

SAFETY DATA SHEET

Part No. P5130CT (Aerosol)

Print Date: 11/28/2018
Revision Date: 11/28/2018
Supersedes Date: 10/18/2016
Issue Date: 4/27/2006
Version: 5.0 (EN)-US
Page: 1/12

3068 MOLY

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

SECTION 1 - IDENTIFICATION

1.1 Product Identifier

Product Name : 3068 MOLY
Manufacturer Product Number : P5130CT
Supplier Product Numbers : 3068

1.2 Other Means of Identification

Other Identifiers : Not Available

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

Recommended Use : Gun Lubricant
Restrictions on Use : None Identified

1.4 Supplier Details

	Manufacturer Details	Supplier Details
Company Name		Bushnell Holdings Inc.
Address		22101 West 167th St., Olathe, KS 66062 - United States
Phone Number		1-800-423-3537
Fax Number		
Email		dangerous.goods@vistaoutdoor.com
Website		

1.5 24 hr Emergency Phone Number

Emergency Number : Emergency Telephone Number (Hazardous Material/Dangerous Goods Transportation Emergency ONLY)
Emergency number: 1-800-424-9300 (Inside US), 01-703-527-3887 (Outside US) - (CHEMTREC, Day or Night)

SECTION 2 - HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Flam. Aerosol 1	H222	Physical Hazards	Flammable aerosol Category 1
Press. Gas (Diss.)	H280	Physical Hazards	Gases under pressure Dissolved gas
Acute Tox. 4 (Oral)	H302	Health Hazards	Acute toxicity (oral) Category 4
Eye Irrit. 2	H319	Health Hazards	Serious eye damage/eye irritation Category 2
Carc. 1a	H350	Health Hazards	Carcinogenicity Category 1A
Repr. 2	H361	Health Hazards	Reproductive toxicity Category 2
Stot Se 1	H370	Health Hazards	Specific target organ toxicity (single exposure) Category 1
Stot Se 3	H336	Health Hazards	Specific target organ toxicity (single exposure) Category 3, Narcosis

2.2 Label Elements

Hazard Pictograms



GHS02



GHS04



GHS07



GHS08

Signal Word

Danger

Hazard Statements

H222 : Extremely flammable aerosol
H280 : Contains gas under pressure; may explode if heated
H302 : Harmful if swallowed
H319 : Causes serious eye irritation

SAFETY DATA SHEET

Part No. P5130CT (Aerosol)

Print Date: 11/28/2018
Revision Date: 11/28/2018
Supersedes Date: 10/18/2016
Issue Date: 4/27/2006
Version: 5.0 (EN)-US
Page: 2/12

3068 MOLY

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

	<i>H336</i>	: <i>May cause drowsiness or dizziness</i>
	<i>H350</i>	: <i>May cause cancer</i>
	<i>H361</i>	: <i>Suspected of damaging fertility or the unborn child</i>
	<i>H370</i>	: <i>Causes damage to organs</i>
Precautionary Statements	<i>P202</i>	: <i>Do not handle until all safety precautions have been read and understood.</i>
	<i>P210</i>	: <i>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</i>
	<i>P211</i>	: <i>Do not spray on an open flame or other ignition source.</i>
	<i>P251</i>	: <i>Pressurized container: Do not pierce or burn, even after use.</i>
	<i>P260</i>	: <i>Do not breathe spray.</i>
	<i>P264</i>	: <i>Wash hands thoroughly after handling.</i>
	<i>P270</i>	: <i>Do not eat, drink or smoke when using this product.</i>
	<i>P271</i>	: <i>Use only outdoors or in a well-ventilated area.</i>
	<i>P280</i>	: <i>Wear protective gloves and eye protection.</i>
	<i>P301+P312</i>	: <i>If swallowed: Call POISON CENTER if you feel unwell</i>
	<i>P304+P340</i>	: <i>If inhaled: Remove person to fresh air and keep comfortable for breathing</i>
	<i>P305+P351+P338</i>	: <i>If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</i>
	<i>P308+P313</i>	: <i>If exposed or concerned: Get medical advice/attention.</i>
	<i>P312</i>	: <i>Call physician if you feel unwell</i>
	<i>P330</i>	: <i>Rinse mouth.</i>
	<i>P337+P313</i>	: <i>If eye irritation persists: Get medical advice/attention.</i>
	<i>P403</i>	: <i>Store in a well-ventilated place.</i>
	<i>P410+P412</i>	: <i>Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.</i>
	<i>P501</i>	: <i>Dispose of contents/container to local regulations</i>

