

# SAFETY DATA SHEET

**24-hr Emergency Phone Number**  
800-255-3924 (Chem-Tel)

## SECTION 1 - IDENTIFICATION

Product Identifier(s) 1702  
 Product Name Gun Blue  
 Other Means of Identification None  
 Identified Uses of the Product Professional Do-It-Yourself Gun Blue  
 Restrictions on Use No restrictions identified

Revision No. 3  
 Revision Date June 7, 2013  
 Print Date June 7, 2013

MANUFACTURER DETAILS		DISTRIBUTOR DETAILS	
Company Name	Tri-Pac Inc	Company Name	Bushnell
Address	17336 M-60 East Vandalia MI 49095	Address	9200 Cody Overland Park KC 66214
Phone Number	269-476-2303	Phone Number	800-423-3537
Fax Number	269-476-2302	Fax Number	913-752-3570

## SECTION 2 - HAZARDS IDENTIFICATION

GHS/CLP (1272/2008) Classification of the Substance or Mixture

HEALTH HAZARDS									
Acute Tox. Oral	<input type="text" value="4"/>	Skin Irritation	<input type="text" value="1A"/>	Skin Sensitization	<input type="text"/>	Tox. To Reproduction	<input type="text"/>	STOT SE	<input type="text" value="3"/>
Acute Tox. Skin	<input type="text"/>	Eye Irritation	<input type="text" value="2A"/>	Mutagenicity	<input type="text"/>	Aspiration Hazard	<input type="text"/>	STOT RE	<input type="text"/>
Acute Tox. Inhalation	<input type="text" value="3"/>	Resp. Sensitization	<input type="text"/>	Carcinogenicity	<input type="text"/>				

PHYSICAL HAZARDS									
Unstable Explosive	<input type="text"/>	Oxidizing Gas	<input type="text"/>	Flammable Solid	<input type="text"/>	Pyrophoric Solid	<input type="text"/>	Oxidizing Solid	<input type="text"/>
Explosive	<input type="text"/>	Gas Under Pressure	<input type="text"/>	Self-Reactive Substance	<input type="text"/>	Emits Flammable Gas	<input type="text"/>	Organic Peroxide	<input type="text"/>
Flammable Gas	<input type="text"/>	Refrigerated Liq. Gas	<input type="text"/>	Pyrophoric Liquid	<input type="text"/>	Oxidizing Liquid	<input type="text"/>	Corrosive to Metal	<input type="text"/>
Aerosol	<input type="text"/>	Flammable Liquid	<input type="text"/>	Self-Heating Substance	<input type="text"/>				

ENVIRONMENTAL HAZARDS									
Aquatic Acute	<input type="text" value="1"/>	Aquatic Chronic	<input type="text" value="1"/>	Ozone Depleting	<input type="text"/>				

GHS/CLP (1272/2008) Label Elements

Hazard Pictograms



Signal Word

DANGER

Hazard Statements

Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye irritation. Toxic if inhaled. Very toxic to aquatic life with long lasting effects.

Precautionary Statements

General

Keep out of reach of children.

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<b>Prevention</b>	<i>Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. Do not eat, drink or smoke when using this product. Keep container tightly closed. Do not breath fumes. Wash hands thoroughly after handling. Avoid release to the environment. Use only outdoors or in a well-ventilated area. Wear protective gloves and clothing.</i>
<b>Response</b>	<i>IF SWALLOWED: Immediately call a poison center or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN: Remove contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Seek medical attention immediately.</i>
<b>Storage</b>	<i>Store in a well-ventilated place. Keep container tightly closed. Store locked up.</i>
<b>Disposal</b>	<i>Dispose of container and contents in an environmentally safe manner.</i>

## Other Hazards Which Do Not Result In Classification

**Hazards** *Not Applicable*

## Other Classifications

**HMIS III Classification** *Health: 2\* Flammability: 0 Physical Hazard: 0*  
**NFPA Classification** *Health: 2 Flammability: 0 Reactivity: 0 Special Hazard: None*

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

ID	INGREDIENT	CAS NUMBER	EINECS	INDEX NUMBER	% WT
1	Water	0007732-18-5	231-791-2		
2	Selenium Dioxide	0007446-08-4	231-194-7		1 - 5
3	Sulfuric Acid Copper Salt	0007758-98-7	231-847-6	029-004-0-0	1 - 5
4	Hydrochloric Acid	0007647-01-0	231-595-7	017-002-00-2	0.5 - 1.5

