



# SAFETY DATA SHEET

Issuing Date 07-May-2009

Revision Date 08-Jan-2016

Revision Number 2

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** ACRYL/BIS 19:1, PREMIXED POWDER

### Other means of identification

**Product Code(s)** 0729

**UN/ID no.** 2074

**Synonyms** No information available

### Recommended use of the chemical and restrictions on use

**Recommended Use** For Further Manufacturing Use Only.

**Uses advised against** Not for Human or Animal Drug Use

### Details of the supplier of the safety data sheet

#### **Company Address**

VWR International, LLC  
Radnor Corporate Center  
100 Matsonford Road  
Radnor, PA 19087-8660

#### **Manufacturer Address**

VWR International, LLC  
28600 Fountain Parkway  
Solon, Ohio 44139

#### **Distributor**

AMRESKO INC.  
6681 Cochran Road  
SOLON, OHIO 44139

**Company Phone Number** 1.800.829.2805

**E-mail Address** info@amresco-inc.com

### Emergency Telephone Number

**Emergency Telephone Number** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute Toxicity - Oral	Category 3
Acute Toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Skin Sensitization	Category 1
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1B
Reproductive toxicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 1

### Label elements

#### **Emergency Overview**

#### **Danger**

#### **Hazard statements**

H301 - Toxic if swallowed  
H312 - Harmful in contact with skin  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H332 - Harmful if inhaled  
H340 - May cause genetic defects

H350 - May cause cancer  
H361 - Suspected of damaging fertility or the unborn child  
H372 - Causes damage to organs through prolonged or repeated exposure



**Appearance** White Free-flowing      **Physical State** uniform crystals      **Odor** No information available

**Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Wear protective gloves/protective clothing/eye protection/face protection  
Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Use only outdoors or in a well-ventilated area  
Contaminated work clothing must not be allowed out of the workplace  
Do not breathe dust/fume/gas/mist/vapors/spray

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
Specific treatment (see .? on this label)  
Specific treatment (see .? on this label)  
IF IN EYES: 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  
IF ON SKIN: Wash with plenty of water and soap  
Call a POISON CENTER or doctor if you feel unwell  
Take off contaminated clothing and wash it before reuse  
If skin irritation or rash occurs: Get medical advice/attention  
IF INHALED: Remove person to fresh air and keep comfortable for breathing  
IF SWALLOWED: Immediately call a POISON CENTER or doctor  
Rinse mouth

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not regulated

**Other Information**

- Harmful to aquatic life with long lasting effects
- Harmful to aquatic life

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	EC No.	Weight %	Trade Secret
Acrylamide	79-06-1	201-173-7	90-100	Not applicable
Methylene diacrylamide	110-26-9	203-750-9	1-5	Not applicable

**4. FIRST AID MEASURES**

### First Aid Measures

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Consult a physician if necessary.
<b>Inhalation</b>	Move to fresh air. If breathing becomes difficult, give oxygen. Consult a physician if necessary.
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water. Consult a physician.

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

**Most Important Symptoms/Effects** No information available.

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

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Dry chemical, CO<sub>2</sub>, appropriate foam.

**Unsuitable Extinguishing Media** No information available.

### Specific Hazards Arising from the Chemical

Use water spray to cool fire-exposed containers.

**Hazardous Combustion Products** Carbon oxides. Ammonia.

### Explosion Data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal protection** Ensure adequate ventilation, especially in confined areas.

### Environmental Precautions

**Environmental Precautions** See Section 12 for additional Ecological information.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Avoid dust formation. Pick up and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

**Handling** Handle in accordance with good industrial hygiene and safety practice. Hygroscopic.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Hygroscopic.

**Incompatible Products** Iron and Iron salts. Oxidizing agents. Copper. Free radical initiators. Brass.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Acrylamide 79-06-1	TWA: 0.03 mg/m <sup>3</sup>	TWA: 0.3 mg/m <sup>3</sup>	IDLH: 60 mg/m <sup>3</sup> TWA: 0.03 mg/m <sup>3</sup>
Methylene diacrylamide 110-26-9	-	-	-

### Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Safety glasses with side-shields.

**Skin and Body Protection** Wear protective gloves/clothing.

**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	uniform crystals	<b>Odor</b>	No information available
<b>Appearance</b>	White Free-flowing	<b>Odor Threshold</b>	No information available
<b>Color</b>	No information available		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	No information available		
Melting point/freezing point	No information available		
Boiling Point/Range	No information available		
Flash Point (High in °C)	No information available		
Evaporation Rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limit in Air			
Upper flammability limit:	No information available		
Lower flammability limit:	No information available		
Vapor pressure	No information available		
Vapor Density	No information available		
Specific Gravity	No information available		

Water Solubility	No information available
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive Properties	No information available
Oxidizing Properties	No information available

**Other Information**

Softening Point	No information available
Molecular Weight	No information available
VOC Content	No information available
Density	No information available
Bulk Density	No information available

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization** Hazardous polymerization may occur.

**Conditions to Avoid**

Protect from moisture. Hygroscopic. Avoid contact with acids. Heating over 90 C.

**Incompatible Materials**

Iron and Iron salts. Oxidizing agents. Copper. Free radical initiators. Brass.