2.3 Other Hazards Which Do Not Result In Classification

Hazards Not Otherwise Classified : *None Identified.*

2.4 Unknown acute toxicity

35% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
40% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance / Mixture

Substance / Mixture : *Mixture*

3.2 Composition

Substance name	CAS Number	% wt*	Classification
<i>Acetone</i>	<i>67-64-1</i>	<i>30 - 60</i>	<i>Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336</i>
<i>Propane</i>	<i>74-98-6</i>	<i>10 - 30</i>	<i>Flam. Gas 1, H220 Press. Gas (Diss.), H280</i>
<i>N-Butane</i>	<i>106-97-8</i>	<i>10 - 30</i>	<i>Flam. Gas 1, H220 Press. Gas (Diss.), H280</i>
<i>Isobutane</i>	<i>75-28-5</i>	<i>5 - 10</i>	<i>Flam. Gas 1, H220 Press. Gas (Diss.), H280</i>
<i>Molybdenum Disulphide</i>	<i>1317-33-5</i>	<i>5 - 10</i>	<i>Not classified</i>
<i>Methanol</i>	<i>67-56-1</i>	<i>1 - 5</i>	<i>Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:vapour), H331 STOT SE 1, H370</i>

SAFETY DATA SHEET

Part No. P5130CT (Aerosol)

Print Date: 11/28/2018
 Revision Date: 11/28/2018
 Supersedes Date: 10/18/2016
 Issue Date: 4/27/2006
 Version: 5.0 (EN)-US
 Page: 3/12

3068 MOLY

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

Substance name	CAS Number	% wt*	Classification
Toluene	108-88-3	0.1 - 1	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 2, H401
Quartz	14808-60-7	0.1 - 1	Acute Tox. 4 (Oral), H302 Carc. 1A, H350

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	: If exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.
Inhalation	: Remove person to fresh air and keep comfortable for breathing.
Skin Contact	: Wash skin with plenty of water.
Eye Contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	: Rinse mouth. Call a poison center or a doctor if you feel unwell.
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, Dermatitis, Central Nervous System Depression, Confusion, Skin Irritation, Headache, Dizziness, Nausea, Narcosis, Upper Respiratory Tract Irritation, Drowsiness, Vomiting, Optical Nerve Damage.
Delayed Effects	: No known delayed effects.
Immediate Effects	: No known immediate effects.
Chronic Effects	: Methyl alcohol may be fatal or cause blindness if swallowed. Because of defatting properties, repeated skin contact can cause skin damage such as chap, dermatitis, inflammation and the formation of eczema.
Target Organs	: Central Nervous System, Eyes, Gastrointestinal Tract, Liver, Reproductive System, 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

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	: Contents under pressure. Extremely 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 aerosol 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.

SAFETY DATA SHEET

Part No. P5130CT (Aerosol)

Print Date: 11/28/2018
Revision Date: 11/28/2018
Supersedes Date: 10/18/2016
Issue Date: 4/27/2006
Version: 5.0 (EN)-US
Page: 4/12

3068 MOLY

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

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** : 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.
- 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.
- 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. Avoid prolonged or repeated skin contact. 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. 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 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.
- Incompatibilities** : Segregate storage away from materials indicated in Section 10.
- NFPA 30B Classification** : This product is classified as a Level 3 Aerosol per NFPA 30B

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

N-Butane (106-97-8)

ACGIH	ACGIH TWA (mg/m ³)	1000 ppm
OSHA	OSHA PEL (TWA) (ppm)	800 ppm
NIOSH	NIOSH REL (TWA) (mg/m ³)	1900
NIOSH	NIOSH REL (TWA) (ppm)	800 ppm
California	California PEL (TWA) (mg/m ³)	1900 mg/m ³
California	California PEL (TWA) (ppm)	800 ppm