## SECTION 4 - FIRST-AID MEASURES

### Description of First-Aid Measures

<b>Eye Contact</b>	<i>Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Seek medical attention immediately.</i>
<b>Skin Contact</b>	<i>Remove with soap and water, rinsing and repeating for 15 minutes. Remove contaminated clothing.</i>
<b>Ingestion</b>	<i>Immediately call a poison center or physician. Rinse mouth. Do NOT induce vomiting.</i>
<b>Inhalation</b>	<i>Remove victim to fresh air and keep at rest in a position comfortable for breathing.</i>
<b>First-Aid Responder Protection</b>	<i>Wear adequate personal protective equipment based on the nature and severity of the emergency.</i>

### Most Important Symptoms and Effects, Both Acute and Delayed

<b>Eye Contact</b>	<i>Liquid contact may damage the eyes, causing pain along with severe eye irritation.</i>
<b>Skin Contact</b>	<i>Causes skin irritation and burns. Repeated exposure may cause skin dryness or cracking.</i>
<b>Ingestion</b>	<i>May be fatal if swallowed and enters airways.</i>
<b>Inhalation</b>	<i>May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.</i>

### Indication of Immediate Medical Attention and Special Treatment

<b>Notes to Physician</b>	<i>Treat symptomatically.</i>
<b>Specific Treatments/Antidotes</b>	<i>Details on specific treatments and/or antidotes are not available.</i>
<b>Immediate Medical Attention</b>	<i>No information available.</i>

## SECTION 5 - FIRE FIGHTING MEASURES

### Suitable Extinguishing Media

<b>Extinguishing Media</b>	<i>Non-flammable. Use extinguishing media suitable for surrounding material.</i>
<b>Unsuitable Media</b>	<i>Not applicable</i>

### Specific Hazards Arising from the Chemical or Mixture

<b>Decomposition Products</b>	<i>Decomposition products may include oxides of carbon and/or selenium as well as smoke, and/or vapors. May react with metals or heat to release flammable hydrogen gas.</i>
<b>Hazards from the Product</b>	<i>In a fire or if heated, a pressure increase may occur which may result in the container bursting.</i>
<b>Mechanical Impact Sensitivity</b>	<i>Probably not sensitive as material is stable.</i>
<b>Static Discharge Sensitivity</b>	<i>Probably not sensitive to static discharge.</i>

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## Special Protection Actions for Fire-Fighters

**Protective Actions** Use water spray to cool fire exposed containers, as contents may rupture from heat developed pressure.  
**Protective Equipment** Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

**For Non-Emergency Personnel** No action shall be taken involving any personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove ignition sources and provide adequate ventilation only if it is safe to do so.  
**For Emergency Responders** Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel above.

### Environmental Precautions

**Precautions** Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

### Methods and Materials for Containment and Cleaning up

**Containment Procedures** Released content may be contained with acid/base absorbent pads, booms, and/or absorbents.  
**Cleanup Procedures** Avoid breathing vapors and ventilate the area well. Soak up material with inert absorbent and place in safety containers for proper disposal.  
**Other Information** The North American Emergency Response Guidebook, the Australian Dangerous Goods-Initial Emergency Response Guide (SAA/SNZ HB 76), or similar resources providing emergency response information for dealing with accidents, spills, leaks, and/or fires involving dangerous goods.  
**Prohibited Materials** Combustible absorbent material such as sawdust, use of equipment that may cause sparking.

## SECTION 7 - HANDLING AND STORAGE

### Precautions for Safe Handling

**General Handling Precautions** KEEP OUT OF THE REACH OF CHILDREN. When diluting, always add this material to water; never add water to a material containing an acid.  
**Hygiene Recommendations** Do not eat, drink or smoke when using this product. Wash hands thoroughly after use. Remove contaminated clothing and protective equipment before entering eating or smoking areas.

