



Molyslip (Canada) Inc.  
1145 Bellamy Road N., Unit 20  
Scarborough, ON, Canada, M1H 1H5  
Telephone: (416) 435 5523

Copaslip

SDS Preparation Date (mm/dd/yyyy): 08/16/2017

Page 1 of 10

## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION

Product identifier used on the label

: **Copaslip**

Product Code(s) : 3470-3479

Recommended use of the chemical and restrictions on use

: Corrosion inhibitor  
Use pattern: Professional Use Only  
Recommended restrictions: None known.

Chemical family : Mixture

Name, address, and telephone number  
of the supplier:

**Molyslip (Canada) Inc.**

1145 Bellamy Road N.  
Unit 20  
Scarborough, ON, Canada  
M1H 1H5

Supplier's Telephone # : 416-438-5523

**24 Hr. Emergency Tel #** : 24 Hr. Emergency Tel. # (613) 996-6666 (CANUTEC)

Name, address, and telephone number of  
the manufacturer:

Refer to supplier

### SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Solid ,copper coloured. Bland odor.

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Hazard classification :

Specific Target Organ Toxicity, Repeated Exposure - Category 2

Label elements

Hazard pictogram(s)



Signal Word

WARNING!

Hazard statement(s)

May cause damage to organs through prolonged or repeated exposure.

Precautionary statement(s)

Do not breathe dust or fume.  
Get medical advice/attention if you feel unwell.  
Dispose of contents/container in accordance with local regulation.



Copaslip

SDS Preparation Date (mm/dd/yyyy): 08/16/2017

Page 2 of 10

## SAFETY DATA SHEET

### Other hazards

Other hazards which do not result in classification:

Ingestion may cause irritation of the mouth, throat and stomach. Direct eye contact may cause slight or mild, transient irritation. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Inhalation of fumes may result in metal fume fever, a flu-like illness. Symptoms of metal fume fever may include fever, fatigue, vomiting, muscle aches and shortness of breath. Dust may form explosive mixture in air.

Environmental precautions:

Avoid release to the environment. Very toxic to aquatic life with long lasting effects. See ECOLOGICAL INFORMATION, Section 12.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Talc (containing no asbestos fibers)	Hydrous magnesium silicate	14807-96-6	40.00
Copper	Copper compounds	7440-50-8	10.00

### SECTION 4. FIRST-AID MEASURES

#### Description of first aid measures

- Ingestion* : Do not induce vomiting. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Get medical attention if symptoms persist.
- Inhalation* : Immediately remove person to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Call a POISON CENTER or doctor/physician if you feel unwell.
- Skin contact* : Wash affected areas with soap and water. Take off contaminated clothing and wash before re-use. Get medical attention if irritation develops and persists.
- Eye contact* : Flush with large amounts of water for 15 minutes. Remove contact lenses, if present and easy to do. If irritation or symptoms develop, seek medical attention.

#### Most important symptoms and effects, both acute and delayed

- : Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Direct skin contact may cause temporary redness. Inhalation of fumes may result in metal fume fever, a flu-like illness. Symptoms of metal fume fever may include fever, fatigue, vomiting, muscle aches and shortness of breath. Direct eye contact may cause temporary redness. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause damage to the lungs through prolonged or repeated exposure if inhaled.

#### Indication of any immediate medical attention and special treatment needed

- : Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing media

##### *Suitable extinguishing media*

- : Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.

##### *Unsuitable extinguishing media*

- : Do not use a solid water stream as it may scatter and spread fire.

#### Special hazards arising from the substance or mixture / Conditions of flammability

- : Dust may be ignited if suspended in air, however, not expected to be a significant fire risk.

Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.



Copaslip

SDS Preparation Date (mm/dd/yyyy): 08/16/2017

Page 3 of 10

## SAFETY DATA SHEET

### Flammability classification (OSHA 29 CFR 1910.106)

: Not flammable.

### Hazardous combustion products

: Metal oxides

### Special protective equipment and precautions for firefighters

#### *Protective equipment for fire-fighters*

: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. A full-body chemical resistant suit should be worn.

#### *Special fire-fighting procedures*

: Evacuate personnel to safe areas. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame. Dike for water control. Avoid release to the environment.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

: All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Keep all other personnel upwind and away from the spill/release. Restrict access to area until completion of clean-up. Refer to Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION, for additional information on acceptable personal protective equipment.

**Environmental precautions** : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. For large spills, dike the area to prevent spreading.

### Methods and material for containment and cleaning up

: Ventilate the area. Prevent further leakage or spillage if safe to do so. Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation. Contact the proper local authorities.

### Special spill response procedures

: If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).  
US CERCLA Reportable quantity (RQ): See section 15.