Propane (74-98-6)

OSHA	OSHA PEL (TWA) (mg/m ³)	1800 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm

SAFETY DATA SHEET

Part No. P5130CT (Aerosol)

Print Date: 11/28/2018
Revision Date: 11/28/2018
Supersedes Date: 10/18/2016
Issue Date: 4/27/2006
Version: 5.0 (EN)-US
Page: 5/12

3068 MOLY

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

Propane (74-98-6)

NIOSH	US IDLH (ppm)	2100 ppm
NIOSH	NIOSH REL (TWA) (mg/m ³)	1800 mg/m ³
NIOSH	NIOSH REL (TWA) (ppm)	1000 ppm
California	California PEL (TWA) (mg/m ³)	1800 mg/m ³
California	California PEL (TWA) (ppm)	1000 ppm

Isobutane (75-28-5)

ACGIH	ACGIH TWA (mg/m ³)	1000 ppm
NIOSH	NIOSH REL (TWA) (mg/m ³)	1900 mg/m ³
NIOSH	NIOSH REL (TWA) (ppm)	800 ppm

Acetone (67-64-1)

ACGIH	ACGIH TWA (mg/m ³)	250 ppm
ACGIH	ACGIH Ceiling (mg/m ³)	500 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	2400 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
NIOSH	US IDLH (ppm)	2500 ppm
NIOSH	NIOSH REL (TWA) (ppm)	250 ppm
California	California PEL (TWA) (mg/m ³)	1200 mg/m ³
California	California PEL (TWA) (ppm)	500 ppm
California	California PEL (STEL) (mg/m ³)	1780 mg/m ³
California	California PEL (STEL) (ppm)	750 ppm
California	California PEL (Ceiling) (ppm)	3000 ppm
Biological Exposure Index	Acetone in urine, End of shift (Ns)	25 mg/l

Toluene (108-88-3)

ACGIH	ACGIH TWA (mg/m ³)	20 ppm
ACGIH	ACGIH Ceiling (mg/m ³)	150 ppm
OSHA	OSHA PEL (TWA) (ppm)	200 ppm
OSHA	OSHA PEL (Ceiling) (ppm)	300 ppm
NIOSH	US IDLH (ppm)	500 ppm
NIOSH	NIOSH REL (TWA) (ppm)	100 ppm
NIOSH	NIOSH REL (STEL) (ppm)	150 ppm
California	California PEL (TWA) (mg/m ³)	37 mg/m ³
California	California PEL (TWA) (ppm)	10 ppm
California	California PEL (STEL) (mg/m ³)	560 mg/m ³
California	California PEL (STEL) (ppm)	150 ppm
California	California PEL (Ceiling) (ppm)	500 ppm
Biological Exposure Index	Toluene in blood, Prior to last shift of workweek	0.02 mg/l
Biological Exposure Index	Toluene in urine, End of shift	0.03 mg/l
Biological Exposure Index	o-Cresol in urine (with hydrolysis), End of shift (B)	0.3 mg/g creatinine

Methanol (67-56-1)

ACGIH	ACGIH TWA (mg/m ³)	200 ppm
ACGIH	ACGIH Ceiling (mg/m ³)	250 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	260 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	200 ppm
NIOSH	US IDLH (ppm)	6000 ppm
NIOSH	NIOSH REL (TWA) (ppm)	200 ppm
California	California PEL (TWA) (mg/m ³)	260 mg/m ³
California	California PEL (TWA) (ppm)	200 ppm
California	California PEL (STEL) (mg/m ³)	325 mg/m ³
California	California PEL (STEL) (ppm)	250 ppm
California	California PEL (Ceiling) (ppm)	1000 ppm
Biological Exposure Index	Methanol in Urine, End of shift (B,Ns)	15 mg/l

Quartz (14808-60-7)