### Conditions for Safe Storage Including And Incompatibilities

**Storage Requirements** Store in a cool, dry, ventilated storage area. Protect from physical damage. Keep out of direct sunlight and away from incompatible materials.  
**Incompatibilities** Segregate storage away from materials indicated in Section 10.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control Parameters

#### Occupational Exposure Limits

ID	AUSTRALIA TWA	ALBERTA OEL	CANADA			GERMANY MAK	JAPAN OEL	MEXICO MPEL-PTA	UNITED KINGDOM WEL	OSHA PEL	UNITED STATES		
			BC TWA	ONTARIO TWA EV	QUEBEC TWA						NIOSH REL	NIOSH IDLH	ACGIH TLV
2	0.1 ppm	0.2 ppm	0.1 ppm	0.2 ppm	0.2 ppm		0.1 ppm		0.1 ppm	0.2 mg/m <sup>3</sup>			
3													
4	5 ppm	5 ppm	2 ppm	2 ppm	2 ppm	5 ppm	5 ppm	5 ppm	1 ppm	5 ppm	5 ppm	50 ppm	2 ppm

#### Biological Exposure Indices

ID	DETERMINANT	SAMPLING TIME	BEI	NOTATION
	None established			

### Appropriate Engineering Controls

**Engineering Measures** Use only with adequate ventilation. General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest OEL from the table above.

### Individual Protection Measures

**Hygiene Considerations** Avoid breathing vapors and contact with the skin and eyes. Always replace overcap when not in use. Keep out the reach of children. Wash hands after use.  
**Thermal Hazards** This product does not present a thermal hazard.

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<b>Respiratory Protection</b>	<i>An approved respirator with an acid vapor cartridge may be permissible under certain circumstances where airborne concentrations are expected to exceed occupational exposure limits. If respirators are needed, in the United States compliance with OSHA standard 29 CFR 1910.134 is necessary.</i>
<b>Skin Protection</b>	<i>For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.</i>
<b>Eye/Face Protection</b>	<i>Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with this material could occur, chemical splash proof goggles are recommended.</i>
<b>Other Protective Equipment</b>	<i>Safety showers and eye-wash stations should be available in the workplace near where the material will be used.</i>

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Boiling Point</b>	<i>&gt; 83.0 °C (181.4 °F)</i>	<b>Melting / Freezing Point</b>	<i>&gt; -46.2 °C (-51.2 °F)</i>
<b>Flash Point</b>	<i>None</i>	<b>Decomposition Temperature</b>	<i>Not Available</i>
<b>Explosive Limits</b>	<i>None</i>	<b>Autoignition Temperature</b>	<i>Not Applicable</i>
<b>Flammability</b>	<i>Nonflammable</i>	<b>Relative Density (H2O = 1)</b>	<i>1.029 g/cc</i>
<b>Molecular Weight</b>	<i>Not Available</i>	<b>Weight</b>	<i>6.572 lbs/gal</i>
<b>Vapor Pressure</b>	<i>18.270 mm Hg</i>	<b>pH</b>	<i>2</i>
<b>Vapor Density</b>	<i>1.270 g/cc Maximum</i>	<b>Evaporation Rate (nBAC = 1)</b>	<i>Not Available</i>
<b>Physical State</b>	<i>Liquid</i>	<b>Partition Coefficient</b>	<i>Not Available</i>
<b>Viscosity</b>	<i>Not Available</i>	<b>Refractive Index</b>	<i>Not Available</i>
<b>Odor / Odor Threshold</b>	<i>Pungent</i>	<b>Heat of Combustion</b>	<i>Not Available</i>
<b>Appearance / Color</b>	<i>Clear blue</i>	<b>Water Solubility</b>	<i>Not Available</i>
<b>Percent Volatile</b>	<i>96% Wt (97% Vol) Max</i>	<b>VOC Content</b>	<i>None</i>
<b>Percent VOC</b>	<i>None</i>	<b>HAP Content</b>	<i>None</i>
<b>Solids/Non Volatile Content</b>	<i>4% Wt (3% Vol) Max</i>	<b>Maximum Incremental Reactivity</b>	<i>None</i>

## SECTION 10 - STABILITY AND REACTIVITY

<b>Reactivity</b>	<i>No specific test data related to reactivity is available for this product or its ingredients.</i>
<b>Chemical Stability</b>	<i>This product is stable.</i>
<b>Hazardous Reactions</b>	<i>Under normal conditions of storage and use, hazardous reactions are not expected to occur.</i>
<b>Conditions to Avoid</b>	<i>Keep away from heat, sparks, flame, and red hot metal.</i>
<b>Material Incompatibility</b>	<i>Aldehydes, bases, fluorine, formaldehyde, perchloric and permonosulfuric acids, potassium permanganate, strong oxidizing agents, sulfuric acid.</i>
<b>Decomposition Products</b>	<i>When heated to decomposition, emits toxic hydrogen chloride fumes and will react with water or steam to produce heat and toxic and corrosive fumes. Thermal oxidative decomposition produces toxic chlorine fumes and explosive hydrogen gas.</i>

