



# SAFETY DATA SHEET

GHS COMPLIANT

Otis 085 Ultra Bore

Part No. O6038CT & O6040CT Liquid

Revision 4 / May 01, 2014

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## SECTION 1 - IDENTIFICATION

**Product Identifier**

24 hr Emergency  
Phone Number

800-255-3924

(Chem-Tel)

Product Number(s) O6038CT & O6040CT

Product Name Otis 085 Ultra Bore

Other Means of Identification None

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Identified Uses Gun Lubricant

Restrictions On Use None identified

Manufacturer Details		Supplier Details	
Manufacturer Name	Chem-Pak, Inc.	Supplier Name	Otis Products, Inc.
Address	242 Corning Way Martinsburg WV 25405	Address	PO Box 582/6987 Laura Street Lyons Falls, NY 13368
Phone Number	800-336-9828	Phone Number	315-348-4300
Fax Number	304-262-9643	Fax Number	315-348-4332

## SECTION 2 - HAZARDS IDENTIFICATION

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

HEALTH HAZARDS			PHYSICAL HAZARDS		
Acute Tox. Oral	4	Mutagenicity	Unstable Explosive	Refrigerated Liq. Gas	Pyrophoric Solid
Acute Tox. Skin	4	Carcinogenicity	Explosive	Flammable Liquid	Emits Flammable Gas
Acute Tox. Inhalation	4	Tox. to Reproduction	Flammable Gas	Flammable Solid	Oxidizing Liquid
Skin Irritation	2	STOT SE	Aerosol	Self-Reactive Sub.	Oxidizing Solid
Eye Irritation	2A	STOT RE	Oxidizing Gas	Pyrophoric Liquid	Organic Peroxide
Resp. Sensitization		Aspiration Hazard	Gas Under Pressure	Self-Heating Substance	Corrosive to Metal
Skin Sensitization			<b>ENVIRONMENTAL HAZARDS</b>		
			Aquatic Acute	Aquatic Chronic	Ozone Depleting

**GHS/CLP (1272/2008) Label Elements**

**Hazard Pictograms**



**Signal Word**

Warning!

**Hazard Statements**

Causes skin irritation. Causes serious eye irritation. Harmful if swallowed, in contact with skin or if inhaled.

**Precautionary Statements**

**General**

Keep out of reach of children.

**NFPA / HMIS Classification**

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0



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<b>Prevention</b>	Do not handle until all safety precautions have been read and understood. Do not spray on an open flame or other ignition source. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. 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. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.
<b>Storage</b>	None
<b>Disposal</b>	Dispose of contents/container in accordance with local regulations.

#### Other Hazards Which Do Not Result In Classification

**Hazards** None known

### SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

ID	INGREDIENT	CAS NUMBER	EC NUMBER	INDEX NUMBER	% WT RANGE
1	Severly Hydrotreated Light Naphthenic Distillate	0064742-53-6	265-155-0	—	60 - 100
2	Phosphonic Acid Polymer	0141808-04-0	Not Listed	—	1 - 5
3	Butyl Cellosolve	0000111-76-2	203-905-0	603-014-00-0	1 - 5

### SECTION 4 - FIRST-AID MEASURES

#### Description of First-Aid Measures

<b>Eye Contact</b>	Flush eyes with water.
<b>Skin Contact</b>	Remove with soap and water.
<b>Ingestion</b>	Do not induce vomiting! Drink plenty of water. Contact a physician if irritation develops.
<b>Inhalation</b>	Remove to fresh air.
<b>First-Aid Responder Protection</b>	Wear adequate personal protective equipment based on the nature and severity of the emergency.

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

<b>Eye Contact</b>	Liquid contact may cause pain along with moderate eye irritation.
<b>Skin Contact</b>	Prolonged or repeated exposure may cause skin irritation. Repeated contact may cause drying or flaking of skin. May cause more severe response if confined to skin.
<b>Ingestion</b>	May cause irritation laxative effect.
<b>Inhalation</b>	At room temperature, exposure to vapour is minimal due to low volatility. Single exposure is not anticipated to be hazardous.

