



# SAFETY DATA SHEET BISPHENOL A REVISION 3, DATE 28 MAY 2021

## 1. IDENTIFICATION

<b>Product Name</b>	<b>Bisphenol A</b>
<b>Other Names</b>	2,2-Bis(4-hydroxyphenyl)propane; 4,4'-(1-Methylethylidene)bis[phenol]; 4,4'-isopropylidenediphenol
<b>Uses</b>	Intermediate in the manufacture of epoxy resins and polycarbonates.
<b>Chemical Family</b>	No Data Available
<b>Chemical Formula</b>	C <sub>15</sub> H <sub>16</sub> O <sub>2</sub>
<b>Chemical Name</b>	Phenol, 4,4'-(1-methylethylidene)bis-
<b>Product Description</b>	No Data Available

### Contact Details of the Supplier of this Safety Data Sheet

Organisation	Location	Telephone
Redox Ltd	2 Swettenham Road Minto NSW 2566 Australia	+61-2-97333000
Redox Ltd	11 Mayo Road Wiri Auckland 2104 New Zealand	+64-9-2506222
Redox Inc.	3960 Paramount Boulevard Suite 107 Lakewood CA 90712 USA	+1-424-675-3200
Redox Chemicals Sdn Bhd	Suite 13A.03, Menara Summit Persiaran Kewajipan USJ1 47600 UEP Subang Jaya Selangor, Malaysia	+60-3-5614-2111

### Emergency Contact Details

*For emergencies only; DO NOT contact these companies for general product advice.*

Organisation	Location	Telephone
Poisons Information Centre	Australia – Westmead NSW	1800-251525 131126
Chemcall	Australia	1800-127406 +64-4-9179888
Chemcall	Malaysia	+64-4-9179888
National Poison Centre	Malaysia	+60-4-6536-999
Chemcall	New Zealand	0800-243622 +64-4-9179888
National Poisons Centre	New Zealand	0800-764766
CHEMTREC	USA & Canada	1-800-424-9300 CN723420 +1-703-527-3887

## 2. HAZARD IDENTIFICATION

**Poisons Schedule (Aust)**

Not Scheduled



## Globally Harmonised System

**Hazard Classification** Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

**Hazard Categories**

Acute Toxicity (Oral) - Category 5  
 Acute Toxicity (Dermal) - Category 5  
 Serious Eye Damage/Irritation - Category 1  
 Sensitisation (Skin) - Category 1  
 Specific Target Organ Toxicity (Single Exposure) - Category 3  
 Toxic To Reproduction - Category 2  
 Acute Hazard To The Aquatic Environment - Category 2

**Pictograms**

**Signal Word** Danger

<b>Hazard Statements</b>		<b>H303 + H313</b>	May be harmful if swallowed or in contact with skin.
		<b>H317</b>	May cause an allergic skin reaction.
		<b>H318</b>	Causes serious eye damage.
		<b>H335</b>	May cause respiratory irritation.
		<b>H361f</b>	Suspected of damaging fertility.
		<b>H401</b>	Toxic to aquatic life.
<b>Precautionary Statements</b>	Prevention	<b>P280</b>	Wear protective gloves/eye protection/face protection.
		<b>P261</b>	Avoid breathing dust/fumes.
		<b>P201</b>	Obtain special instructions before use.
		<b>P272</b>	Contaminated work clothing should not be allowed out of the workplace.
		<b>P273</b>	Avoid release to the environment.
		<b>P271</b>	Use only outdoors or in a well-ventilated area.
	Response	<b>P302 + P352</b>	IF ON SKIN: Wash with plenty of water/...
		<b>P333 + P313</b>	If skin irritation or rash occurs: Get medical advice/attention.
		<b>P363</b>	Wash contaminated clothing before reuse.
		<b>P308 + P313</b>	IF exposed or concerned: Get medical advice/ attention.
		<b>P304 + P340</b>	IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
		<b>P305 + P351 + P338 + P310</b>	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 CENTRE/doctor.
	Storage	<b>P312</b>	Call a POISON CENTER or doctor if you feel unwell.
		<b>P403 + P233</b>	Store in a well-ventilated place. Keep container tightly closed.
	Disposal	<b>P405</b>	Store locked up.
		<b>P501</b>	Dispose of contents/container in accordance with local / regional / national / international regulations.

