



# SAFETY DATA SHEET

[Required under safety and health regulations for shipping and handling]

Version: 2019

Date Updated: July 04, 2019

## SECTION 1. ----- PRODUCT AND COMPANY IDENTIFICATION-----

**Product Name** Acryl/Bis (19: 1) Premix powder  
**Product Code(s)** A0003  
**Recommended Use** For Laboratory Research Use Only  
Not for Human or Animal Drug Use

**Supplier** Bio Basic Inc.  
**Address** 20 Konrad Crescent, Markham, Ontario,  
Canada, L3R 8T4  
**Telephone** (905) 474 4493  
**Fax** (905) 474 5794  
**For Chemical Emergency Phone#** (416) 995 9730

## SECTION 2. ----- HAZARDS IDENTIFICATION -----

### GHS Classification

Acute toxicity, Oral (Category 3)  
Acute toxicity, Inhalation (Category 4)  
Acute toxicity, Dermal (Category 4)  
Skin irritation (Category 2)  
Eye irritation (Category 2A)  
Skin sensitisation (Category 1)  
Germ cell mutagenicity (Category 1B)  
Carcinogenicity (Category 1B)  
Reproductive toxicity (Category 2)  
Specific target organ toxicity - repeated exposure, Oral (Category 1),  
Peripheral nervous system Acute aquatic toxicity (Category 3)

### GHS Label elements, including precautionary statements

Pictogram



Signal word Danger

Hazard statement(s)

H301 Toxic if swallowed.  
H312 + H332 Harmful in contact with skin or if inhaled  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H340 May cause genetic defects.  
H350 May cause cancer.  
H361 Suspected of damaging fertility or the unborn child.  
H372 Causes damage to organs (Peripheral nervous system) through prolonged or lenses, if repeated exposure if swallowed.  
H402 Harmful to aquatic life.

Precautionary statement(s)

P201 Obtain special instructions before use.  
P280 Wear protective gloves/ protective clothing.  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact present and easy to do. Continue rinsing.

P308 + P313

IF exposed or concerned: Get medical advice/ attention.

### SECTION 3. - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -

Chemical Name	EC No.	CAS-No	Weight %
Acrylamide	201-173-7	79-06-1	95
N,N'-Methylenediacylamide	203-750-9	110-26-9	5

### SECTION 4. - - - - - FIRST-AID MEASURES - - - - -

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

#### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -

#### Conditions of flammability

Not flammable or combustible.

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Special protective equipment for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### Hazardous combustion products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx)

#### Explosion data - sensitivity to mechanical impact

No data available

#### Explosion data - sensitivity to static discharge

No data available

### SECTION 6. - - - - - ACCIDENTAL RELEASE MEASURES - - - - -

#### Personal precautions

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

#### Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

#### Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**SECTION 7. ----- HANDLING AND STORAGE-----**

**Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.  
Provide appropriate exhaust ventilation at places where dust is formed.

**Conditions for safe storage**

Keep container tightly closed in a dry and well-ventilated place.

Light sensitive.

**SECTION 8. ----- EXPOSURE CONTROLS/PERSONAL PROTECTION-----**

**Components with workplace control parameters**

Components	CAS-No.	Value	Control	Basis
Acrylamide	79-06-1	TWA	0.03m g/m3	Canada. Alberta, Occupational Health and SafetyCode (table 2: OEL)
Remarks	Substance may be readily absorbed through intact skin			
		TWAE V	0.03 ppm	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
	A substance to which exposure must be reduced to a minimum in accordance with section 42 Skin (percutaneous) Carcinogenic effect suspected in humans			
		TWAE V	0.0300 ppm	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
	A substance to which exposure must be reduced to a minimum in accordance with section 42 Skin (percutaneous) Carcinogenic effect suspected in humans			
		TWA	0.03m g/m3	USA. ACGIH Threshold Limit Values (TLV)
	Central Nervous System impairment Confirmed animal carcinogen with unknown relevance to humans Danger of cutaneous absorption			
		TWA	0.03m	Canada. British



point/freezing point	
Boiling point	No data available
Flash point	No data available
Ignition temperature	No data available
Auto-ignition temperature	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	No data available
Density	No data available
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Relative vapour density	No data available
Odour	No data available
Odour Threshold	No data available
Evaporation rate	No data available

## SECTION 10. -----STABILITY AND REACTIVITY -----

### **Chemical stability**

Stable under recommended storage conditions.