#### Indication of Immediate Medical Attention and Special Treatment

<b>Notes to Physician</b>	Treat symptomatically.
<b>Specific Treatments/Antidotes</b>	No information available.
<b>Immediate Medical Attention</b>	No information available.

### SECTION 5 - FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

<b>Extinguishing Media</b>	Product is non-flammable. Use extinguishing media suitable for surrounding materials.
<b>Unsuitable Media</b>	Avoid extinguishing media unsuitable for surrounding materials.



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## Specific Hazards Arising from the Chemical or Mixture

<b>Decomposition Products</b>	Decomposition products may include oxides of carbon (CO, CO <sub>2</sub> ), smoke, and/or vapors.
<b>Hazards from the Product</b>	Contents non-flammable. In a fire or if heated, a pressure increase will occur which may result in container bursting.
<b>Mechanical Impact Sensitivity</b>	Not sensitive.
<b>Static Discharge Sensitivity</b>	Not sensitive.

## Special Protection Actions for Fire-Fighters

<b>Protective Actions</b>	Use water spray to cool fire exposed containers, as contents may rupture from heat developed pressure.
<b>Protective Equipment</b>	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

<b>For Non-Emergency Personnel</b>	No action should be taken involving any personnel without suitable training. Keep unnecessary and unprotected personnel from entering.
<b>For Emergency Responders</b>	Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel above.

### Environmental Precautions

<b>Precautions</b>	Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.
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### Methods and Materials for Containment and Cleaning up

<b>Containment Procedures</b>	Released content may be contained with oil/solvent absorbent pads, booms, and/or absorbents.
<b>Cleanup Procedures</b>	Soak up material with inert absorbent and place in safety containers for proper disposal.
<b>Other Information</b>	Not available.
<b>Prohibited Materials</b>	Not available.

## SECTION 7 - HANDLING AND STORAGE

### Precautions for Safe Handling

<b>General Handling Precautions</b>	KEEP OUT OF THE REACH OF CHILDREN.
<b>Hygiene Recommendations</b>	Do not eat, drink or smoke when using this product. Wash hands thoroughly after use.

### Conditions for Safe Storage Including And Incompatibilities

<b>Storage Requirements</b>	Keep containers closed when not in use. Do not store in open or unlabelled containers.
<b>Incompatibilities</b>	Segregate storage away from materials indicated in Section 10.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control Parameters

#### Occupational Exposure Limits

ID	CANADA					UNITED STATES							
	AUSTRALIA TWA	ALBERTA OEL	BC TWA	ONTARIO TWA/EV	QUEBEC TWA	GERMANY MAK	JAPAN OEL	MEXICO MPEL-PTA	UK WEL	OSHA PEL	NIOSH REL	NIOSH IDLH	ACGIH TLV
1	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	—	3 mg/m <sup>3</sup>	—	—	10 mg/m <sup>3</sup>	—	—	—
3	20 ppm	25 ppm	20 ppm	20 ppm	20 ppm	20 ppm	—	25 ppm	25 ppm	50 ppm	5 ppm	700 ppm	20 ppm

#### Biological Exposure Indices

ID	DETERMINANT	SAMPLING TIME	BEI	NOTATION
3	Butoxyacetic acid (BAA) in urine	End of shift	200 mg/g creatinine	—



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**Other Control Parameters** Not available.

**Appropriate Engineering Control**

**Engineering Measures** Use only with adequate ventilation.

**Individual Protection Measures**

**Hygiene Considerations** No special precautions necessary beyond normal good hygiene practices. Keep out the reach of children. Wash hands after use.