**National Transport Commission (Australia)**

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

**Dangerous Goods Classification**

NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

**Environmental Protection Authority (New Zealand)**

Hazardous Substances and New Organisms Amendment Act 2015

**HSNO Classifications**

Health Hazards **6.5B**

Substances that are contact sensitisers

**6.8B**

Substances that are suspected human reproductive or developmental toxicants

**8.3A**

Substances that are corrosive to ocular tissue

Environmental Hazards **9.1A**

Substances that are very ecotoxic in the aquatic environment

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Ingredients**

Chemical Entity	Formula	CAS Number	Proportion
Bisphenol A	C15H16O2	80-05-7	>99.8 %
Water	H2O	7732-18-5	<0.2 %

**4. FIRST AID MEASURES****Description of necessary measures according to routes of exposure****Swallowed**

IF SWALLOWED: Rinse mouth, then drink a glass of water. Do NOT induce vomiting. Call a Poison Centre or doctor/physician for advice.

**Eye**

IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a Poison Centre or doctor/physician for advice. Transport promptly to hospital or medical centre. Do NOT delay - Can cause corneal burns!

**Skin**

IF ON SKIN: Remove and isolate contaminated clothing and shoes. Immediately flush skin with running water for at least 15 minutes (using soap, if available). If skin irritation or rash occurs, get medical advice/attention. Wash contaminated clothing and shoes before reuse.

**Inhaled**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Remove contaminated clothing and loosen remaining clothing. Call a Poison Centre or doctor/physician for advice. Give artificial respiration if victim is not breathing. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult.

**Advice to Doctor**

If exposed or concerned, get medical advice/attention. Treat symptomatically. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

**Medical Conditions Aggravated by Exposure**

May cause an allergic skin reaction. Dermatitis may result from prolonged or repeated exposure.

**5. FIRE FIGHTING MEASURES****General Measures**

If safe to do so, remove containers from path of fire. Keep containers cool with water spray. Dike fire-control water for later disposal.

**Flammability Conditions**

Combustible solid; Will burn but does not ignite readily.

<b>Extinguishing Media</b>	Use fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder). Do not scatter spilled material with high-pressure water streams.
<b>Fire and Explosion Hazard</b>	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
<b>Hazardous Products of Combustion</b>	On burning will emit toxic fumes, including those of oxides of Carbon.
<b>Special Fire Fighting Instructions</b>	Contain runoff from fire control or dilution water - Runoff may pollute waterways.
<b>Personal Protective Equipment</b>	Firefighters to wear positive pressure self-contained breathing apparatus (SCBA) and suitable protective clothing if risk of exposure to vapour or products of combustion.
<b>Flash Point</b>	227 °C [Closed cup]
<b>Lower Explosion Limit</b>	No Data Available
<b>Upper Explosion Limit</b>	No Data Available
<b>Auto Ignition Temperature</b>	No Data Available
<b>Hazchem Code</b>	No Data Available

## 6. ACCIDENTAL RELEASE MEASURES

<b>General Response Procedure</b>	Ensure adequate ventilation. ELIMINATE all ignition sources (if dust clouds can occur). Do not touch or walk through spilled material. Avoid raising dust. Do not breathe dust. Avoid contact with eyes, skin and clothing.
<b>Clean Up Procedures</b>	Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers for recovery or safe disposal (see SECTION 13).
<b>Containment</b>	Stop leak if you can do it without risk. Prevent dust cloud. Cover powder spill with plastic sheet or tarp to minimise spreading.
<b>Decontamination</b>	No information available.
<b>Environmental Precautionary Measures</b>	Prevent entry into drains and waterways. If contamination of sewers or waterways has occurred advise local emergency services.
<b>Evacuation Criteria</b>	Spill or leak area should be isolated immediately. Keep unauthorised/unprotected personnel away.
<b>Personal Precautionary Measures</b>	Wear protective equipment to avoid skin and eye contact and breathing in dust (see SECTION 8).