ACGIH	ACGIH TWA (ppm)	0.025 mg/m ³
OSHA	OSHA PEL (TWA) (mg/m ³)	30 mg/m ³
NIOSH	US IDLH (mg/m ³)	25 mg/m ³
NIOSH	NIOSH REL (TWA) (mg/m ³)	0.05 mg/m ³

SAFETY DATA SHEET

Part No. P5130CT (Aerosol)

Print Date: 11/28/2018
Revision Date: 11/28/2018
Supersedes Date: 10/18/2016
Issue Date: 4/27/2006
Version: 5.0 (EN)-US
Page: 6/12

3068 MOLY

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

Molybdenum Disulphide (1317-33-5)

ACGIH	ACGIH TWA (ppm)	3 mg/m ³ Respirable particulate matter
OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³
California	California PEL (TWA) (mg/m ³)	10 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	> 55.60 °C	Melting / Freezing Point	> -98.00 °C
Flash Point, Liquid	> -17.20 °C	Flash Point, Propellant	-104.40 °C
Explosive Limits	LEL: 1.20 UEL: 36.00 vol %	Autoignition Temperature, Liquid	> 315.00 °C
Flammability	Extremely Flammable Aerosol	Density	0.709 g/cm ³
Molecular Weight	Not Available	Weight	5.917 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	Pressurized Product	Heat Of Combustion	13913.06 BTU/lb
Appearance / Color	Black	Water Solubility	Not Available
Odor	Paint-like	Decomposition Temperature	Not Available

9.2 Environmental Properties

Percent Volatile	94.05 % wt	VOC Regulatory	616.05 g/L (5.14 lbs/gal)
Percent VOC	39.45 % wt	VOC Actual	279.70 g/L (2.33 lbs/gal)
Percent HAP	4.45 % wt	HAP Content	31.55 g/L (0.26 lbs/gal)
Global Warming Potential	1.61 GWP	Maximum Incremental Reactivity	0.5820 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.

10.2 Chemical Stability

Chemical Stability : This product is stable.

SAFETY DATA SHEET

Part No. P5130CT (Aerosol)

Print Date: 11/28/2018
Revision Date: 11/28/2018
Supersedes Date: 10/18/2016
Issue Date: 4/27/2006
Version: 5.0 (EN)-US
Page: 7/12

3068 MOLY

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

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 : Electrostatic Discharge, Other Ignition Sources, Heat, Flames, Sparks.

10.5 Incompatible Materials

Materials to Avoid : Strong Oxidizing Agents, Strong Reducing Agents, Alkali Metals, Strong Acids, Potassium t-Butoxide, Halogen Compounds, Hydrogen Peroxide, Magnesium, Potassium Chlorate.

10.6 Hazardous Decomposition Products

Thermal Decomposition : Oxides of carbon, Oxides of sulfur, Aldehydes, Formaldehyde, Methanol, Acetic Acid, Oxides of Molybdenum, Hydrogen Sulfide.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

N-Butane (CAS: 106-97-8 / EC: 203-448-7)

LC50 Inhalation (Rat)	658 mg/l/4h (ChemInfo)
LC50 Inhalation (Rat)	276000 ppm/4h (ChemInfo)

Propane (CAS: 74-98-6 / EC: 200-827-9)

LC50 Inhalation (Rat)	658 mg/l/4h (Lit.)
-----------------------	--------------------

Isobutane (CAS: 75-28-5 / EC: 200-857-2)

LC50 Inhalation (Rat)	368000 ppm/4h (ChemInfo)
-----------------------	--------------------------

Acetone (CAS: 67-64-1 / EC: 200-662-2)

LD50 Oral (Rat)	5800 mg/kg (Sigma-Aldrich)
LD50 Dermal (Rabbit)	20000 mg/kg (IUCLID)
LC50 Inhalation (Rat)	76 mg/l/4h (GESTIS Substance Database)

Toluene (CAS: 108-88-3 / EC: 203-625-9)

LD50 Oral (Rat)	> 2000 mg/kg (Lit.)
LD50 Dermal (Rabbit)	12124 mg/kg (IUCLID)
LC50 Inhalation (Rat)	> 20 mg/l/4h (Lit.)