## SECTION 7. HANDLING AND STORAGE

### Precautions for safe handling

: Use only outdoors or in a well-ventilated area. Wear suitable protective equipment. Do not breathe dust or fume. Avoid contact with skin, eyes and clothing. Keep away from heat and flame. Keep away from incompatibles. Label containers appropriately. Wash thoroughly after handling. Keep containers closed when not in use. Avoid dust formation.

**Conditions for safe storage** : Store in a cool, dry, well-ventilated area. Store away from incompatibles and out of direct sunlight. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. No smoking in the area. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

**Incompatible materials** : Strong oxidizing agents ;Chlorine;Acetylene



Copaslip

SDS Preparation Date (mm/dd/yyyy): 08/16/2017

Page 4 of 10

## SAFETY DATA SHEET

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Exposure Limits:</b>			
<b>Chemical Name</b>	<b>ACGIH TLV</b>		<b>OSHA PEL</b>
	<b>TWA</b>	<b>STEL</b>	<b>PEL</b> <b>STEL</b>
Talc (containing no asbestos fibers)	2 mg/m <sup>3</sup> (respirable) (talc containing no asbestos)	N/Av	20 mppcf      N/Av
Copper	0.2 mg/m <sup>3</sup> (fume); 1 mg/m <sup>3</sup> (Dust and mist)	N/Av	0.1 mg/m <sup>3</sup> (fume); 1 mg/m <sup>3</sup> (Dust and mist)      N/Av

#### **Exposure controls**

##### **Ventilation and engineering measures**

: Provide exhaust ventilation or other engineering controls to keep the airborne concentration of vapours below their respective threshold limit value.

##### **Respiratory protection**

: Respiratory protection is required if the concentrations exceed the TLV. Use a NIOSH approved dust respirator if dust levels exceed exposure limits. Seek advice from respiratory protection specialists.

##### **Skin protection**

: Wear protective gloves. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

##### **Eye / face protection**

: Chemical goggles must be worn to prevent dusts from entering the eyes.

##### **Other protective equipment**

: Wear appropriate protective clothing to prevent skin contact, such as coveralls or long sleeved shirt, long pants, and shoes and socks. Wear protective gloves. An eyewash station and safety shower should be made available in the immediate working area. Other equipment may be required depending on workplace standards.

##### **General hygiene considerations**

: Do not breathe dust or fume. Avoid contact with skin, eyes and clothing. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	: Solid, copper coloured
<b>Odour</b>	: Bland odour.
<b>Odour threshold</b>	: No information available.
<b>pH</b>	: No information available.
<b>Melting/Freezing point</b>	: <-10°C
<b>Initial boiling point and boiling range</b>	: Not available.
<b>Flash point</b>	: >150°C
<b>Flashpoint (Method)</b>	: Pensky Martens Closed Cup
<b>Evaporation rate (BuAe = 1)</b>	: No information available.
<b>Flammability (solid, gas)</b>	: The product is not flammable.
<b>Lower flammable limit (% by vol.)</b>	: N/Av
<b>Upper flammable limit (% by vol.)</b>	: N/Av
<b>Oxidizing properties</b>	: None known.



Copaslip

SDS Preparation Date (mm/dd/yyyy): 08/16/2017

Page 5 of 10

## SAFETY DATA SHEET

**Explosive properties** : Dust may form explosive mixture in air.  
**Vapour pressure** : No information available.  
**Vapour density** : No information available.  
**Relative density / Specific gravity** : 1.1  
**Solubility in water** : Insoluble.  
**Other solubility(ies)** : No information available.  
**Partition coefficient: n-octanol/water or Coefficient of water/oil distribution** : Not applicable.  
**Auto-ignition temperature** : No information available.  
**Decomposition temperature** : No information available.  
**Viscosity** : Not applicable.  
**Volatiles (% by weight)** : No information available.  
**Volatile organic Compounds (VOC's)** : Nil  
**Absolute pressure of container** : N/Ap  
**Flame projection length** : N/Ap  
**Other physical/chemical comments** : No additional information.

### SECTION 10. STABILITY AND REACTIVITY

**Reactivity** : Not normally reactive.  
**Chemical stability** : Stable under normal conditions.  
**Possibility of hazardous reactions** : Hazardous polymerization does not occur.  
**Conditions to avoid** : Ensure adequate ventilation, especially in confined areas. Avoid contact with incompatible materials. Avoid dust formation.  
**Incompatible materials** : See Section 7 (Handling and Storage) for further details.  
**Hazardous decomposition products** : None known, refer to hazardous combustion products in Section 5.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure:

**Routes of entry inhalation** : YES  
**Routes of entry skin & eye** : YES  
**Routes of entry Ingestion** : YES  
**Routes of exposure skin absorption** : NO

#### Potential Health Effects:

##### Signs and symptoms of short-term (acute) exposure

###### *Sign and symptoms Inhalation*

- : Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Inhalation of fumes may result in metal fume fever, a flu-like illness. Symptoms of metal fume fever may include fever, fatigue, vomiting, muscle aches and shortness of breath.