## 7. HANDLING AND STORAGE

<b>Handling</b>	Safety showers and eyewash fountains should be provided within the immediate work area for emergency use. Ensure adequate ventilation - Use only outdoors or in a well-ventilated area. Obtain special instructions before use. - Do not handle until all safety precautions have been read and understood. Avoid dust generating and accumulation. Do not breathe dust. Avoid contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8). Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding or inert atmospheres. Take precautionary measures against static discharges. Avoid release to the environment.
<b>Storage</b>	Store in a cool, dry, well ventilated place, out of direct sunlight. Keep container tightly closed when not in use - check regularly for spills. Use nitrogen blanketing or tank air/desiccant dryers. Keep away from heat and sources of ignition - No smoking. Keep away from incompatible materials (see SECTION 10). Store locked up. *Storage temperature: ≤50 °C
<b>Container</b>	Keep in the original container.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>General</b>	No specific exposure standards are available for this product. For dusts from solid substances without specific
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occupational exposure standards:

- Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m<sup>3</sup> (measured as inhalable dust).
- New Zealand WES (Particulates not otherwise classified): TWA = 10 mg/m<sup>3</sup>; TWA = 3 mg/m<sup>3</sup> (respirable dust).

<b>Exposure Limits</b>	No Data Available
<b>Biological Limits</b>	No information available.
<b>Engineering Measures</b>	Ensure ventilation is adequate to maintain air concentrations below Workplace Exposure Standards. A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Use explosion-proof electrical/ventilating/lighting equipment.
<b>Personal Protection Equipment</b>	Respiratory protection: In case of inadequate ventilation, wear respiratory protection. Recommended: Dust mask/respirator (refer to AS/NZS 1715 & 1716). Eye/face protection: Wear appropriate eye protection to prevent eye contact. Recommended: Dust-tight chemical goggles. Hand protection: Handle with gloves. Recommended: Gauntlet type PVC gloves. Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Disposable, one-piece, uncoated overalls; chemical-resistant safety shoes or boots.
<b>Special Hazards Precautions</b>	If skin sensitization has developed and a causal relationship has been confirmed, further exposure should not be allowed.
<b>Work Hygienic Practices</b>	Handle in accordance with good industrial hygiene and safety practice. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Solid
<b>Appearance</b>	Prill
<b>Odour</b>	Mild phenolic
<b>Colour</b>	White
<b>pH</b>	No Data Available
<b>Vapour Pressure</b>	5.2 mmHg (@ 220 °C)
<b>Relative Vapour Density</b>	7.9 Air = 1
<b>Boiling Point</b>	220 °C (5 hPa)
<b>Melting Point</b>	156 - 157 °C
<b>Freezing Point</b>	No Data Available
<b>Solubility</b>	Soluble in acetone, alcohols
<b>Specific Gravity</b>	No Data Available
<b>Flash Point</b>	227 °C [Closed cup]
<b>Auto Ignition Temp</b>	No Data Available
<b>Evaporation Rate</b>	No Data Available
<b>Bulk Density</b>	No Data Available
<b>Corrosion Rate</b>	No Data Available
<b>Decomposition Temperature</b>	No Data Available
<b>Density</b>	1.195 (Water = 1)
<b>Specific Heat</b>	No Data Available
<b>Molecular Weight</b>	No Data Available
<b>Net Propellant Weight</b>	No Data Available
<b>Octanol Water Coefficient</b>	log Pow = 3.32
<b>Particle Size</b>	No Data Available
<b>Partition Coefficient</b>	No Data Available
<b>Saturated Vapour Concentration</b>	No Data Available

<b>Vapour Temperature</b>	No Data Available
<b>Viscosity</b>	No Data Available
<b>Volatile Percent</b>	No Data Available
<b>VOC Volume</b>	No Data Available
<b>Additional Characteristics</b>	No information available.
<b>Potential for Dust Explosion</b>	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
<b>Fast or Intensely Burning Characteristics</b>	No information available.
<b>Flame Propagation or Burning Rate of Solid Materials</b>	No information available.
<b>Non-Flammables That Could Contribute Unusual Hazards to a Fire</b>	No information available.
<b>Properties That May Initiate or Contribute to Fire Intensity</b>	Combustible solid; Will burn but does not ignite readily.
<b>Reactions That Release Gases or Vapours</b>	On burning will emit toxic fumes, including those of oxides of Carbon.
<b>Release of Invisible Flammable Vapours and Gases</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>General Information</b>	Dust explosion hazard.
<b>Chemical Stability</b>	The material is stable under normal conditions.
<b>Conditions to Avoid</b>	Avoid dust generation. Avoid exposure to heat and sources of ignition.
<b>Materials to Avoid</b>	Incompatible/reactive with oxidising agents, strong acids, strong bases, acid chlorides, acid anhydrides, combustible materials.
<b>Hazardous Decomposition Products</b>	None expected under normal use conditions. On burning will emit toxic fumes, including those of oxides of Carbon.
<b>Hazardous Polymerisation</b>	Hazardous polymerisation will not occur.