Methanol (CAS: 67-56-1 / EC: 200-659-6)

LD50 Oral (Rat)	5850 mg/kg (ChemInfo)
LD50 Dermal (Rabbit)	15800 mg/kg (RTECS)
LC50 Inhalation (Rat)	131.25 mg/l/4h (ECHA)
LC50 Inhalation (Rat)	64000 ppm/4h (ChemInfo)

Quartz (CAS: 14808-60-7 / EC: 238-878-4)

LD50 Oral (Rat)	500 mg/kg (ChemInfo)
-----------------	----------------------

Molybdenum Disulphide (CAS: 1317-33-5 / EC: 215-263-9)

LD50 Oral (Rat)	> 2000 mg/kg (RTECS)
LD50 Dermal (Rat)	> 16000 mg/kg (External SDS)
LC50 Inhalation (Rat)	> 2.82 mg/l/4h (ChemInfo)

Routes Of Exposure : Eye Contact, Ingestion, Skin Contact, Inhalation, Skin Absorption.

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 : Causes serious eye irritation.

Respiratory or Skin Sensitization : Not classified

Germ Cell Mutagenicity : Not classified

SAFETY DATA SHEET

Part No. P5130CT (Aerosol)

Print Date: 11/28/2018
Revision Date: 11/28/2018
Supersedes Date: 10/18/2016
Issue Date: 4/27/2006
Version: 5.0 (EN)-US
Page: 8/12

3068 MOLY

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

Reproductive Toxicity : Suspected of damaging fertility or the unborn child.
STOT-Single Exposure : Causes damage to organs. May cause drowsiness or dizziness.
STOT-Repeated Exposure : Not classified
Aspiration Hazard : Not classified
Vaporizer : Aerosol
Carcinogen Data : The following ingredients are listed as known or suspected carcinogens:

Quartz (CAS: 14808-60-7 / EC: 238-878-4)

IARC group	1 - Carcinogenic to Humans
National Toxicity Program (NTP) Status	2 - Known Human Carcinogens
ACGIH Category	A1 - Confirmed human carcinogen

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Ecotoxicity and Ecological Properties

n-Butane (106-97-8)

Persistence and Degradability	Readily biodegradable in water.
Bioconcentration Factor	33.52
Log Pow	2.89
Bioaccumulative Potential	Low potential for bioaccumulation (Log Kow < 4).
Log Koc	1.641

Propane (74-98-6)

Persistence and Degradability	Readily biodegradable in water. Not applicable (gas). Photodegradation in the air.
BCF Fish	9 - 25 (BCF)
Log Pow	2.28 (Calculated)
Bioaccumulative Potential	Low potential for bioaccumulation (Log Kow < 4).

Isobutane (75-28-5)

Persistence and Degradability	Readily biodegradable in water. Biodegradable in the soil. Not applicable (gas).
BCF Fish	26.62
Log Pow	2.76
Bioaccumulative Potential	Low potential for bioaccumulation (BCF < 500).
Log Koc	1.545

Acetone (67-64-1)

LC50 Fish	5540 mg/l Rainbow Trout - 96hr
LC50 Fish	8300 mg/l Bluegill Sunfish - 96h
EC50 Daphnia	8800 mg/l Water Flea - 48hr
Persistence and Degradability	Biodegradability 90% / 28 days.
Biochemical Oxygen Demand	1.43 g O ₂ /g substance
Chemical Oxygen Demand	1.92 g O ₂ /g substance
Theoretical Oxygen Demand	2.2 g O ₂ /g substance
BCF Fish	0.69
BCF Other Aquatic Organisms	3
Log Pow	-0.24

Toluene (108-88-3)

LC50 Fish	5.8 mg/l Rainbow Trout - 96hr
LC50 Other Aquatic Organisms	10 mg/l Green Algae - 72hr
EC50 Daphnia	6 mg/l Water Flea - 48hr
Persistence and Degradability	Readily biodegradable in water. Biodegradable in the soil. Low potential for absorption in soil.
Biochemical Oxygen Demand	2.15 g O ₂ /g substance
Chemical Oxygen Demand	2.52 g O ₂ /g substance
Theoretical Oxygen Demand	3.13 g O ₂ /g substance
Biodegradation	86 % 28 Days
Log Pow	2.73 (Experimental Value)
Bioaccumulative Potential	Low potential for bioaccumulation (BCF < 500).
Log Koc	2.15