**Thermal Hazards** This product does not present a thermal hazard.

**Respiratory Protection** Respiratory protection is not anticipated to be needed.

**Skin Protection** For brief contact, no precautions other than clean body-covering clothing should be needed.

**Eye/Face Protection** Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling.

**Other Protective Equipment** Not applicable.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Boiling Point</b>	>260.0 °C (500.0 °F)	<b>Melting / Freezing Point</b>	Not Available
<b>Flash Point, Liquid</b>	>244.0 °C (471.2 °F)	<b>Autoignition Temperature, Liquid</b>	>315.0 °C (599.0 °F)
<b>Explosive Limits</b>	Non-Flammable	<b>Relative Density (H2O = 1)</b>	0.874 g/cc
<b>Flammability</b>	Class IIIA Liquid	<b>Weight</b>	7.292 lbs/gal
<b>Molecular Weight</b>	Not Available	<b>pH</b>	Not Available
<b>Vapor Pressure</b>	<0.013 kPa (0.1 MM Hg) at 20 C	<b>Evaporation Rate</b>	Not Available
<b>Vapor Density</b>	>5 at 101 kPa	<b>Partition Coefficient</b>	Not Available
<b>Form</b>	Liquid	<b>Refractive Index</b>	Not Available
<b>Viscosity</b>	350 SUS	<b>Heat of Combustion</b>	Not Available
<b>Odor Threshold</b>	Not Available	<b>Water Solubility</b>	Not Available
<b>Odor</b>	Mild	<b>Decomposition Temperature</b>	Not Available
<b>Appearance / Color</b>	Clear yellow to amber	<b>VOC Content</b>	0.22 lbs/gal (26.259 g/L)
<b>Percent Volatile</b>	4% Wt (3% Vol) Max	<b>HAP Content</b>	None
<b>Percent VOC</b>	4% Wt (3% Vol) Max	<b>Maximum Incremental Reactivity</b>	0.076 g O3/g
<b>Solids/Non Volatile Content</b>	97% Wt (98% Vol) Max		

## SECTION 10 - STABILITY AND REACTIVITY

<b>Reactivity</b>	No specific test data related to reactivity is available for this product or its ingredients.
<b>Chemical Stability</b>	This product is stable.
<b>Hazardous Reactions</b>	Under normal conditions of storage and use, hazardous reactions are not expected to occur.
<b>Conditions to Avoid</b>	Keep away from heat, sparks, flame, and red hot metal.
<b>Material Incompatibility</b>	Bases, Perchloric And Permonosulfuric Acids, Strong Oxidizing Agents
<b>Decomposition Products</b>	Oxides of Carbon, Peroxides may be formed depending on fire conditions.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**Acute Toxicity**

ID	ORAL LD50		DERMAL LD50		INHALATION LC50		
	VALUE	SPECIES	VALUE	SPECIES	VALUE	TIME	SPECIES
1	>2000 mg/kg	rat	>2000 mg/kg	rabbit	5 mg/L	4h	rat
2	>2000 mg/kg	rat	—	—	—	—	—
3	470 mg/kg	rat	220 mg/kg	rabbit	2211 mg/m3	4h	rat



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<b>Skin Corrosion/Irritation</b>	Butyl Cellosolve causes skin irritation.
<b>Eye Damage/Irritation</b>	Butyl Cellosolve causes serious eye irritation.
<b>Respiratory Irritation</b>	None of the ingredients are known to cause respiratory irritation.
<b>Respiratory or Skin Sensitization</b>	None of the ingredients are known to cause sensitization.
<b>Germ Cell Mutagenicity</b>	None of the ingredients are known or suspected of causing genetic defects.
<b>Carcinogen Data</b>	None of the ingredients are known or suspected carcinogens.
<b>Reproductive Toxicity</b>	None of the ingredients are known to cause reproductive harm.
<b>STOT-Single Exposure</b>	None of the ingredients are known to cause specific target organ effects from a single exposure.
<b>STOT-Repeated Exposure</b>	None of the ingredients are known to cause specific target organ effects through prolonged or repeated exposure.
<b>Aspiration Hazard</b>	None of the ingredients are known to be an aspiration hazard.