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Acute Toxicity

ID	ORAL LD50		DERMAL LD50		INHALATION LC50		
	VALUE	SPECIES	VALUE	SPECIES	VALUE	TIME	SPECIES
1	89840 mg/kg	rat					
2	68.1 mg/kg	rat	4 mg/kg	rabbit			
3	300 mg/kg	rat	1000 mg/kg	rabbit			
4	900 mg/kg	rabbit	1449 mg/kg	mouse	3124 ppm	1h	rat

<b>Skin Corrosion/Irritation</b>	<i>Hydrochloric Acid causes severe skin burns. Sulfuric Acid Copper Salt causes skin irritation.</i>
<b>Eye Damage/Irritation</b>	<i>Sulfuric Acid Copper Salt causes serious eye irritation.</i>
<b>Respiratory Irritation</b>	<i>None of the ingredients are known to cause respiratory irritation.</i>
<b>Respiratory or Skin Sensitization</b>	<i>None of the ingredients are known to cause respiratory irritation.</i>
<b>Germ Cell Mutagenicity</b>	<i>None of the ingredients are known or suspected of causing genetic defects.</i>
<b>Carcinogen Data</b>	<i>None of the ingredients are known or suspected carcinogens.</i>
<b>Reproductive Toxicity</b>	<i>None of the ingredients are known to cause reproductive harm.</i>
<b>STOT-Single Exposure</b>	<i>None of the ingredients are known to cause specific target organ effects from a single exposure.</i>

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**STOT-Repeated Exposure** *None of the ingredients are known to cause specific target organ effects through prolonged or repeated exposure.*  
**Aspiration Hazard** *None of the ingredients are known to be an aspiration hazard.*

## Information on the Likely Routes of Exposure

**Routes of Exposure** *Skin contact, absorption, eye contact, inhalation, ingestion.*

## Symptoms Related to the Physical, Chemical and Toxicological Characteristics

**Symptoms of Exposure** *Burning sensation, dermatitis, eye irritation, skin irritation, throat irritation.*

## Delayed and Immediate Effects and Also Chronic Effects from Short and Long Term Exposure

**Delayed Effects** *No known delayed effects.*

**Immediate Effects** *No known immediate effects.*

**Chronic Effects** *Not available.*

**Medical Conditions Aggravated** *May aggravate personnel with pre-existing disorders associated with any of the Target Organs.*

**Target Organs** *Cardiovascular system, eyes, respiratory system, skin.*

## Interactive Effects

**Synergistic Effects** *No known synergistic effects.*

## SECTION 12 - ECOLOGICAL INFORMATION

### Ecotoxicity

ID	TYPE	FISH			INVERTEBRATES			AQUATIC PLANTS			MICROORGANISMS		
		VALUE	PERIOD	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD	
2	LC50	2.9 mg/L	96h				EC50	0.1 mg/L	3d				
3	LC50	0.75 mg/L	96h										
4	LC50	272 mg/L	96h	EC50	56 mg/L	72h							

### Ecological Data

ID	PERSISTENCE AND DEGRADABILITY			BIOACCUMULATIVE POTENTIAL			MOBILITY
	PERSISTENCE	BOD	COD	ThOD	Pow / Kow	BCF	
2					-77 log Pow		
4					0.3 log Pow		

## SECTION 13 - DISPOSAL CONSIDERATIONS

**Waste Disposal** *Hazard characteristics and regulatory waste stream classification can change with product use and location. It is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste material must be disposed of in compliance with the respective national, federal, state, and/or local regulations.*

**Waste Disposal of Packaging** *Consult with your local landfill to determine if empty small containers can be disposed of with regular trash. For disposal of large containers (typically 10 gallon or larger), or for containers not suitable for landfill, a licensed reconditioner should be used.*