## 11. TOXICOLOGICAL INFORMATION

<b>General Information</b>	<ul style="list-style-type: none"> <li>- Acute toxicity: May be harmful if swallowed or in contact with skin. Swallowing may result in irritation of the gastrointestinal tract.</li> <li>- Skin corrosion/irritation: May cause skin irritation.</li> <li>- Eye damage/irritation: Causes serious eye damage. Contamination of eyes can result in permanent injury.</li> <li>- Respiratory/skin sensitisation: May cause an allergic skin reaction. Dermatitis may result from prolonged or repeated exposure.</li> <li>- Germ cell mutagenicity: Not considered to have mutagenic or genotoxic potential.</li> <li>- Carcinogenicity: Not considered to have carcinogenic potential.</li> <li>- Reproductive toxicity: Suspected of damaging fertility.</li> <li>- STOT (single exposure): May cause respiratory irritation. Material is irritant to the mucous membranes of the respiratory tract (airways).</li> <li>- STOT (repeated exposure): Possible systemic long-term effects (liver and kidney).</li> <li>- Aspiration toxicity: No information available.</li> </ul>
<b>Acute</b>	
<b>Ingestion</b>	Acute toxicity (Oral): - LD50: >2,000 mg/kg

Carcinogen Category                      None

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Aquatic toxicity: - LC50, Fish (Pimephales promelas): 8 mg/L (96 h).
<b>Persistence/Degradability</b>	This product is readily biodegradable.
<b>Mobility</b>	No information available.
<b>Environmental Fate</b>	Toxic to aquatic life - Avoid contaminating waterways.
<b>Bioaccumulation Potential</b>	Does not bioaccumulate.
<b>Environmental Impact</b>	No Data Available

## 13. DISPOSAL CONSIDERATIONS

<b>General Information</b>	Dispose of contents/container in accordance with local/regional/national regulations. Refer to local government authority for disposal recommendations.
<b>Special Precautions for Land Fill</b>	No information available.

## 14. TRANSPORT INFORMATION

### Land Transport (Australia)

ADG Code

<b>Proper Shipping Name</b>	Bisphenol A
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available
<b>Comments</b>	NON-DANGEROUS GOODS: Not regulated for LAND transport.

### Land Transport (Malaysia)

ADR Code

<b>Proper Shipping Name</b>	Bisphenol A
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available

## SAFETY DATA SHEET BISPHENOL A REVISION 3, DATE 28 MAY 2021

Special Provision	No Data Available
Comments	NON-DANGEROUS GOODS: Not regulated for LAND transport.

### Land Transport (New Zealand)

NZS5433

Proper Shipping Name	Bisphenol A
Class	No Data Available
Subsidiary Risk(s)	No Data Available
	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
Comments	NON-DANGEROUS GOODS: Not regulated for LAND transport.

### Land Transport (United States of America)

US DOT

Proper Shipping Name	Bisphenol A
Class	No Data Available
Subsidiary Risk(s)	No Data Available
	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
Comments	NON-DANGEROUS GOODS: Not regulated for LAND transport.

### Sea Transport

IMDG Code

Proper Shipping Name	Bisphenol A
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
EMS	No Data Available
Marine Pollutant	No
Comments	NON-DANGEROUS GOODS: Not regulated for SEA transport.

### Air Transport

IATA DGR

Proper Shipping Name	Bisphenol A
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available



**Special Provision**

No Data Available

**Comments**

NON-DANGEROUS GOODS: Not regulated for AIR transport.

**National Transport Commission (Australia)**

Australian Code for the Transport of Dangerous Goods by Road &amp; Rail (ADG Code)

**Dangerous Goods Classification**

NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road &amp; Rail (ADG Code)