**Information on the Likely Routes of Exposure**

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

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

**Symptoms of Exposure** No known symptoms.

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

<b>Delayed Effects</b>	No known delayed effects.
<b>Immediate Effects</b>	No known immediate effects.
<b>Chronic Effects</b>	No known chronic effects.
<b>Medical Conditions Aggravated</b>	Not applicable.
<b>Target Organs</b>	Bladder, Blood, Central Nervous System, Eyes, Liver, Lymphoid System, Respiratory System, Skin

**Interactive Effects**

**Synergistic Effects** No known synergistic effects.

## SECTION 12 - ECOLOGICAL INFORMATION

**Ecotoxicity**

ID	FISH			INVERTEBRATES			AQUATIC PLANTS			MICROORGANISMS		
	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD
3	LC50	1490 mg/L	96h	EC50	1720 mg/L	24h	LOEC	900 mg/L	7d	EC5	911 mg/L	48h

**Ecological Data**

ID	PERSISTENCE	PERSISTENCE AND DEGRADABILITY			BIOACCUMULATIVE POTENTIAL		MOBILITY
		BOD	COD	ThOD	Pow / Kow	BCF	
1	-	-	-	-	3.9 log Pow	-	-
2	-	-	-	-	1.9 log Kow	-	-

**Other Adverse Effects** No additional information available.

## SECTION 13 - DISPOSAL CONSIDERATIONS

**Waste Disposal** Although this product is non-hazardous, contamination from a variety of means is possible. 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 along with regular trash pickup. 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



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## SECTION 14 - TRANSPORTATION INFORMATION

	UNITED STATES DOT	INTERNATIONAL AIR ICAO/IATA	INTERNATIONAL OCEAN IMDG	UNITED NATIONS ADR	CANADA TDG
ID Number			Non-Regulated Material		

Additional Shipping Details Not available.

## 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 SOCMI	CLEAN WATER ACT
1	Yes	-	-	-	-	-	-	-	-	-	-	-	-
2	Yes	-	-	-	-	-	-	-	-	-	-	-	-
3	Yes	-	-	-	-	-	-	Yes	-	-	-	-	-

### United States - State Regulations

ID	CA P-65	DE RQ	MA RTK CODES	ME TYPE	RQ	RTK	MN AIR	WATER	NJ RTK	NY AIR	NY LAND	NY ACUTE	PA LISTED	WA PEL TWA	WI TABLE	WV TAP
1	-	-	1 *E*C*	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	2,4,6 F8	-	-	AO	-	-	-	-	-	-	Yes	25 ppm	A	-

### Canadian Regulations

ID	WHMIS CATEGORIES										CHEMICAL LISTS		
	A	B	C	D1A	D1B	D2A	D2B	D3	E	F	DSL	NDSL	NPRI
1	-	-	-	-	-	-	-	-	-	-	Yes	-	-
2	-	-	-	-	-	-	-	-	-	-	Yes	-	-
3	-	B3	-	-	-	-	X	-	-	-	Yes	-	1A, 5

### CPR Notice

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

### WHMIS Classification

D2B

### WHMIS Symbols



### European Union Regulations

ID	1907/2006 SVHC	1999/45/EC or 67/548/EEC CLASSIFICATION	HAZARD CODES	1272/2008 CLP PICTOGRAM CODES	SUPPL. CODES
	3	-	Xn	H332, H312, H302, H319, H315	GHS07, Wng

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

### Pictograms



### Risk Phrases

20/21/22-36/38

### Safety Phrases

2-46

### International Regulations

### Chemical Weapons Convention

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

## SECTION 16 - OTHER INFORMATION



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### Full Text of EU Phrases and Precautionary Statements

CODE	HAZARD STATEMENTS
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H302+H312+H332	Harmful if swallowed, in contact with skin or if inhaled.

CODE	SUPPLEMENTAL HAZARDS
-	-

CODE	PRECAUTIONARY STATEMENTS
P102	Keep out of reach of children.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

CODE	RISK PHRASES
R 20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R 36/38	Irritating to eyes and skin.