Copaslip

SDS Preparation Date (mm/dd/yyyy): 08/16/2017

Page 6 of 10

## SAFETY DATA SHEET

### *Sign and symptoms ingestion*

: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### *Sign and symptoms skin*

: May cause mild skin irritation on prolonged contact.

### *Sign and symptoms eyes*

: Direct eye contact may cause slight redness.

### Potential Chronic Health Effects

: May cause damage to the lungs through prolonged or repeated exposure if inhaled.

### Mutagenicity

: Not expected to be mutagenic in humans.

### Carcinogenicity

: No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

### Reproductive effects & Teratogenicity

: Not expected to have other reproductive effects.

### Sensitization to material

: Not expected to be a skin or respiratory sensitizer.

### Specific target organ effects

: This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Specific target organ toxicity (STOT), repeated exposure - Category 2. May cause damage to the lungs through prolonged or repeated exposure if inhaled.

Not classified as a specific target organ toxicity-single exposure.

### Medical conditions aggravated by overexposure

: Pre-existing skin, eye and respiratory disorders.

### Synergistic materials

: No information available.

### Toxicological data

: See below for toxicological data on the substance.

<u>Chemical name</u>	<u>LC<sub>50</sub>(4hr)</u>	<u>LD<sub>50</sub></u>	
	<u>inh, rat</u>	<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Talc (containing no asbestos fibers)	N/Av	N/Av	N/Av
Copper	> 5.11 mg/L (dust) (No mortality)	> 2500 mg/kg	> 2000 mg/kg

### Other important toxicological hazards

: See Section 2 for additional information.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

: Very toxic to aquatic life with long lasting effects. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters. See the following tables for individual ingredient ecotoxicity data.

### Ecotoxicity data:

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Fish</u>		
		<u>LC<sub>50</sub> / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Talc (containing no asbestos fibers)	14807-96-6	> 110 000 mg/L (QSAR)	1413 mg/L (30 days) (QSAR)	None.
Copper	7440-50-8	0.19-0.21 mg/L	N/Av	1



Copaslip

SDS Preparation Date (mm/dd/yyyy): 08/16/2017

Page 7 of 10

## SAFETY DATA SHEET

<u>Ingredients</u>	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Talc (containing no asbestos fibers)	14807-96-6	36 812 mg/L (QSAR)	1460 mg/L (30 days) (QSAR)	None.
Copper	7440-50-8	0.2-0.52 mg/L (Daphnia magna)	0.368 mg/L (Daphnia magna)	1

<u>Ingredients</u>	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Talc (containing no asbestos fibers)	14807-96-6	7203 mg/L/96hr (Green algae) (QSAR)	N/Av	None.
Copper	7440-50-8	0.0127 mg/L (Green algae)	N/Av	10

### Persistence and degradability

: No data is available on the product itself.

### Bioaccumulation potential

: No data is available on the product itself.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Talc (containing no asbestos fibers) (CAS 14807-96-6)	- 1.5 (estimated)	N/Av

**Mobility in soil** : No data is available on the product itself.

### Other Adverse Environmental effects

: No data is available on the product itself.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Handling for Disposal

: Handle waste according to recommendations in Section 7. Empty containers may contain hazardous residues.

### Methods of Disposal

: Dispose in accordance with all applicable federal, state, provincial and local regulations.

### RCRA

: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method.





Molyslip (Canada) Inc.  
1145 Bellamy Road N., Unit 20  
Scarborough, ON, Canada, M1H 1H5  
Telephone: (416) 435 5523

Copaslip

SDS Preparation Date (mm/dd/yyyy): 08/16/2017

Page 8 of 10

## SAFETY DATA SHEET

### SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	None.	Not regulated.	not regulated	none	
<b>49CFR/DOT Additional information</b>	Not regulated for road or rail shipment if packaged in non-bulk containers (450 L / 119 Gallons or less each).				
TDG	UN3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Copper)	9	III	
<b>TDG Additional information</b>	May be shipped as LIMITED QUANTITY when transported in units less than 5 kg, in packages not exceeding 30 kg gross mass.				
ICAO/IATA	UN3077	Environmentally hazardous substance, solid, n.o.s. (Copper)	9	III	
<b>ICAO/IATA Additional information</b>	Refer to the appropriate Packing Instruction, prior to shipping this material. Review all State and Operator Variations, prior to shipping this material.				
IMDG	UN3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Copper)	9	III	
<b>IMDG Additional information</b>	May be shipped as Limited Quantity when transported in containers no larger than 5.0 kg; in packages not exceeding 30 kg gross mass.				

