

MATERIAL SAFETY DATA SHEET

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SECTION 1: CHEMICAL IDENTIFICATION

Code: PR0606-50G; PR0606-250G

Name: Bis-Acrylamide

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name: CAS No.: Weight % N,N'-methylenebisacrlamide 110-26-0 95-100%

Synonyms: Methylene-Bis-Acrylamide; N,N'-methylenebis(acrylamide);

N,N'-methylenebis(2-propenamide); N,N'-methylenediacrylamide; N,N'-methylidenebisacryamide; 2-propenamide; N,N'-methylenebis-

SECTION 3: HAZARDS IDENTIFICATION GHS Classification

Acute toxicity, oral-Category 5Toxicity, inhalation-Category 4Skin irritation-Category 2Eye irritation-Category 2

GHS Label elements, including precautionary statements



Signal word: Warning



Hazard statements

H302	Harmful if swallowed
H332	Harmful if inhaled
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

Precautionary statements

P280	Waar protective alove	Inrotactive elething/ave	protection/foce protection
FZ0U	wear protective groves	s/protective croming/eye	protection/face protection

P302+P352 If on skin, wash with plenty of soap and water

P304+P340 If inhaled, remove victim to fresh air and keep at rest in a position

P305+P351+P338 If in eyes, rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 4: FIRST-AID MEASURES

In case of eyes contact, rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

In case of skin contact, wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

In case of inhalation, move to fresh air. If breathing become difficult, give artificial respiration.

In case of ingestion, clean mouth with water and afterwards drink plenty of water.

SECTION 5: FIRE FIGHTING MEASURES

Not flammable.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Use water spray, regular foam, dry chemical or carbon dioxide.

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

Hazardous decomposition products formed under fire conditions: Nitrogen oxides, carbon oxides

Explosion data – sensitivity to mechanical impact: Not sensitive. Explosion data – sensitivity to static discharge: Not sensitive.

SECTION 6: ACCIDENTAL RELEASE MEASURES

For personal protection, use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

For environmental precuations, prevent further leakage or spillage if safe to do so.

For cleaning up, pick up and arrange disposal to properly labeled containers. Avoid dust formation. Ventilate area ad wash spill site after material pickup is done.



SECTION 7: HANDLING AND STORAGE

Handle in accordance with good industrial hygiene and safety practice. Keep containers tightly closed in a dry, cool and well-ventilated place. Incompatible with strong oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection Where risk assessment shows air-purifying respirators are appropriate

use a full-face particle respirator type N100 (US) or type P3 (EN143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection Handle with gloves. Gloves must be inspected prior to use. Use

proper glove removal technique (without touching gloves' outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and

good laboratory practices. Wash and dry hands.

Skin and body protection Complete suit protecting against chemicals. The type of protective

equipment must be selected according to the concentration and

amount of the dangerous substance at the specific workplace.

Eye protection Face shield and safety glasses. Use equipment for eye protection

tested and approved under appropriate government standards such as

NIOSH (US) or EN166 (EU).

Use engineering measures such as showers, eyewash stations and ventilation system. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White

Physical state: Crystalline Powder

Odor: No information available Odor threshold: No information available

pH: No data available Melting point: No data available

Freezing point: No information available Initial boiling point: No information available

Boiling point:

Flash point:

No data available

Not determined

Auto-ignition temperature:

No data available

Decomposition temperature: No information available



Upper flammability limits in air: No data available Upper flammability limits in air: No data available

Explosive properties: No information available Oxidizing properties: No information available Solubility: No information available

Partition coefficient:

(n-octanol/water) No data available MMHG @ 37.8°C No data available Vapor density: No data available Evaporation rate: No data available Specific gravity: No data available

Viscosity: No information available

SECTION 10: STABILITY AND REACTIVITY

Stable under recommended storage conditions.

Materials to avoid: Strong oxidizing agents

Hazardous decomposition products: Carbon oxides; Nitrogen oxides

Hazardous polymerization: Do not occur Conditions to avoid: Exposure to light

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity

This product is toxic and may cause irritation.

Chronic Toxicity

No known effect based on the information supplied.

Target organ effects on nerves.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose waste material in accordance with all federal, state and local environmental regulation. For contaminated packing too dispose in accordance with all federal, state and local environmental regulation.

Observe all federal, state and local environmental regulations.



SECTION 14: TRANSPORT INFORMATION

IATA

Not regulated.

DOT (US)

Not regulated.

SECTION 15: REGULATORY INFORMATION

International inventories

TSCA	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

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 th Code of Federal Regulation, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	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)

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.



International Regulations

Mexico – Grade
No information available.

WHMIS Hazard Class D2B Toxic materials



SECTION 16: OTHER INFORMATION

The information contained in this MSDS relates only to the material(s) designed and does not relate to use(s) in combination with any other material, process(es) and /or chemical reaction(s). Vivantis Technologies Sdn. Bhd. provides this information in good faith, from sources believed to be accurate; however, Vivantis assumes no liability for its accuracy or completeness, and thus shall not be held liable for any damage resulting from handling or from contact with the above product.

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