SAFETY DATA SHEET

Part No. P5130CT (Aerosol)

Print Date: 11/28/2018
Revision Date: 11/28/2018
Supersedes Date: 10/18/2016
Issue Date: 4/27/2006
Version: 5.0 (EN)-US
Page: 9/12

3068 MOLY

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

Methanol (67-56-1)	
LC50 Fish	15400 mg/l Bluegill Sunfish - 96h
EC50 Daphnia	> 10000 mg/l Water Flea - 48hr
EC50 Other Aquatic Organisms	22000 mg/l Freshwater Algae - 96hr
Persistence and Degradability	Biodegradability 72% / 5 days.
Biochemical Oxygen Demand	0.6 - 1.12 g O ₂ /g substance
Chemical Oxygen Demand	1.42 g O ₂ /g substance
Theoretical Oxygen Demand	1.5 g O ₂ /g substance
BCF Fish	< 10 (BCF; 72 h; <i>Leuciscus idus</i>)
Log Pow	-0.77 (Experimental value; Other)
Bioaccumulative Potential	Low potential for bioaccumulation (BCF < 500).
Log Koc	0.44

Quartz (14808-60-7)	
Persistence and Degradability	Biodegradability: not applicable. No (test) data on mobility of the substance available.
Biochemical Oxygen Demand	Not applicable
Chemical Oxygen Demand	Not applicable
Theoretical Oxygen Demand	Not applicable
Bioaccumulative Potential	No bioaccumulation data available.

Molybdenum Disulphide (1317-33-5)	
LC50 Fish	609 - 681 mg/l Rainbow Trout - 96hr
EC50 Daphnia	2847.5 mg/l Water Flea - 48hr
Persistence and Degradability	Biodegradability: not applicable. Adsorbs into the soil.
Biochemical Oxygen Demand	Not applicable
Chemical Oxygen Demand	Not applicable
Theoretical Oxygen Demand	Not applicable
Bioaccumulative Potential	No bioaccumulation data available.

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

- 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

14.1 UN Number	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
UN Number	UN1950	UN1950	UN1950

14.2 UN Proper Shipping Name	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
UN Proper Shipping Name	Aerosols, Limited Quantity	Aerosols, Flammable, Limited Quantity	Aerosols, Limited Quantity

14.3 Transport Hazard Class(es)	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Transport Hazard Class(es)	2.1	2.1	2.1
Labels	None	2.1 - Flammable gas	None



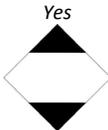
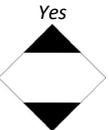
SAFETY DATA SHEET

Part No. P5130CT (Aerosol)

Print Date: 11/28/2018
Revision Date: 11/28/2018
Supersedes Date: 10/18/2016
Issue Date: 4/27/2006
Version: 5.0 (EN)-US
Page: 10/12

3068 MOLY

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

Limited Quantity	:		:		:	
EmS Code	:	Not Applicable	:	Not Applicable	:	F-D, S-U

14.4 Packing Group	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Packing Group	None	None	None

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 : Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Toluene	CAS-No. 108-88-3	< 1%
Methanol	CAS-No. 67-56-1	1 - 5%

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 : Chemical(s) subject to reporting requirements of Section 102 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) if released to the environment at or above the reportable quantity

Acetone	CAS-No. 67-64-1	5000 lb
Toluene	CAS-No. 108-88-3	1000 lb
Methanol	CAS-No. 67-56-1	5000 lb

TSCA Inventory (United States) : All chemical substances in this product are 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 contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Quartz (14808-60-7)	Cancer	Yes	%
Toluene (108-88-3)	Developmental Toxicity	Yes	0.55 %
Methanol (67-56-1)	Developmental Toxicity	Yes	3.9 %
Toluene (108-88-3)	No significance risk level (NSRL)	7000	