**Special precautions for user** : Appropriate advice on safety must accompany the package.

**Environmental hazards** : This product meets the criteria for an environmentally hazardous material according to the IMDG Code. See Section 12 for more environmental information.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

: This information is not available.

### SECTION 15 - REGULATORY INFORMATION

#### US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	de minimus Concentration
Talc (containing no asbestos fibers)	14807-96-6	Yes	None.	None.	No	N/Ap
Copper	7440-50-8	Yes	5000 lbs / 2270 kg	None.	Yes	1%





Copaslip

SDS Preparation Date (mm/dd/yyyy): 08/16/2017

Page 9 of 10

## SAFETY DATA SHEET

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Specific target organ toxicity, repeated exposure. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

### US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Talc (containing no asbestos fibers)	14807-96-6	No	N/Ap (talc containing no asbestos)	Yes	Yes	Yes	Yes	Yes	Yes
Copper	7440-50-8	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes

### Canadian Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL). WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

### International Information:

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	CAS #	European EINECS	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	New Zealand IOC
Talc (containing no asbestos fibers)	14807-96-6	238-877-9	Present	Present	(1)-468; (1)-468	KE-32773	Present	May be used as a single component chemical under an appropriate group standard.
Copper	7440-50-8	231-159-6	Present	Present	Not listed	KE-08896	Present	HSR002948

## SECTION 16. OTHER INFORMATION

### Legend

: ACGIH: American Conference of Governmental Industrial Hygienists  
CAS: Chemical Abstract Services  
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
CFR: Code of Federal Regulations  
CNS: Central Nervous System  
DOT: Department of Transportation  
EPA: Environmental Protection Agency  
EINECS: European Inventory of Existing Commercial chemical Substances  
IARC: International Agency for Research on Cancer  
IBC: Intermediate Bulk Container  
IMDG: International Maritime Dangerous Goods  
Inh: Inhalation  
LC: Lethal Concentration  
LD: Lethal Dose  
N/Ap: Not Applicable



Molyslip (Canada) Inc.  
1145 Bellamy Road N., Unit 20  
Scarborough, ON, Canada, M1H 1H5  
Telephone: (416) 435 5523

Copaslip

SDS Preparation Date (mm/dd/yyyy): 08/16/2017

Page 10 of 10

## SAFETY DATA SHEET

N/Av: Not Available  
NIOSH: National Institute of Occupational Safety and Health  
NTP: National Toxicology Program  
OSHA: Occupational Safety and Health Administration  
PEL: Permissible exposure limit  
RCRA: Resource Conservation and Recovery Act  
RTECS: Registry of Toxic Effects of Chemical Substances  
SARA: Superfund Amendments and Reauthorization Act  
STEL: Short Term Exposure Limit  
TDG: Canadian Transportation of Dangerous Goods Act & Regulations  
TLV: Threshold Limit Values  
TWA: Time Weighted Average  
WHMIS: Workplace Hazardous Materials Identification System

### References

- : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2016
- 2. International Agency for Research on Cancer Monographs, searched 2017
- 3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2017(Chempendium, HSDB and RTECs).
- 4. Material Safety Data Sheets from manufacturer.
- 5. US EPA Title III List of Lists - 2017 version.
- 6. California Proposition 65 List - 2017 version.
- 7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2017.

Preparation Date (mm/dd/yyyy)

: 08/16/2017

Other special considerations for handling

: Provide adequate information, instruction and training for operators.

<b>Prepared for:</b> Molyslip (Canada) Inc. 1145 Bellamy Road N., Unit 20 Scarborough, ON, Canada, M1H 1H5 Telephone: (416) 435 5523 www.molyslip.com	
<b>Prepared by:</b> ICC The Compliance Center Inc. Telephone: (888) 442-9628 (U.S.): (888) 977-4834 (Canada) <a href="http://www.thecompliancecenter.com">http://www.thecompliancecenter.com</a>	

### DISCLAIMER

This Safety Data Sheet was prepared by ICC The Compliance Center Inc. using information provided by Molyslip (Canada) Inc. and CCOHS' Web Information Service. The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product. ICC The Compliance Center Inc and Molyslip (Canada) Inc. expressly disclaim all expressed or implied warranties and assume no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of ICC The Compliance Center Inc. and Molyslip (Canada) Inc.

END OF DOCUMENT