

SAFETY DATA SHEET

EV Boost™-EV (S2001)

FILE NO.: 14
SDS DATE: 21Dec2018

SAFETY DATA SHEET

according to US Regulation 29 CFR 1910.1200 and the Canadian HPA

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: EV Boost™
PRODUCT CODES: S2001

MANUFACTURER: RoosterBio Inc.
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PRODUCT USE: Stimulates extracellular vesicle formation by mesenchymal stem cells (MSC). For Research Use Only. Not intended for human or animal diagnostics or for therapeutic uses.

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture according to US Regulation 29 CFR 1910.1200

GHS label elements

Not a hazardous substance or mixture according to US Regulation 29 CFR 1910.1200

Other Hazards

None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture
Hazardous components: No hazardous ingredients

SECTION 4: FIRST AID MEASURES

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact: Wash with water and soap as a precaution. May cause skin irritation in susceptible persons. If skin irritation persists, call a physician.

In case of eye contact: Immediately flush eye(s) with plenty of water. If eye irritation persists, consult a specialist.

If swallowed: Immediately give large quantities of water to drink. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed: No information available.

Notes to physician: No information available.

SECTION 5: FIREFIGHTING MEASURES

Suitable extinguishing media: Water spray
Dry powder
Foam

Specific hazards during firefighting: None

Further information: Use water spray to cool unopened containers.

Special protective equipment for firefighters:

In the event of fire, wear self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid breathing vapour. Use personal protective equipment (see Section 8).

Environmental precautions

Prevent product from entering drains.

Methods and materials for containment and cleaning up:

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7: HANDLING AND STORAGE

Advice on safe handling:

No special precautions required.

Conditions for safe storage:

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Storage class (TRGS 510): 12: Non Combustible Liquids

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Appropriate Exposure controls

Engineering measures:

Avoid splashes.

Personal protective equipment

Respiratory protection:

No personal respiratory protective equipment normally required.

Hand protection

Wear suitable gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Eye protection:

Safety glasses with side shields (or safety goggles)

Skin and body protection:

Choose body protection according to the amount and concentration of the dangerous substance at the work place.
No special protective equipment required

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Aqueous solution
Colour:	yellow
Odour:	no data available
Odour Threshold:	no data available
pH:	6.8 - 7.3
Freezing point:	no data available
Boiling point/boiling range:	no data available
Flash point:	no data available
Evaporation rate:	no data available
Upper explosion limit:	no data available
Lower explosion limit:	no data available
Vapour pressure:	no data available

Relative vapour density:	no data available
Relative density:	no data available
Density:	no data available
Solubility(ies)	
Water solubility:	soluble
Partition coefficient: n-octanol/water:	no data available
Auto-ignition temperature:	no data available
Decomposition temperature:	no data available
Viscosity, dynamic:	no data available
Viscosity, kinematic:	no data available

SECTION 10: STABILITY AND REACTIVITY

Possibility of hazardous reactions:	Stable under normal conditions.
Conditions to avoid:	No dangerous reaction known under conditions of normal use
Incompatible materials:	Strong oxidizing agents
Hazardous decomposition products:	No decomposition if stored normally.

SECTION 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 sensitization:	No data available
Germ cell mutagenicity:	No data available

Carcinogenicity

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Reproductive toxicity:	No data available
Specific target organ toxicity	
single exposure	No data available
repeated exposure	No data available
Aspiration hazard:	No data available

Additional Information

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Toxicity: Remarks: no data available

Persistence and degradability

Biodegradability: Result: no data available

Bioaccumulative potential

Bioaccumulation: Remarks: no data available

Mobility in soil

Distribution among environmental compartments: Remarks: no data available

Other adverse effects

Ozone-Depletion Potential: Regulation: US. EPA Clean Air Act (CAA) Section 602 Ozone-Depleting Substances (40 CFR 82, Subpt. A, App A & B) Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information: no data available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues: Dispose of in accordance with local regulations. Contact waste disposal services.

SECTION 14: TRANSPORT INFORMATION

IATA Not dangerous goods

UN number: Not applicable
Proper shipping name: Not applicable

Transport hazard class: Not applicable
Packing group: Not applicable
Environmental hazards: no

IMDG Not dangerous goods

UN number: Not applicable
Proper shipping name: Not applicable

Transport hazard class: Not applicable
Packing group: Not applicable
Environmental hazards: Marine pollutant: no

ADR: Not dangerous goods

UN number: Not applicable
Proper shipping name: Not applicable
Transport hazard class: Not applicable
Packing group: Not applicable
Environmental hazards: no

RID: Not dangerous goods

UN number: Not applicable
Proper shipping name: Not applicable
Transport hazard class: Not applicable
Packing group: Not applicable
Environmental hazards: no

DOT: Not dangerous goods

UN number: Not applicable

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Proper shipping name: Not applicable
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Packing group: Not applicable
Environmental hazards: no

TDG: Not dangerous goods

UN number: Not applicable
Proper shipping name: Not applicable
Transport hazard class: Not applicable
Packing group: Not applicable
Environmental hazards: no

Special precautions for user: none

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any hazardous chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3and Table 116.4A.

Table 116.4A:This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Massachusetts Right to Know

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right to Know 7440-23-5

No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right to Know

No components are subject to the New Jersey Right to Know Act.

New York City Hazardous Substances

No components listed on the New York City Hazardous Substances List

California Prop.65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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SECTION 16: OTHER INFORMATION

OTHER INFORMATION: 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 regards to appropriate safety precautions. Final determination of the suitability of any material is the sole responsibility of the user. RoosterBio reserves the right to revise this SDS periodically as new information becomes available. It does not represent any guarantee of the properties of the product. RoosterBio shall not be held liable for any damage resulting from handling or from contact with the above product.

LAST REVISED: 21Dec2018