**Landfill Precautions** *Not Available*

**Incineration Precautions** *Not Available*

## SECTION 14 - TRANSPORTATION INFORMATION

	DOT	ICAO/IATA	IMDG	ADR	TDG
<b>ID Number</b>	UN1789	UN1789	UN1789	UN1789	UN1789
<b>Proper Shipping Name</b>	Hydrochloric Acid Solution, Limited Quantity	Hydrochloric Acid Solution, Limited Quantity	Hydrochloric Acid Solution, Limited Quantity	Hydrochloric Acid Solution, Limited Quantity	Hydrochloric Acid Solution, Limited Quantity
<b>Hazard Class(es)</b>	8	8	8	8	8
<b>Packing Group</b>	III	III	III	III	III
<b>Environmental Hazards</b>	No	No	No	No	No
<b>Special Precautions</b>	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

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Hazard Labels					
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## SECTION 15 - REGULATORY INFORMATION

### United States - Federal Regulations

ID	TSCA LISTED	SARA 302 EHS TPQ	RCRA	CERCLA	SARA 313	FIRE	REACTIVITY	SARA 311/312 ACUTE	CHRONIC	PRESSURE	CLEAN AIR ACT HAP	CLEAN AIR ACT SOCMCI	CLEAN WATER ACT
1	✓												
2	✓		U204	10									
3	✓			10				Yes					
4	✓			5,000	1 %			Yes			Yes		5,000

### United States - State Regulations

ID	CA P-65	DE RQ	MA RTK CODES	ME TYPE	ME RQ	ME RTK	MN AIR	WATER	NJ RTK	NJ AIR	NY LAND	NY ACUTE	PA LISTED	WA PEL TWA	WI TABLE	WV TAP
2		10	2,4 F8 F9							10	10		Yes-E			
3		10	F8 F9							10	10		Yes-E			
4		5,000	2,4,5 *E* F6 F8 F9		2,000	AO			Yes	5,000	100		Yes-E	5 ppm C	A	

### Canadian Regulations

ID	WHMIS CATEGORIES										CHEMICAL LISTS	
	A	B	C	D1A	D1B	D2A	D2B	D3	E	DSL	NDSL	NPRI
1											✓	
2										✓	✓	
3										✓	✓	
4				✓						✓	✓	1A

#### CPR Notice

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

#### WHMIS Classification

D1A,E

#### WHMIS Symbols



### European Union Regulations

ID	1907/2006 SVHC	67/548/EEC CLASSIFICATION	HAZARD CODES	1272/2008 PICTOGRAM CODES	SUPPL. CODES
3		Xn; N	H302, H319, H400, H410	GHS07, GHS09, Wng	
4		T; C	H331, H314	GHS06, GHS05, DGR	

### Classification According to EU Directive 1999/45/EC or 67/548/ECC (see Section 16 for full text)

#### 67/548/EEC Pictograms



#### Risk Phrases

22-23-35-36/38-50/53

#### Safety Phrases

2-26-37/38/39-45-60-61

### International Regulations

#### Chemical Weapons Convention

None of the ingredients are listed on the convention's schedules.

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## SECTION 16 - OTHER INFORMATION

### Full Text of EU Phrases and Precautionary Statements

CODE	HAZARD STATEMENTS
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H319	Causes serious eye irritation
H331	Toxic if inhaled
H410	Very toxic to aquatic life with long lasting effects

CODE	SUPPLEMENTAL STATEMENTS
None	

CODE	PRECAUTIONARY STATEMENTS
P102	Keep out of reach of children
P260	Do not breathe fumes
P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke with using this product
P271	Use only outdoors or in a well ventilated place
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection

CODE	RISK PHRASES
35	Causes severe burns
36/38	Irritating to eyes and skin
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

CODE	SAFETY PHRASES
2	Keep away from children
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
36/37/39	Wear suitable protective clothing, gloves and eye/face protection
45	In case of accident, or if you feel unwell, seek medical advice immediately
61	Avoid release to the environment
60	This material and its container must be disposed of as hazardous waste.

**SDS Revision History**  
Revision 1, 01/27/2010 - original  
Revision 2, 06/27/2012 - updated to include GHS and CLP information  
Revision 3, 06/07/2013 - updated to full GHS compliance

