

SECTION 1 - IDENTIFICATION

Product Identifier

Product Number(s) #120069 - 6 oz.
 #120014 - 1.5 oz.
 #141002 - 6 oz. - Inactive Product
 #101006 - 11oz. - Inactive Product
 #150004 - 1.5 oz. - Inactive Product

Product Name Ballistol Multi-Purpose

Other Means of Identification None

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

Identified Uses Multi-purpose Lubricant

Restrictions On Use None identified



800-255-3924
 (Chem-Tel – Contract #MIS001566)

Manufacturer Details		Supplier Details	
Manufacturer Name	Chem-Pak, Inc.	Supplier Name	Washington Trading Company, Inc. Ballistol USA
Address	242 Corning Way Martinsburg WV 25405	Address	One Cypress Knee Trail Kitty Hawk NC 27949
Phone Number	800-336-9828	Phone Number	252-261-6181
Fax Number	304-262-9643	Fax Number	252-261-0408

SECTION 2 - HAZARDS IDENTIFICATION

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

HEALTH HAZARDS				PHYSICAL HAZARDS					
Acute Tox. Oral	<input type="checkbox"/>	Mutagenicity	<input type="checkbox"/>	Unstable Explosive	<input type="checkbox"/>	Refrigerated Liq. Gas	<input type="checkbox"/>	Pyrophoric Solid	<input type="checkbox"/>
Acute Tox. Skin	<input type="checkbox"/>	Carcinogenicity	<input type="checkbox"/>	Explosive	<input type="checkbox"/>	Flammable Liquid	<input type="checkbox"/>	Emits Flammable Gas	<input type="checkbox"/>
Acute Tox. Inhalation	<input type="checkbox"/>	Tox. to Reproduction	<input type="checkbox"/>	Flammable Gas	<input type="checkbox"/>	Flammable Solid	<input type="checkbox"/>	Oxidizing Liquid	<input type="checkbox"/>
Skin Irritation	<input type="checkbox"/>	STOT SE	<input type="checkbox"/>	Aerosol	1	Self-Reactive Sub.	<input type="checkbox"/>	Oxidizing Solid	<input type="checkbox"/>
Eye Irritation	<input type="checkbox"/>	STOT RE	<input type="checkbox"/>	Oxidizing Gas	<input type="checkbox"/>	Pyrophoric Liquid	<input type="checkbox"/>	Organic Peroxide	<input type="checkbox"/>
Resp. Sensitization	<input type="checkbox"/>	Aspiration Hazard	1	Gas Under Pressure	<input type="checkbox"/>	Self-Heating Substance	<input type="checkbox"/>	Corrosive to Metal	<input type="checkbox"/>
Skin Sensitization	<input type="checkbox"/>		<input type="checkbox"/>	ENVIRONMENTAL HAZARDS					
	<input type="checkbox"/>		<input type="checkbox"/>	Aquatic Acute	<input type="checkbox"/>	Aquatic Chronic	2	Ozone Depleting	<input type="checkbox"/>

GHS/CLP (1272/2008) Label Elements

Hazard Pictograms



Signal Word

Danger!

Hazard Statements

Extremely flammable aerosol. Pressurized container: may burst if heated. May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.

NFPA / HMIS Classification



Precautionary Statements

General

Prevention

Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Pressurized container: Do not pierce or burn, even after use. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. 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. Call a POISON CENTER or doctor/physician if you feel unwell. If skin irritation occurs: Get medical advice/attention. Collect spillage.

Storage

Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

Disposal

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	White Mineral Oil	0008042-47-5	232-455-8	—	40 - 70
2	Liquefied Petroleum Gas	0068476-86-6	270-705-8	649-203-00-1	10 - 30
3	Iso-hexane	0000107-83-5	203-523-4	601-007-00-7	5 - 40

SECTION 4 - FIRST-AID MEASURES

Description of First-Aid Measures

Eye Contact

Immediately flush with clear water for at least 15 minutes, including under the eyelids. Consult a doctor.

Skin Contact

Remove with soap and water, rinsing and repeating for 15 minutes.

Ingestion

Do not induce vomiting! Immediately have the victim drink plenty of water. Do not give milk or digestible oils. Keep airways free. Contact a physician. Never give anything by mouth if victim is rapidly losing consciousness, unconscious, or convulsing.

Inhalation

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist or if unconscious.

First-Aid Responder Protection

Wear adequate personal protective equipment based on the nature and severity of the emergency.