**15. REGULATORY INFORMATION****General Information**

No Data Available

**Poisons Schedule (Aust)**

Not Scheduled

**Environmental Protection Authority (New Zealand)**

Hazardous Substances and New Organisms Amendment Act 2015

**Approval Code**HSR002503  
HSR003399 (Revoked)**National/Regional Inventories****Australia (AIIIC)**

Listed

**Canada (DSL)**

Not Determined

**Canada (NDSL)**

Not Determined

**China (IECSC)**

Not Determined

**Europe (EINECS)**

Not Determined

**Europe (REACH)**

Not Determined

**Japan (ENCS/METI)**

Not Determined

**Korea (KECI)**

Not Determined

**Malaysia (List of Classified Substances)**

Not Determined

**New Zealand (NZIoC)**

Listed

**Philippines (PICCS)**

Not Determined

**Taiwan (TCSI)**

Not Determined

**USA (TSCA)**

Not Determined

**Mexico (INSQ)**

Not Determined

**16. OTHER INFORMATION**

<b>Related Product Codes</b>	BISPHE1000, BISPHE1001, BISPHE1002, BISPHE1003, BISPHE1004, BISPHE1005, BISPHE1006, BISPHE1007, BISPHE1008, BISPHE1009, BISPHE1600, BISPHE1601, BISPHE2000, BISPHE2001, BISPHE2200, BISPHE2300, BISPHE2400, BISPHE2500, BISPHE2600, BISPHE3000, BISPHE3001, BISPHE3002, BISPHE3003, BISPHE3100, BISPHE3101, BISPHE3300, BISPHE3400, BISPHE3600, BISPHE4000, BISPHE4001, BISPHE4100, BISPHE4101, BISPHE5000, BISPHE6700, BISPHE6701, BISPHE6702, BISPHE6703, BISPHE6704, BISPHE6705, BISPHE6800, BISPHE7000, BISPHE8000, BISPHE8001, BISPHE9000
<b>Revision</b>	3
<b>Revision Date</b>	28 May 2021
<b>Key/Legend</b>	<p>&lt; Less Than &gt; Greater Than  <b>AICS</b> Australian Inventory of Chemical Substances  <b>atm</b> Atmosphere  <b>CAS</b> Chemical Abstracts Service (Registry Number)  <b>cm<sup>2</sup></b> Square Centimetres  <b>CO<sub>2</sub></b> Carbon Dioxide  <b>COD</b> Chemical Oxygen Demand  <b>deg C (°C)</b> Degrees Celcius  <b>EPA (New Zealand)</b> Environmental Protection Authority of New Zealand  <b>deg F (°F)</b> Degrees Farenheit  <b>g</b> Grams  <b>g/cm<sup>3</sup></b> Grams per Cubic Centimetre  <b>g/l</b> Grams per Litre  <b>HSNO</b> Hazardous Substance and New Organism  <b>IDLH</b> Immediately Dangerous to Life and Health  <b>immiscible</b> Liquids are insoluable in each other.  <b>inHg</b> Inch of Mercury  <b>inH<sub>2</sub>O</b> Inch of Water  <b>K</b> Kelvin  <b>kg</b> Kilogram  <b>kg/m<sup>3</sup></b> Kilograms per Cubic Metre  <b>lb</b> Pound  <b>LC<sub>50</sub></b> LC stands for lethal concentration. LC<sub>50</sub> is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.  <b>LD<sub>50</sub></b> LD stands for Lethal Dose. LD<sub>50</sub> is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.  <b>ltr or L</b> Litre  <b>m<sup>3</sup></b> Cubic Metre  <b>mbar</b> Millibar  <b>mg</b> Milligram  <b>mg/24H</b> Milligrams per 24 Hours  <b>mg/kg</b> Milligrams per Kilogram  <b>mg/m<sup>3</sup></b> Milligrams per Cubic Metre  <b>Misc or Miscible</b> Liquids form one homogeneous liquid phase regardless of the amount of either component present.  <b>mm</b> Millimetre  <b>mmH<sub>2</sub>O</b> Millimetres of Water  <b>mPa.s</b> Millipascals per Second  <b>N/A</b> Not Applicable  <b>NIOSH</b> National Institute for Occupational Safety and Health  <b>NOHSC</b> National Occupational Heath and Safety Commission  <b>OECD</b> Organisation for Economic Co-operation and Development  <b>Oz</b> Ounce  <b>PEL</b> Permissible Exposure Limit  <b>Pa</b> Pascal  <b>ppb</b> Parts per Billion  <b>ppm</b> Parts per Million  <b>ppm/2h</b> Parts per Million per 2 Hours  <b>ppm/6h</b> Parts per Million per 6 Hours  <b>psi</b> Pounds per Square Inch  <b>R</b> Rankine  <b>RCP</b> Reciprocal Calculation Procedure  <b>STEL</b> Short Term Exposure Limit  <b>TLV</b> Threshold Limit Value  <b>tne</b> Tonne</p>

**TWA** Time Weighted Average  
**ug/24H** Micrograms per 24 Hours  
**UN** United Nations  
**wt** Weight