**SDS Prepared By** Hazard Communication Associates, sds@hazcom411.com

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**References and Sources** CAMEO Database of Hazardous Materials (<http://cameochemicals.noaa.gov>)  
CHEMpendium Database (<http://ccinfoweb.ccohs.ca/chempendium/search.html>)  
ChemSpider Chemical Database (<http://chemspider.com>)  
European Chemical Substances Information System (<http://esis.jrc.ec.europa.eu>)  
European Chemicals Agency (<http://echa.europa.eu>)  
International Chemical Safety Cards (<http://www.cdc.gov/niosh/ipcs/ipccard.html>)  
IUCLID Chemical Data Sheets Information System (<http://esis.jrc.ec.europa.eu/index.php?PGM=dat>)  
Merck Chemical Database (<http://www.merckmillipore.co.uk/chemicals>)  
NIOSH Pocket Guide to Chemical Hazards (<http://www.cdc.gov/niosh/npg/>)  
Right to Know Hazardous Substance Fact Sheets (<http://web.doh.state.nj.us/rtkhsfs/indexfs.aspx>)  
RTECS Database (<http://ccinfoweb.ccohs.ca/rtecs/search.html>)  
SOLV-DB, Solvent Database (<http://solvdb.ncms.org/solvdb.htm>)  
Toxic Substances Portal (<http://www.atsdr.cdc.gov/toxprofiles/index.asp>)  
TOXNet (<http://toxnet.nlm.nih.gov>)

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## Abbreviations Used

ACGIH	American Conference of Industrial Hygienists	NDSL	Non-Domestic Substance List (Canada)
ADR	European Agreement ... International Carriage of Dangerous Goods by Road	NIOSH	National Institute for Occupational Safety and Health (USA)
BCF	Bioconcentration Factor	NJ	New Jersey
BEI	Biological Exposure Index	NOEC	No Observed Effect Concentration
BOD	Biochemical Oxygen Demand	NPRI	National Pollutant Release Inventory (Canada)
CA	California	NTP	National Toxicity Program (USA)
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act (USA)	NY	New York
CFR	Code of Federal Regulations (USA)	OEL	Occupational Exposure Limit
CLP	Classification, Labelling and Packaging of Substances (Europe)	OSHA	Occupational Safety and Health Administration (USA)
COD	Chemical Oxygen Demand	P-65	Proposition 65 (USA)
CPR	Controlled Products Regulations (Canada)	PA	Pennsylvania
DE	Delaware	Pow	Octanol-Water Partition Coefficient
DOT	Department of Transportation (USA)	ppm	Parts per Million
DSL	Domestic Substance List (Canada)	psig	Pounds per Square Inch Gage
EC	European Community	RCRA	Resource Conservation and Recovery Act (USA)
EC50	Effective Concentration 50%	REL	Recommended Exposure Limit
EHA	Extremely Hazardous Substance	RQ	Reportable Quantity
EPA	Environmental Protection Agency (USA)	RTK	Right to Know
g/cc	Grams per Cubic Centimeter	SARA	Superfund Amendments and Reauthorization Act (USA)
GHS	Globally Harmonized System	SDS	Safety Data Sheet
HAP	Hazardous Air Pollutant	SOCMI	Synthetic Organic Chemical Manufacturing Industry (USA)
IARC	International Agency for Research on Cancer	STOT-RE	Suspected Target Organ Toxin, Repeat Exposure
IATA	International Air Transportation Association	STOT-SE	Suspected Target Organ Toxin, Single Exposure
IC50	Half Maximal Inhibitory Concentration	SVHC	Substance of Very High Concern
ICAO	International Civil Aviation Organization	TAP	Toxic Air Pollutant
IDLH	Immediately Dangerous to Life and Health	TDG	Transportation of Dangerous Goods (Canada)
IMDG	International Maritime Dangerous Goods	ThOD	Theoretical Oxygen Demand
Kow	Octanol-Water Partition Coefficient	TLV	Threshold Limit Value
lbs/gal	Pounds per Gallon	TPQ	Threshold Planning Quantity
LC50	Lethal Concentration 50%	TSCA	Toxic Substances Control Act (USA)
LD50	Lethal Dosage 50%	TWA	Time Weighted Average
MA	Massachusetts	TWAEV	Time Weighted Average Exposure Value
MAK	Maximale Arbeitsplatz Konzentration (Maximum Workplace Concentration)	VOC	Volatile Organic Compound
Max	Maximum	WA	Washington
mg/L	Milligrams per Litre	WEL	Workplace Exposure Limit
mg/m <sup>3</sup>	Milligrams per Cubic Meter	WHMIS	Workplace Hazardous Materials Information System (Canada)
MN	Minnesota	WI	Wisconsin
MPEL-PTA	Maximum Permissible Exposure Limit on Pondered Time Average	WV	West Virginia