

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

**24 hr Emergency
Phone Number**

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

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



HEALTH	*	1
FLAMMABILITY	4	
PHYSICAL HAZARD	0	

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	0068476-86-8	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 TWA	ALBERTA OEL	CANADA			GERMANY MAK	JAPAN OEL	MEXICO MPEL-PTA	UK WEL	OSHA PEL	UNITED STATES		
			BC TWA	ONTARIO TWA/EV	QUEBEC TWA						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	200.0 °C (392.0 °F)
Flammability	Extremely Flammable Aerosol	Relative Density (H₂O = 1)	0.772 g/cc
Molecular Weight	Not Available	Weight	6.439 lbs/gal
Vapor Pressure	108 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	25% Wt (34% Vol) Max	VOC Content	1.653 lbs/gal (197.995 g/L)
Percent VOC	25% Wt (34% Vol) Max	HAP Content	None
Solids/Non Volatile Content	75% Wt (66% Vol) Max	Maximum Incremental Reactivity	0.271 g O ₃ /g

Ecological Data

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

Other Adverse Effects No additional information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

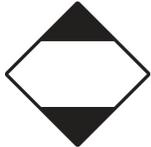
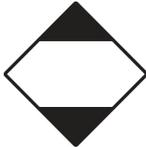
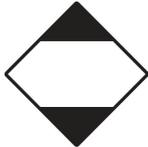
Waste Disposal Characteristics and waste stream classification can change with product use and location. It is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste 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 LISTED	SARA 302 EHS TPQ	RCRA	CERCLA	SARA 313	SARA 311/312			CLEAN AIR ACT		CLEAN WATER ACT
						FIRE	REACTIVITY	ACUTE	CHRONIC	PRESSURE	
1	Yes	-	-	-	-	-	-	-	-	-	-
2	Yes	-	-	-	-	Yes	-	-	-	-	-
3	Yes	-	-	-	-	Yes	-	Yes	-	-	-

United States - State Regulations

ID	CA P-65	DE RQ	MA RTK CODES	ME TYPE RQ	RTK	MN AIR	WATER	NJ RTK	AIR	NY LAND	ACUTE	PA LISTED	WA PEL TWA	WI TABLE	WV 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 SVHC	1999/45/EC or 67/548/EEC CLASSIFICATION	HAZARD CODES	1272/2008 CLP 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
-	-

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.



SAFETY DATA SHEET

GHS COMPLIANT

Ballistol Multi-Purpose

Part No. (See Section 1) Aerosol

Revision 6 / August 04, 2014

Page 8 of 9

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.
Revision 6, 08/04/2014 Updated formula for VOC Compliance, see Section 9.

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/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>)

Abbreviations Used

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



SAFETY DATA SHEET

GHS COMPLIANT

Ballistol Multi-Purpose

Part No. (See Section 1) Aerosol

Revision 6 / August 04, 2014

Page 9 of 9

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*