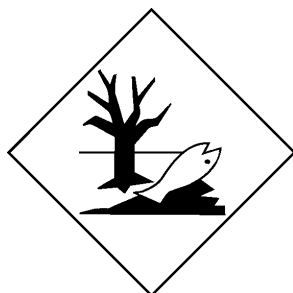
**13.1 Safety precautions when handling the waste generated during use, storage, transportation** Do not dispose of together with general office waste.  
Do not allow this material to drain into sewers/water supplies.  
Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.  
Ensure collection and disposal with an appropriately licensed waste contractor.

**13.2 Information on the location and disposal methods, recycling or disposal of product waste, including packaging** Not available.

**13.3 Recommendation on the waste disposal generated during its domestic use** Not available.

## 14. Transport information

|                                     |   |
|-------------------------------------|---|
| <b>DOT</b>                          |   |
| <b>UN number</b>                    | UN3082  |
| <b>UN proper shipping name</b>      | Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates, Propiophenone derivative), MARINE POLLUTANT |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | 9   |
| <b>Subsidiary risk</b>              | -   |
| <b>Packing group</b>                | III   |
| <b>Environmental hazards</b>        |   |
| <b>Marine pollutant</b>             | Yes   |
| <b>Special precautions for user</b> | Not available.  |
| <b>DOT Supplemental Information</b> | DOT Classification only applies to shipments within the US and Puerto Rico.                                 |
| <b>IATA</b>                         |   |
| <b>UN number</b>                    | UN3082  |
| <b>UN proper shipping name</b>      | Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates, Propiophenone derivative)                   |

**Transport hazard class(es)****Class** 9**Subsidiary risk** -**Packing group** III**Environmental hazards** Yes**Special precautions for user** Not available.**IATA Supplemental Information** When shipping ≤ 5L inner packaging, Special Provision A197 may apply.**IMDG****UN number** UN3082**UN proper shipping name** Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates, Propiophenone derivative), MARINE POLLUTANT**Transport hazard class(es)****Class** 9**Subsidiary risk** -**Packing group** III**Transport hazard class(es)****Marine pollutant** Yes**EmS** F-A, S-F**Special precautions for user** Not available.**IMDG Supplemental Information** When shipping ≤ 5L containers, IMDG 2.10.2.7 may apply.**ADR****UN number** UN3082**UN proper shipping name** Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates, Propiophenone derivative)**Transport hazard class(es)****Class** 9**Subsidiary risk** -**Hazard No. (ADR)** Not available.**Tunnel restriction code** Not available.**Packing group** III**Environmental hazards** Yes**Special precautions for user** Not available.**ADR; DOT; IATA; IMDG****Marine pollutant**

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**15. National and international regulatory information****15.1 National legislation****15.1.1 Laws of the Russian Federation** Not available.**15.1.2 Information about the documentation, regulatory requirements for the protection of human health and environment****Sanitary-Epidemiological Rules, 1.2.2353-08, Chemical substances, mixtures and products which are carcinogenic factors, 21 April 2008**

Not listed.

**Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones, as amended.**

Not listed.

**15.2 International Conventions and Agreements** 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.

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**16. Other information**

**16.1 Information on revision of the SDS**

**Issue date** 11-Sep-2013

**Revision date** 14-Mar-2020

**Version #** 10

**Previous SDS number** Not applicable.

**Revision information** This document has undergone significant changes and should be reviewed in its entirety.

**16.2 List of references used in compiling the safety data sheet** Not available.

**Disclaimer**

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## 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  |