Most Important Symptoms and Effects, Both Acute and Delayed

Eye Contact

Liquid contact may cause pain along with moderate eye irritation.

Skin Contact

Adverse effects not anticipated.

Ingestion

Due to being an aerosol, the product does not lend itself to ingestion. Should ingestion occur, it may cause irritation to membranes of the mouth, throat, and gastrointestinal tract resulting in vomiting and/or cramps. Aspiration of vomit into the lungs may cause inflammation, and possible chemical pneumonitis, bronchopneumonia, or pulmonary edema.

Inhalation

Prolonged or repeated overexposure is anesthetic. May cause irritation of the respiratory tract, or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion or death. Irritation of the mucous membranes, coughing, and dyspnea are also possible.

Indication of Immediate Medical Attention and Special Treatment

Notes to Physician

Treat symptomatically.

Specific Treatments/Antidotes

Details on specific treatments and/or antidotes are not available.

Immediate Medical Attention

No information available.

SECTION 5 - FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Extinguishing Media Water, CO₂, dry chemical, or universal aqueous film forming foam
Unsuitable Media Water jet

Specific Hazards Arising from the Chemical or Mixture

Decomposition Products Decomposition products may include oxides of carbon (CO, CO₂), smoke, and/or vapors.
Hazards from the Product Contents extremely flammable and under pressure. In a fire or if heated, a pressure increase will occur which may result in container bursting. Vapors heavier than air may spread along the ground and travel to ignition an source.
Mechanical Impact Sensitivity Mechanical impact may cause aerosol can to rupture, resulting in a rapid release of its contents. In the presence of an ignition source the liquid and/or vapor content may be ignited.
Static Discharge Sensitivity Vapor within the flammable limits may be ignited by a static discharge of sufficient energy.

Special Protection Actions for Fire-Fighters

Protective Actions Use water spray to cool fire exposed aerosol containers, as contents can rupture violently 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 should 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 Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content may be contained with oil/solvent absorbent pads, socks, and/or absorbents. DO NOT use combustible material such as sawdust.
Cleanup Procedures Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.
Other Information Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned. See Section 13 for disposal.
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. Avoid breathing of vapors. Do not incinerate (burn) containers. Always replace overcap when not in use. Avoid use around open flames or other sources of ignition. Exposure to heat or prolonged exposure to sun may cause can to burst. Use only with adequate ventilation, opening doors or windows to achieve cross-ventilation.
Hygiene Recommendations Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating or smoking areas.

Conditions for Safe Storage Including And Incompatibilities

Storage Requirements Storage of individual cans should be done in an area below 55 °C (120 °F), and away from heat sources. Ensure can is in a secure place to prevent knocking over and accidental rupture. For storage of pallet quantities, compliance with NFPA 30B (Manufacture and Storage of Aerosol Products) is recommended. This product is classified as a Level 3 Aerosol.

Incompatibilities Segregate storage away from materials indicated in Section 10.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Occupational Exposure Limits

ID	AUSTRALIA	ALBERTA	CANADA			GERMANY	JAPAN	MEXICO	UK	OSHA	UNITED STATES		
	TWA	OEL	BC TWA	ONTARIO TWA/EA	QUEBEC TWA	MAK	OEL	MP/EL-PTA	WEL	PEL	NIOSH REL	NIOSH IDLH	ACGIH TLV
1	10 mg/m ³	5 mg/m ³	1 mg/m ³	5 mg/m ³	5 mg/m ³	—	3 mg/m ³	—	—	—	—	—	—
2	1000 ppm	1000 ppm	1000 ppm	1000 ppm	—	—	—	—	1000 ppm	1000 ppm	2000 ppm	1000 ppm	1000 ppm

Biological Exposure Indices

ID	DETERMINANT	SAMPLING TIME	BEI	NOTATION
—	—	—	—	—

Other Control Parameters Not available.

Appropriate Engineering Control

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 eyes. Always replace overcap when not in use. Keep out the reach of children.

Thermal Hazards This product does not present a thermal hazard.

Respiratory Protection An approved respirator with an organic 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.

Skin Protection None normally required.

Eye/Face Protection 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.

