

Safety Data Sheet

X-Block

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	X-Block
Product Number:	BMX101-001003-01
Brand:	RONAWK
General use:	For use to grow cells, produce cells, deliver cells, tissue engineering and regenerative medicine, drug delivery, and basic science research. Not for diagnostic or human use, for research only.
Company Address:	500 N. Rogers Rd., Suite 500-B20, Olathe, KS 66062
Telephone:	913 477-3055
Email:	info@ronawk.com
Ver.	1.0
Date:	01/21/2022

2. HAZARDS IDENTIFICATION

Pictogram:



Single Word: Danger

Hazard Statements:

H315	Skin irritation (Category 2)
H317	Skin sensitization (Category 1)
H318	Serious eye damage (Category 1)
H361	Reproductive toxicity (Category 2)

Precautionary Statements:

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing dust/ fume/ gas / mist/ vapors/ spray.
P264 Wash skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
P405 Store locked up.
P501 Dispose of contents/ container to an approved waste disposal plant.

HMIS Rating
Health hazard 2 (Acute effects)
Chronic Health hazard *
Flammability 0
Physical hazard 0

NFP Rating
Health hazard 2
Fire hazard 0
Reactivity hazard 0

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS#	EC No.	EC Class
Poly(ethylene glycol) diacrylate	26570-48-9	607-960-5	Hazardous
Gelatin Methacrylate (GelMa)	Substance	None	Not classified as hazardous

4. FIRST AID MEASURES

General Advice Consultant a physician. Show this safety data sheet to the doctor in attendance. Move out of a 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. 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.
Most important symptoms and effects, both acute and delayed	Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. May cause an allergic skin reaction.
Indication of any immediate medical attention and special treatment needed	No further information available.

5. FIREFIGHTING MEASURES

Suitable extinguishing media

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

Special hazards arising from the substance or mixture

Danger of containers bursting upon heating. If this product is involved in a fire, carbon monoxide and carbon dioxide can be released.

Advice for firefighters

Wear self-contained respirator. Wear fully protective impervious suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Environmental precautions

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.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage

Recommended storage temperature: 4 °C. Handle and store under sterile saline. Light sensitive. Moisture sensitive.

Keep container tightly sealed in a humidified place. Store away from free radical initiators. Store away from air. Store in the dark. Protect from heat. Store away from oxidizing agents. Store away from amines.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Control parameters

This product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

General protective and hygienic measures

The usual precautionary measures for handling chemicals should be followed. Wash hands before breaks and the end of work. Avoid contact with the eyes and skin.

Breathing equipment N/A.

Gloves Nitrile rubber, at least 0.11 mm thickness.

Eye Protection Tightly sealed goggles.

Body Protection Protective work clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Form	Solid
Color	Yellow to Translucent
Odor	No data available
pH	No data available
Melting point	59 – 63 °C (138 – 145 °F)
Initial boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid/gas)	No data available
Upper/lower	No data available
Flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Water solubility	No data available
Partition coefficient: n-octane/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability S	table under recommended storage conditions
Possibility of hazardous reactions	No data available
Conditions to avoid	Elevated temperatures. Direct heating, dirt, chemical contamination, sunlight, UV or ionizing radiation. May polymerize on exposure to light.
Incompatible materials	Strong oxidizing agents, Amines, Free radical initiators, Chemically active metals
Hazardous decomposition products	

Hazardous decomposition products formed under fire conditions – Carbon oxides

Other decomposition products No data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity	No data available
Inhalation	No data available
Dermal	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA, or ACGIH
Reproductive toxicity	No data available
Specific target organ toxicity – single exposure	No data available
Specific target organ toxicity – repeated exposure	No data available
Aspiration hazard	No data available
Additional Information	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects	No data available

13. DISPOSAL CONSIDERATIONS

Product	Consult state local, or national regulations to ensure proper disposal. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated packaging	Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

DOT (US)	Not dangerous goods
IMDG/IMO	Not dangerous goods
IATA	Not dangerous goods
TDG	Not dangerous goods

15. REGULATORY INFORMATION

SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
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SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313.
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SARA 311/312 Hazards	Acute Health Hazard
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Massachusetts Right To Know Components	No components are subject to the Massachusetts Right To Know Act.
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Pennsylvania Right To Know Components	Poly(ethylene glycol) diacrylate solid. CAS# 26570-48-9, Gelatin Methacrylate
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New Jersey Right To Know Components	Poly(ethylene glycol) diacrylate solid. CAS# 26570-48-9, Gelatin Methacrylate
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California Prop. 65 Components	This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.
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16.OTHER INFORMATION

This information is correct to the best of our knowledge. We cannot accept liability for any loss, injury or damage which may result from its use.