

Ballistol Multi-Purpose Liquid

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1 - IDENTIFICATION

1.1 Product Identifier

Product Name : Ballistol Multi-Purpose Liquid
Manufacturer Product Number : W5860CT, W5862CT & W5958CT

1.2 Other Means of Identification

Other Identifiers : #120045 - 4 fl. oz.
#120076 - 16 fl. oz.
#160003 - 1 gallon
#170002 - 5 gallon
#190000 - 55 gallon
#120052 - Ballistol Wipes (Individual)
#120106 - Ballistol Wipes (Box of 10 Individual Wipes)

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

Recommended Use : Multi-purpose lubricant
Restrictions on Use : None Identified

1.4 Supplier Details

	Manufacturer Details	Supplier Details
Company Name	Chem-Pak Inc	Washington Trading Company, Inc. - BALLISTOL USA
Address	242 Corning Way, Martinsburg, WV 25405 - United States	500 Sand Dune Drive/ Units A & B / PO Box 900, Kitty Hawk, NC 27949 - United States
Phone Number	304-262-1880	252-261-6181
Fax Number	302-262-9643	252-261-0408
Email	msds@chem-pak.com	
Website	http://www.chem-pak.com	

1.5 24 hr Emergency Phone Number

Emergency Number : 800-255-3924

SECTION 2 - HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Flam. Liq. 3 H226 Physical Hazards Flammable liquids Category 3
Asp. Tox. 1 H304 Health Hazards Aspiration hazard Category 1

2.2 Label Elements

Hazard Pictograms



GHS02



GHS08

Signal Word

Danger

Hazard Statements

H226 : Flammable liquid and vapour
H304 : May be fatal if swallowed and enters airways

Precautionary Statements

P210 : Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 : Keep container tightly closed.
P240 : Ground/Bond container and receiving equipment
P241 : Use explosion-proof electrical/ventilating/lighting equipment
P242 : Use only non-sparking tools.
P243 : Take precautionary measures against static discharge.



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- P280 : Wear protective gloves and eye protection.
P301+P310 : If swallowed: Immediately call POISON CENTER
P303+P361+P353 : If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P331 : Do NOT induce vomiting.
P370+P378 : In case of fire: Use water, CO2, dry chemical, or universal aqueous film forming foam to extinguish.
P403+P235 : Store in a well-ventilated place. Keep cool.
P405 : Store locked up.
P501 : Dispose of contents/container to local regulations

2.3 Other Hazards Which Do Not Result In Classification

Hazards Not Otherwise Classified : None Identified.

2.4 Unknown acute toxicity

20% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
20% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance / Mixture

Substance / Mixture : Mixture

3.2 Composition

Substance name	CAS Number	% wt*	Classification
White Mineral Oil	8042-47-5	>= 60	Asp. Tox. 1, H304
Proprietary Petroleum Distillate	Trade Secret	10 - 30	Flam. Liq. 3, H226

Full text of hazard classes and H-statements : see section 16

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4 - FIRST-AID MEASURES

4.1 Description of First-Aid Measures

- General Measures : Call a physician immediately.
Inhalation : Remove person to fresh air and keep comfortable for breathing.
Skin Contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.
Eye Contact : Rinse eyes with water as a precaution.
Ingestion : Do NOT induce vomiting. Call a physician immediately.
First-Aid Responder Protection : Wear adequate personal protective equipment based on the nature and severity of the emergency.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

- Symptoms of Exposure : Eye Irritation, Nose Irritation, Throat Irritation, Liver Damage, Kidney Damage, Dermatitis, Skin Irritation, Headache, Dizziness, Diarrhea.
Delayed Effects : No known delayed effects.
Immediate Effects : Aspiration hazard.
Chronic Effects : No known chronic effects.
Target Organs : Central Nervous System, Eyes, Liver, Respiratory System, Skin, Kidneys.

4.3 Indication of Immediate Medical Attention and Special Treatment

- Notes to Physician : Treat symptomatically.
Specific Treatments/Antidotes : No Information Available.
Medical Conditions Aggravated : May aggravate personnel with pre-existing disorders associated with any of the Target Organs.

SECTION 5 - FIRE-FIGHTING MEASURES



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5.1 Suitable Extinguishing Media

Extinguishing Media : Water, carbon dioxide, dry chemical, universal aqueous film forming foam.
Unsuitable Media : Water jet.

5.2 Specific Hazards Arising from the Chemical or Mixture

Hazardous Combustion Products : Decomposition products may include: oxides of carbon, smoke, vapors. See also Section 10.6.
Specific Hazards During Firefighting : Flammable. 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 an ignition source.