CODE	SAFETY PHRASES
S 2	Keep out of reach of children.
S 46	If swallowed, seek medical advice immediately & show container/label.

### SDS Revision History

Revision 1, 04/06/2007, Original  
 Revision 2, 04/03/2013, Updated to GHS Version 4 Format.  
 Revision 3, 02/11/2014, General update.  
 Revision 4, 05/01/2014, Added product # O6038CT and changed name from OtisLube #6039.

### Disclaimer of Liability

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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/ipscard.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/hpg/>)  
 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>)

### Abbreviations Used

ACGIH	American Conference of Industrial Hygienists	EC50	Effective Concentration 50%
ADR	European Agreement ... International Carriage of Dangerous Goods by Road	EHA	Extremely Hazardous Substance
BCF	Bioconcentration Factor	EPA	Environmental Protection Agency (USA)
BEI	Biological Exposure Index	g/cc	Grams per Cubic Centimeter
BOD	Biochemical Oxygen Demand	GHS	Globally Harmonized System
CA	California	HAP	Hazardous Air Pollutant
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act (USA)	IARC	International Agency for Research on Cancer
CFR	Code of Federal Regulations (USA)	IATA	International Air Transportation Association
CLP	Classification, Labeling and Packaging of Substances (Europe)	IC50	Half Maximal Inhibitory Concentration
COD	Chemical Oxygen Demand	ICAO	International Civil Aviation Organization
CPR	Controlled Products Regulations (Canada)	IDLH	Immediately Dangerous to Life and Health
DE	Delaware	IMDG	International Maritime Dangerous Goods
DOT	Department of Transportation (USA)	Kow	Octanol-Water Partition Coefficient
DSL	Domestic Substance List (Canada)	lbs/gal	Pounds per Gallon
EC	European Community	LC50	Lethal Concentration 50%
		LD50	Lethal Dosage 50%



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MA	Massachusetts
MAK	Maximale Arbeitsplatz Konzentration (Maximum Workplace Concentration)
Max	Maximum
mg/L	Milligrams per Litre
mg/m <sup>3</sup>	Milligrams per Cubic Meter
MN	Minnesota
MPEL-PTA	Maximum Permissible Exposure Limit on Pondered Time Average
NDSL	Non-Domestic Substance List (Canada)
NIOSH	National Institute for Occupational Safety and Health (USA)
NJ	New Jersey
NOEC	No Observed Effect Concentration
NPRI	National Pollutant Release Inventory (Canada)
NTP	National Toxicity Program (USA)
NY	New York
OEL	Occupational Exposure Limit
OSHA	Occupational Safety and Health Administration (USA)
P-65	Proposition 65 (USA)
PA	Pennsylvania
Pow	Octanol-Water Partition Coefficient
ppm	Parts per Million
psig	Pounds per Square Inch Gage
RCRA	Resource Conservation and Recovery Act (USA)
REL	Recommended Exposure Limit
RQ	Reportable Quantity
RTK	Right to Know
SARA	Superfund Amendments and Reauthorization Act (USA)
SDS	Safety Data Sheet
SOCMI	Synthetic Organic Chemical Manufacturing Industry (USA)
STOT-RE	Suspected Target Organ Toxin, Repeat Exposure
STOT-SE	Suspected Target Organ Toxin, Single Exposure
SVHC	Substance of Very High Concern
TAP	Toxic Air Pollutant
TDG	Transportation of Dangerous Goods (Canada)
ThOD	Theoretical Oxygen Demand
TLV	Threshold Limit Value
TPQ	Threshold Planning Quantity
TSCA	Toxic Substances Control Act (USA)
TWA	Time Weighted Average
TWAEV	Time Weighted Average Exposure Value
VOC	Volatile Organic Compound
WA	Washington
WEL	Workplace Exposure Limit
WHMIS	Workplace Hazardous Materials Information System (Canada)
WI	Wisconsin
WV	West Virginia