Other Protective Equipment Safety showers and eye-wash stations should be available in the workplace near where the material will be used.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	> 51.7 °C (125.0 °F)	Melting / Freezing Point	Not Determined
Flash Point, Liquid	> -32.2 °C (-26.0 °F)	Flash Point, Propellant	-104.4 °C (-156.0 °F)
Explosive Limits	0.00% to 7.00%	Autoignition Temperature, Liquid	260.0 °C (500.0 °F)
Flammability	Extremely Flammable Aerosol	Relative Density (H₂O = 1)	0.747 g/cc
Molecular Weight	Not Available	Weight	6.232 lbs/gal
Vapor Pressure	70 psig	pH	Not Available
Vapor Density	2.970 g/cc Maximum	Evaporation Rate	Not Available
Form	Pressurized Product	Partition Coefficient	Not Available
Viscosity	Not Available	Refractive Index	Not Available
Odor Threshold	Not Available	Heat of Combustion	Not Available
Odor	Characteristic	Water Solubility	Not Available
Appearance / Color	Clear to yellowish liquid	Decomposition Temperature	Not Available

Percent Volatile	35% Wt (43% Vol) Max	VOC Content	2.127 lbs/gal (254.807 g/L)
Percent VOC	35% Wt (43% Vol) Max	HAP Content	None
Solids/Non Volatile Content	66% Wt (58% Vol) Max	Maximum Incremental Reactivity	0.447 g O ₃ /g

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	No specific test data related to reactivity is available for this products or its ingredients.
Chemical Stability	This product is stable.
Hazardous Reactions	Under normal conditions of storage and use, hazardous reactions are not expected to occur.
Conditions to Avoid	Keep away from heat, sparks, flame, and red hot metal.
Material Incompatibility	Chlorine Dioxide, Strong Oxidizing Agents
Decomposition Products	Oxides of Carbon 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	>5000 mg/kg	rat	>2000 mg/kg	rabbit	—	—	—
2	—	—	—	—	57.42% v/v	—	mice

Skin Corrosion/Irritation	None of the ingredients are anticipated to cause skin irritation.
Eye Damage/Irritation	None of the ingredients are known to cause eye damage or irritation.
Respiratory Irritation	None of the ingredients are known to cause respiratory irritation.
Respiratory or Skin Sensitization	None of the ingredients are known to cause sensitization.
Germ Cell Mutagenicity	None of the ingredients are known or suspected of causing genetic defects.
Carcinogen Data	None of the ingredients are known or suspected carcinogens.
Reproductive Toxicity	None of the ingredients are known to cause reproductive harm.
STOT-Single Exposure	Iso-hexane may cause drowsiness or dizziness.
STOT-Repeated Exposure	None of the ingredients are known to cause specific target organ effects through prolonged or repeated exposure.
Aspiration Hazard	Iso-hexane may be fatal if swallowed and enters airways.

Information on the Likely Routes of Exposure

Routes of Exposure Eye contact, Inhalation.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Symptoms of Exposure Asphyxia, Dizziness, Drowsiness

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	Reports have associated repeated and prolonged occupational overexposure to solvents with irreversible brain and nervous system damage (sometimes referred to as "Solvent or Painter's Syndrome"). Intentional misuse by concentrating and inhaling this product may be harmful or fatal.
Medical Conditions Aggravated	May aggravate personnel with pre-existing disorders associated with any of the Target Organs.
Target Organs	Central Nervous System, Respiratory System

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
1	LC50	>10 g/L	96h	-	-	-	-	-	-	-	-	-

Ecological Data

ID	PERSISTENCE	PERSISTENCE AND DEGRADABILITY			BIOACCUMULATIVE POTENTIAL		MOBILITY
		BOD	COD	ThOD	Pow / Kow	BCF	
-	-	-	-	-	-	-	-

Other Adverse Effects

No additional information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal

Characteristics and 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 must be disposed of in compliance with the respective national, federal, state, and/or local regulations.

Waste Disposal of Packaging

In the United States, an aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40 CFR 261.1(c)(6)), and would be exempt from RCRA regulation under 40 CFR 261.6(a)(3)(iv) if it is to be recycled. If containers are to be disposed of (not recycled) it must be managed under all applicable RCRA and state regulations.