5.3 Special Protective Actions for Fire-Fighters

Firefighting Instructions : Use water spray to cool fire exposed containers, as contents can rupture violently from heat developed pressure.
Protection during Firefighting : Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 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 Personnel : Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel above.

6.2 Environmental Precautions

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

6.3 Methods and Materials for Containment and Cleaning up

Containment Procedures : Released content may be contained with oil/solvent absorbent pads, booms, and/or absorbents.
Cleanup Procedures : 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 : The North American Emergency Response Guidebook 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

7.1 Precautions for Safe Handling

General Handling Precautions : KEEP OUT OF THE REACH OF CHILDREN. When using in spray application, conformance to NFPA 33 Spray Application using Flammable and Combustible Materials is recommended.
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.

7.2 Conditions for Safe Storage Including Any Incompatibilities

Storage Requirements : Storage of flammable materials should conform to NFPA 30 Flammable and Combustible Liquid. Keep containers tightly closed and stored in a well-ventilated place. Keep away from sources of ignition.
Incompatibilities : Segregate storage away from materials indicated in Section 10.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

White Mineral Oil (8042-47-5)

ACGIH	ACGIH TWA (ppm)	5 mg/m ³ Oil Mist
OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³ Oil Mist
NIOSH	NIOSH REL (TWA) (mg/m ³)	5 mg/m ³ Oil Mist



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White Mineral Oil (8042-47-5)

NIOSH	NIOSH REL (STEL) (mg/m ³)	10 mg/m ³ Oil Mist
California	California PEL (TWA) (mg/m ³)	5 mg/m ³

8.2 Exposure 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.
Personal Protective Equipment	
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.
Hand Protection	: Chemical-resistant gloves, tested according to ASTM F903 - 17.
Remarks	: Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to the place of work.
Skin and Body Protection	: 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.
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.
Compliance	: If needed, compliance with OSHA standard 29 CFR 1910.134 is necessary.
Other Protective Equipment	: Safety showers and eye-wash stations should be available in the workplace near where the material will be used.
Environmental Exposure Controls	: Avoid release to the environment.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Properties

Boiling Point	> 0.00 °C	Melting / Freezing Point	> -60.00 °C
Flash Point, Liquid	> 47.00 °C		
Explosive Limits	LEL: 1.10 UEL: 6.20 vol %	Autoignition Temperature, Liquid	200.00 °C
Flammability	Flammable Liquid	Density	0.328 g/cm ³
Molecular Weight	Not Available	Weight	2.737 lbs/gal
Vapor Pressure	Not Available	pH	Not Available
Vapor Density	Not Available	Evaporation Rate (nBAC=1)	Not Available
Viscosity	Not Available	Partition Coefficient (Log Pow)	Not Available
Odor Threshold	Not Available	Refractive Index	Not Available
Physical State	Liquid	Heat Of Combustion	Not Available
Appearance / Color	Yellowish	Water Solubility	Not Available
Odor	Characteristic	Decomposition Temperature	Not Available

9.2 Environmental Properties

Percent Volatile	0.09 % wt	VOC Regulatory	19.97 g/L (0.17 lbs/gal)
Percent VOC	0.09 % wt	VOC Actual	0.28 g/L (0.00 lbs/gal)
Percent HAP	0.00 % wt	HAP Content	0.00 g/L (0.00 lbs/gal)
Global Warming Potential	0.00 GWP	Maximum Incremental Reactivity	0.0030 g O3/g
Ozone Depletion Potential	0.00 ODP		

SECTION 10 - STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity	: No specific test data related to reactivity is available for this products or its ingredients.
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10.2 Chemical Stability

Chemical Stability	: This product is stable.
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10.3 Possibility of Hazardous Reactions

Hazardous Reactions : Under normal conditions of storage and use, hazardous reactions are not expected to occur.

10.4 Conditions to Avoid

Conditions to Avoid : None Identified.

10.5 Incompatible Materials

Materials to Avoid : Strong Oxidizing Agents, Hydrogen Peroxide, Perchloric Acid.