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

n-Butane (106-97-8)	U.S. - New Jersey - Right to Know Hazardous Substance List
Propane (74-98-6)	U.S. - New Jersey - Right to Know Hazardous Substance List
Isobutane (75-28-5)	U.S. - New Jersey - Right to Know Hazardous Substance List
Acetone (67-64-1)	U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

SAFETY DATA SHEET

Part No. P5130CT (Aerosol)

Print Date: 11/28/2018
Revision Date: 11/28/2018
Supersedes Date: 10/18/2016
Issue Date: 4/27/2006
Version: 5.0 (EN)-US
Page: 11/12

3068 MOLY

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

Toluene (108-88-3)	U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Methanol (67-56-1)	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Quartz (14808-60-7)	U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16 - OTHER INFORMATION

Indication of changes :

Section	Changed item	Change
1	Supplier Product Numbers	Added
1	Supersedes	Added
1	SDS US Regulation reference	Added
1	Revision date	Modified
1	Date of issue	Modified
2.1	GHS-US classification	Added
2.2	Precautionary statements (GHS US)	Added
2.2	ATE US (oral)	Added
4	Symptoms/effects after skin contact	Added
4	Symptoms/effects after inhalation	Added
4	Symptoms/effects after ingestion	Added
4	Symptoms/effects	Added
4	Symptoms/effects after eye contact	Added
4	Other medical advice or treatment	Added
4.1	First-aid measures general	Added
4.1	First-aid measures after ingestion	Added
4.1	First-aid measures after eye contact	Added
4.1	First-aid measures after skin contact	Added
4.1	First-aid measures after inhalation	Added
7.2	NFPA 30B Classification	Added
8.2	Compliance	Added
8.2	Environmental Exposure Controls	Added
8.2	Respiratory Protection	Added
8.2	Remarks	Added
8.2	Hand Protection	Added
8.2	Other Protective Equipment	Added
8.2	Eye / Face Protection	Added
8.2	Skin and Body Protection	Added
8.2	Engineering Measures	Added
8.2	Appropriate engineering controls	Added
9	Relative vapor density at 20 °C	Added
9	Melting point	Added
9	Flash point	Added
9	Explosive limits (vol %)	Added
9	Boiling point	Added
9	Auto-ignition temperature	Added
9	Specific gravity / density	Added
9	Explosive properties	Added
9	Gas group	Added
10	Incompatibilities	Added
10	Conditions to avoid	Added
10	Possibility of hazardous reactions	Added
10	Hazardous decomposition products	Added
12.1	Ecology - general	Added
14	User Precautions	Added
14	Ems Code (Column 15 in IMDG Book 2)	Added
15	Display TSCA summary in 15.1	Added
15	Display SARA 313 summary in 15.1	Added
15	Display California Proposition 65 summary in 15.3	Added

Full Text of H-Statements :

H Code	H Phrase
H220	<i>Extremely flammable gas</i>
H225	<i>Highly flammable liquid and vapour</i>
H280	<i>Contains gas under pressure; may explode if heated</i>
H301	<i>Toxic if swallowed</i>
H302	<i>Harmful if swallowed</i>
H304	<i>May be fatal if swallowed and enters airways</i>
H311	<i>Toxic in contact with skin</i>
H315	<i>Causes skin irritation</i>
H319	<i>Causes serious eye irritation</i>
H331	<i>Toxic if inhaled</i>
H336	<i>May cause drowsiness or dizziness</i>
H350	<i>May cause cancer</i>
H361	<i>Suspected of damaging fertility or the unborn child</i>
H370	<i>Causes damage to organs</i>
H373	<i>May cause damage to organs through prolonged or repeated exposure</i>
H401	<i>Toxic to aquatic life</i>

SAFETY DATA SHEET

Part No. P5130CT (Aerosol)

Print Date: 11/28/2018
Revision Date: 11/28/2018
Supersedes Date: 10/18/2016
Issue Date: 4/27/2006
Version: 5.0 (EN)-US
Page: 12/12

3068 MOLY

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

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.