**Hazardous Decomposition Products**

Carbon oxides. Ammonia.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information**

<b>Inhalation</b>	Harmful by inhalation.
<b>Eye Contact</b>	Severely irritating to eyes.
<b>Skin Contact</b>	Irritating to skin. Harmful in contact with skin.
<b>Ingestion</b>	Toxic if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Acrylamide 79-06-1	= 124 mg/kg ( Rat )	= 1680 µL/kg ( Rabbit ) = 400 mg/kg ( Rat )	-
Methylene diacrylamide 110-26-9	= 390 mg/kg ( Rat )	-	-

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	No information available.			
<b>Mutagenic Effects</b>	No information available.			
<b>Carcinogenicity</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen.			
<b>Chemical Name</b>	<b>ACGIH</b>	<b>IARC</b>	<b>NTP</b>	<b>OSHA</b>
Acrylamide 79-06-1	A3	Group 2A	Reasonably Anticipated	X
Methylene diacrylamide 110-26-9	-	-	-	-
<b>Reproductive Toxicity</b>	No information available.			
<b>STOT - single exposure</b>	No information available.			
<b>STOT - repeated exposure</b>	No information available.			
<b>Chronic Toxicity</b>	Suspected carcinogen. Suspected teratogen. Possible risk of impaired fertility. May cause an allergic skin reaction.			
<b>Target Organ Effects</b>	Nerves, Kidneys, Central nervous system (CNS).			
<b>Aspiration hazard</b>	No information available.			

#### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

5% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Toxicity to Fish	Crustacea
Acrylamide 79-06-1	-	103 - 115: 96 h Pimephales promelas mg/L LC50 flow-through 124: 96 h Pimephales promelas mg/L LC50 static 81 - 150: 96 h Lepomis macrochirus mg/L LC50 flow-through 137 - 191: 96 h Oncorhynchus mykiss mg/L LC50 static 74 - 150: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	98: 48 h Daphnia magna mg/L EC50 Flow through 98: 48 h Daphnia magna mg/L EC50
Methylene diacrylamide 110-26-9	-	-	-

#### Persistence and Degradability

No information available.

#### Bioaccumulation/Accumulation

No information available.

Chemical Name	Partition coefficient
Acrylamide 79-06-1	-1.24
Methylene diacrylamide 110-26-9	-

#### Other Adverse Effects

No information available

## 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

#### Waste Disposal Method

Dispose of material in accordance with all federal, state, and local regulations.

#### Contaminated Packaging

Do not re-use empty containers.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Acrylamide	waste number U007	Included in waste stream:	-	-

79-06-1		K014		
Methylene diacrylamide 110-26-9	-	-	-	-

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Acrylamide 79-06-1	-	-	-	-
Methylene diacrylamide 110-26-9	-	-	-	-

Chemical Name	California Hazardous Waste Status
Acrylamide 79-06-1	-
Methylene diacrylamide 110-26-9	-

#### 14. TRANSPORT INFORMATION

##### DOT

UN/ID no. 2074  
Proper shipping name ACRYLAMIDE, SOLID  
Hazard Class 6.1  
Packing Group III

##### IATA

UN/ID no. 2074  
Proper shipping name ACRYLAMIDE, SOLID  
Hazard Class 6.1  
Packing Group III

#### 15. REGULATORY INFORMATION

##### International Inventories

TSCA Complies  
DSL/NDSL Complies  
EINECS/ELINCS Complies  
ENCS Complies  
IECSC Complies  
KECL Complies  
PICCS Complies  
AICS Complies

##### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
ENCS - Japan Existing and New Chemical Substances  
IECSC - China Inventory of Existing Chemical Substances  
KECL - Korean Existing and Evaluated Chemical Substances  
PICCS - Philippines Inventory of Chemicals and Chemical Substances  
AICS - Australian Inventory of Chemical Substances

##### U.S. Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Component	SARA 313 - Threshold Values %
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Acrylamide 79-06-1 ( 90-100 )	0.1
Methylene diacrylamide 110-26-9 ( 1-5 )	-

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

<b>Chemical Name</b>	<b>CWA - Reportable Quantities</b>	<b>CWA - Toxic Pollutants</b>	<b>CWA - Priority Pollutants</b>	<b>CWA - Hazardous Substances</b>
Acrylamide 79-06-1	-	-	-	-
Methylene diacrylamide 110-26-9	-	-	-	-

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

<b>Chemical Name</b>	<b>Hazardous Substances RQs</b>	<b>Extremely Hazardous Substances RQs</b>	<b>RQ</b>
Acrylamide 79-06-1	5000 lb	5000 lb	RQ 5000 lb final RQ RQ 2270 kg final RQ
Methylene diacrylamide 110-26-9	-	-	-

**U.S. State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:

<b>Chemical Name</b>	<b>California Prop. 65</b>
Acrylamide - 79-06-1	Carcinogen Developmental Male Reproductive
Methylene diacrylamide - 110-26-9	-

**U.S. State Right-to-Know Regulations**

<b>Chemical Name</b>	<b>New Jersey</b>	<b>Massachusetts</b>	<b>Pennsylvania</b>
Acrylamide 79-06-1	X	X	X
Methylene diacrylamide 110-26-9	-	-	-

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not regulated

**16. OTHER INFORMATION**

**Issuing Date** 07-May-2009  
**Revision Date** 08-Jan-2016  
**Revision Note**  
 No information available

**Disclaimer**

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with



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regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. VWR International and its Affiliates shall not be held liable for any damage resulting from handling.

**End of Safety Data Sheet**