10.6 Hazardous Decomposition Products

Thermal Decomposition : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

White Mineral Oil (CAS: 8042-47-5 / EC: 232-455-8)

LD50 Oral (Rat)	> 5000 mg/kg body weight (ChemInfo)
LD50 Dermal (Rabbit)	> 2000 mg/kg body weight (ChemInfo)

Proprietary Petroleum Distillate (CAS: Trade Secret / EC:)

LD50 Oral (Rat)	> 5000 mg/kg (External SDS)
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Routes Of Exposure	: Eye Contact, Ingestion, Skin Contact, Inhalation.
Delayed and Immediate Effects and Also Chronic Effects from Short and Long Term Exposure	: See Section 4.2
Skin Corrosion/Irritation	: Not classified
Eye Damage/Irritation	: Not classified
Respiratory or Skin Sensitization	: Not classified
Germ Cell Mutagenicity	: Not classified
Reproductive Toxicity	: Not classified
STOT-Single Exposure	: Not classified
STOT-Repeated Exposure	: Not classified
Aspiration Hazard	: May be fatal if swallowed and enters airways.
Carcinogen Data	: None of the ingredients in the product are listed with OSHA, IARC, NTP or ACGIH as being a suspected or known carcinogen in a concentration greater than 0.1% by weight.

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Ecotoxicity and Ecological Properties

White Mineral Oil (8042-47-5)

LC50 Fish	> 100 mg/l Rainbow Trout - 96hr
EC50 Daphnia	> 100 mg/l Water Flea - 48hr
Persistence and Degradability	Biodegradability 24% / 28 days.
Log Pow	> 6 (Calculated)
Bioaccumulative Potential	High potential for bioaccumulation (Log Kow > 5).

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Waste Disposal	: Product is suitable for burning in an enclosed, controlled burner for fuel value. Hazard characteristics and regulatory waste stream classification can change with product use and location. Accordingly, 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 gallons or larger), or for containers not suitable for



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landfill, a licensed reconditioner should be used.

Landfill Precautions : Not Available.
Incineration Precautions : Not Available.

SECTION 14 - TRANSPORTATION INFORMATION

14.1 UN Number DOT (USA) IATA (AIR) IMDG (OCEAN)

UN Number : UN1993 UN1993 UN1993

14.2 UN Proper Shipping Name DOT (USA) IATA (AIR) IMDG (OCEAN)

UN Proper Shipping Name : Flammable Liquid, NOS (Contains White Mineral Oil) Flammable Liquid, NOS (Contains White Mineral Oil) Flammable Liquid, NOS (Contains White Mineral Oil)

14.3 Transport Hazard Class(es) DOT (USA) IATA (AIR) IMDG (OCEAN)

Transport Hazard Class(es) : 3 3 3
Labels : 3 - Flammable liquid 3 - Flammable liquid 3 - Flammable liquid



EmS Code : Not Applicable Not Applicable F-E, S-E

14.4 Packing Group DOT (USA) IATA (AIR) IMDG (OCEAN)

Packing Group : III III III

14.5 Environmental Hazards DOT (USA) IATA (AIR) IMDG (OCEAN)

Marine Pollutant : No No No

14.6 Special Precautions

Precautions : None Identified

14.7 Transport in Bulk

Remarks : Not applicable for product as supplied

SECTION 15 - REGULATORY INFORMATION

15.1 Federal Regulations

SARA Section 313 : This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

TSCA Section 12(b) : This product or mixture is not known to contain a chemical or chemicals subject to the export notification requirements of section 12(b) of the Toxic Substances Control Act (TSCA) and 40 CFR Part 707, subpart D

CERCLA Reportable Quantity : This product or mixture is not known to contain a chemical or chemicals subject to the release reporting requirements of section 102 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

SARA Section 311/312 Hazard Classes : None under normal use.

TSCA Inventory (United States) : All chemical substances in this product are either listed on the Toxic Substances Control Act (TSCA) Inventory or are in compliance with a TSCA Inventory exemption.

15.2 State Regulations

California Proposition 65 : This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

State Right-to-Know Lists : The following chemical(s) appear on one or more state RTK (Right to Know) lists as indicated



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Diisobutyl Ketone (108-83-8)

U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16 - OTHER INFORMATION

Indication of changes

Section	Changed item	Change
1	Supersedes	Added
1	SDS US Regulation reference	Added
1	Revision date	Modified
1	Date of issue	Modified
1	Other means of identification	Modified
3	Composition/Information on ingredients	Modified
8.2	Compliance	Added
8.2	Remarks	Added
8.2	Hand Protection	Added
8.2	Environmental Exposure Controls	Added
8.2	Appearance	Added
8.2	Respiratory Protection	Added
14	EmS Code (Column 15 in IMDG Book 2)	Added

Full Text of H-Statements

H Code	H Phrase
H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways

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.