### **Possibility of hazardous reactions**

No data available

### **Conditions to avoid**

No data available

### **Materials to avoid**

Acids, Bases, Oxidizing agents, Reducing agents, Copper, Brass, Aluminum, Iron and iron salts., Free radical initiators

### **Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx) Other decomposition products - No data available

## SECTION 11. ----- TOXICOLOGICAL INFORMATION -----

### **Acute toxicity**

#### **Oral LD50**

No data available

LD50 Oral - Rat - 177 mg/kg (Acrylamide)

#### **Inhalation LC50**

No data available

LC50 Inhalation - Rat - 4 h - > 1,500 mg/m<sup>3</sup>(Acrylamide)

#### **Dermal LD50**

No data available

LD50 Dermal - Rabbit - 1,141 mg/kg (Acrylamide)

**Other information on acute toxicity**

No data available (Acrylamide)

**Skin corrosion/irritation**

Skin - Rabbit - No skin irritation - OECD Test Guideline 404 (Acrylamide)

**Serious eye damage/eye irritation**

Eyes - Rabbit - Irritating to eyes. - OECD Test Guideline 405 (Acrylamide)

**Respiratory or skin sensitisation**

Maximisation Test (GPMT) - Guinea pig - OECD Test Guideline 406 - May cause allergic skin reaction. (Acrylamide)

**Germ cell mutagenicity**

May alter genetic material. In vivo tests showed mutagenic effects (Acrylamide)

**Carcinogenicity**

This product is or contains a component that has been reported to be probably carcinogenic based on its IARC, OSHA, ACGIH, NTP, or EPA classification. Possible human carcinogen (Acrylamide)

IARC: 2A - Group 2A: Probably carcinogenic to humans (Acrylamide)

**Reproductive toxicity**

May cause reproductive disorders. Suspected human reproductive toxicant (Acrylamide)

**Teratogenicity**

Animal testing did not show any effects on foetal development. (Acrylamide)

**Specific target organ toxicity - single exposure (Globally Harmonized System)**

No data available (Acrylamide)

**Specific target organ toxicity - repeated exposure (Globally Harmonized System)**

Oral - Causes damage to organs through prolonged or repeated exposure. - Peripheral nervous system

**Aspiration hazard**

No data available (Acrylamide)

**Potential health effects**

<b>Inhalation</b>	Toxic if inhaled. Causes respiratory tract irritation.
<b>Ingestion</b>	Toxic if swallowed.
<b>Skin</b>	Causes skin irritation.
<b>Eyes</b>	Causes eye irritation.

**Signs and Symptoms of Exposure**

Acrylamide toxicity is manifested as a sensorimotor peripheral neuropathy., Drowsiness, Loss of balance, Confusion.

**Synergistic effects**

No data available

**Additional Information**

RTECS: Not available

**SECTION 12. ----- ECOLOGICAL INFORMATION -----**

**Toxicity**

Toxicity to fish	LC50 - Pimephales promelas (fathead minnow) - 90 mg/l - 96 h (Acrylamide) NOEC - Cyprinus carpio (Carp) - 5 mg/l - 28 d (Acrylamide)
Toxicity to daphnia and other aquatic	mortality NOEC - Daphnia magna (Water flea) - 60 mg/l - 48 h (Acrylamide)



Further information: no limited for paper copy, just for internal uses.  
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**Issuing Date:** 04-Jul-2019

**End of SDS**