Landfill Precautions

Not Available

Incineration Precautions

**** DO NOT INCINERATE ** CONTENTS UNDER PRESSURE ****

SECTION 14 - TRANSPORTATION INFORMATION

	UNITED STATES DOT	INTERNATIONAL AIR ICAO/IATA	INTERNATIONAL OCEAN IMDG	UNITED NATIONS ADR	CANADA TDG
ID Number	UN1950	UN1950	UN1950	UN1950	UN1950
Proper Shipping Name	Aerosols, Limited Quantity	Aerosols, Flammable, Limited Quantity	Aerosols, Limited Quantity	Aerosols, Limited Quantity	Aerosols, Limited Quantity
Hazard Class(es)	2.1	2.1	2.1	2.1	2.1
Packing Group	—	—	—	—	—
Environmental Hazards	No	No	No	No	No
Special Precautions	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Hazard Labels					

Additional Shipping Details

Not available.

SECTION 15 - REGULATORY INFORMATION

United States - Federal Regulations

ID	TSCA	SARA 302	RCRA	CERCLA	SARA 313	SARA 311/B12				CLEAN AIR ACT		CLEAN
	LISTED	EHS TPQ				FIRE	REACTIVITY	ACUTE	CHRONIC	PRESSURE	HAP	SOCMI
1	Yes	-	-	-	-	-	-	-	-	-	-	-
2	Yes	-	-	-	-	Yes	-	-	-	-	-	-
3	Yes	-	-	-	-	Yes	-	Yes	-	-	-	-

United States - State Regulations

ID	CA	DE	MA	ME	MN	NJ	NY	PA	WA	WI	WV					
	P-65	RQ	RTK CODES	TYPE	RQ	RTK	AIR	WATER	RTK	AIR	LAND	ACUTE	LISTED	PEL TWA	TABLE	TAP
3	-	-	6	-	-	-	-	-	-	-	-	-	Yes	-	-	-

Canadian Regulations

ID	WHMIS CATEGORIES										CHEMICAL LISTS		
	A	B	C	D1A	D1B	D2A	D2B	D3	E	F	DSL	NDSL	NPRI
1	-	-	-	-	-	-	-	-	-	-	Yes	-	-
2	X	B1	-	-	-	-	-	-	-	-	Yes	-	-
3	-	B2	-	-	-	-	-	-	-	-	Yes	-	-

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

A, B5

WHMIS Symbols



European Union Regulations

ID	1907/2006	1999/45/EC or 67/548/EEC	1272/2008 CLP		
	SVHC	CLASSIFICATION	HAZARD CODES	PICTOGRAM CODES	SUPPL. CODES
2	-	F+	H220	GHS02, Dgr	-
3	-	F; Xn; N	H225, H304, H315, H336, H411	GHS02, GHS08, GHS07, GHS09, Dgr	-

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

Pictograms



Risk Phrases

12-51/53-65-67

Safety Phrases

2-16-29-33-61-62

International Regulations

Chemical Weapons Convention

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

SECTION 16 - OTHER INFORMATION

Full Text of EU Phrases and Precautionary Statements

CODE	HAZARD STATEMENTS
H222	Extremely flammable aerosol.
H229	Pressurized container: may burst if heated.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

CODE	SUPPLEMENTAL HAZARDS
-	-



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CODE	PRECAUTIONARY STATEMENTS
P102	Keep out of reach of children.
P210	Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P251	Pressurized container: Do not pierce or burn, even after use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective eye protection/face protection.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C /122 °F.

CODE	RISK PHRASES
R 12	Extremely flammable.
R 51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 65	Harmful: may cause lung damage if swallowed.
R 67	Vapours may cause drowsiness and dizziness.

CODE	SAFETY PHRASES
S 2	Keep out of reach of children.
S 16	Keep away from sources of ignition – No smoking.
S 29	Do not empty into drains.
S 33	Take precautionary measures against static discharges.
S 61	Avoid release to the environment. Refer to special instructions/Safety data sheets.
S 62	If swallowed do not induce vomiting: seek medical advice immediately and show this container or label.

SDS Revision History

Revision 1, 04/16/2002, Original
Revision 2, 10/15/2004 New International Format, Updated information.
Revision 3, 07/03/2013 Updated to GHS Version 4 Format
Revision 4, 08/28/2013 Misc changes made at customer request.
Revision 5, 02/12/2014 General updates.

Disclaimer of Liability

The information contained herein is based upon data provided to us by our suppliers, and reflects our best judgement. However, no warranty of merchantability, fitness for any use, or any other warranty or guarantee is expressed or implied regarding the accuracy of such data, or the results to be obtained from use thereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of such application. This information is furnished upon the condition that the persons receiving it shall make their own determinations of the suitability of the material for any particular use. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist.

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/ipcscard.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 ³	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