



www.AVBioInnovation.com
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NextGen CelBloking™ Kit

N20; M20; C20: For making 20 cell-blocks

T2: Trial pack for making 2 cell-blocks

For in vitro use only

SAFETY DATA SHEET

Section 1: Identification

Product Name: Nano NextGen CelBloking kit / Combo (Nano & Micro) NextGen CelBloking kit

Cat No: N20 / C20

Chemical Name/Synonyms: Not Applicable

Recommended Use: Laboratories.

Uses advised against: Not for food, drug, pesticide or biocidal product use.

Company: AV BioInnovation, Michigan, USA

In emergency call: USA 911.

Contact phone#: 1 262 797 0323

Section 2: Hazard(s) Identification

Hazard Classification: Based on available data, the classification criteria are not met

Signal Word(s): Warning

Hazard Statements: H302 Harmful if swallowed. H311 Toxic in contact with skin. H331 Toxic if inhaled.

H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H351 Suspected of causing cancer. H370 Causes damage to organs.

Pictograms:



Precautionary Statements: Do not swallow. For in vitro use only. Avoid exposure to eye and skin.

Description of other hazards: None

Section 3: Composition/ Information on Ingredients

Proprietary gel disc and isotonic saline with green edible color as transport fluid (Approximately 1.5 ml per unit). Traces of formalin (less than 0.05%) is added as preservative.

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret is required.

Section 4: First-Aid Measures

After skin contact: P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

After eye contact: P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing.

After inhalation: Not applicable.

After swallowing: P310 Immediately call a POISON CENTER/doctor.

P501 Dispose of contents/container in accordance with local / regional / national / international regulations.

Section 5: Fire-Fighting Measures

Suitable extinguishing agents: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media: No information available

Flash Point No information available Method: No information available

Autoignition Temperature: No information available
Explosion Limits: Upper: No data available Lower: No data available
Sensitivity to Mechanical Impact: No information available
Sensitivity to Static Discharge: No information available
Specific Hazards Arising from the Chemical: Keep product and empty container away from heat and sources of ignition.
Hazardous Combustion Products: None known
Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Section 6: Accidental Release Measures

Personal precautions: Ensure adequate ventilation. Use personal protective equipment.
Measures for environmental protection: Should not be released into the environment. See Section 12 for additional ecological information.
Measures for cleaning/collecting: Provide adequate ventilation. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Section 7: Handling and Storage

Handling: Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid dust formation.
Storage: Keep containers tightly closed in a dry, cool and well-ventilated place. protection

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines: This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Measures: Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment
Eye/face Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin and body protection: Wear appropriate protective gloves and clothing to prevent skin exposure.
Respiratory Protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties

Form: Liquid
Odor: No information available
Odor threshold: No information available
pH: No information available
Melting point/melting range: No information available
Boiling point/boiling range No information available
Flash point: No information available **E**
Vaporation rate: No information available
Flammability: No information available
Upper/lower flammability or explosive limits No information available
Auto ignition temperature: No information available
Danger of explosion: No information available

Vapor pressure: No information available

Vapor density: No information available

Relative density: No information available

Solubility in/Miscibility with water: No information available

Section 10: Stability and Reactivity

Reactivity: None known, based on information available

Chemical stability: Stable under normal conditions.

Conditions to avoid: Incompatible products. Excess heat. Avoid dust formation.

Incompatible materials: Strong oxidizing agents

Hazardous decomposition products: None under normal use conditions

Section 11: Toxicological Information

Acute Toxicity

Oral LD50: Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg.

Dermal LD50: Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg.

Vapor LC50: Based on ATE data, the classification criteria are not met. ATE > 20 mg/l.

Component Information:

Toxicologically Synergistic Products No information available

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

Irritation No information available

Sensitization No information available

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
NONHAZARDOUS	NA	Not listed	Not listed	Not listed	Not listed	Not listed

Mutagenic Effects No information available

Reproductive Effects No information available.

Developmental Effects No information available.

Teratogenicity No information available.

STOT - single exposure None known

STOT - repeated exposure None known

Aspiration hazard No information available

Symptoms / effects, both acute and delayed

Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing

Endocrine Disruptor Information No information available

Other Adverse Effects The toxicological properties have not been fully investigated.

Section 12: Ecological Information (non-mandatory)

Do not empty into drains.

Mobility: No information available

Biodegradation: No information available

Bioaccumulation: No information available

Section 13: Disposal Considerations (non-mandatory)

Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Section 14: Transport Information (non-mandatory)

DOT Not regulated
TDG Not regulated
IATA Not regulated
IMDG/IMO Not regulated

Section 15: Regulatory Information (non-mandatory)

All of the components in the product are on the following Inventory lists: X = listed

International Inventories

Legend:

X – Listed
E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.
F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.
N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.
P - Indicates a commenced PMN substance
R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.
S - Indicates a substance that is identified in a proposed or final Significant New Use Rule
T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.
XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B)).
Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.
Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b) Not applicable
SARA 313 Not applicable

SARA 311/312 Hazard Categories

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

CWA (Clean Water Act) Not applicable
Clean Air Act Not applicable

OSHA Occupational Safety and Health Administration Not applicable

CERCLA Not applicable

California Proposition 65 This product does not contain any Proposition 65 chemicals, except traces of formalin.

U.S. State Right-to-Know Regulations Not applicable

U.S. Department of Transportation

Reportable Quantity (RQ): N DOT Marine Pollutant N

DOT Severe Marine Pollutant N

U.S. Department of Homeland Security This product does not contain any DHS chemicals, except traces of formalin.

Other International Regulations

Mexico - Grade No information available

Section 16: Other Information

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Revision Summary

This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of SDS