



EM Research Organization

1478 Kishaba, Kitanakagusuku-Son, Nakagami-Gun, Okinawa, Japan 901-2311
TEL: 81-98-935-0202 FAX: 81-98-935-0205 Email: inquiry@emro.co.jp

Safety Data Sheet

Issue date: October 4, 2017

1. Product and company Identification

Product Name: EM·X GOLD
Company Name: EM Research Organization, Inc.
Registered Address: 1478 Kishaba, Kitanakagusuku-son,
Nakagami-gun Okinawa Japan
TEL: +81(0)98-935-0202
FAX: +81(0)98-935-0205



2. Composition/Information on Ingredients

Single Substance/
Compound: Compound
Chemical name and
general name: N/A
Composition and content: N/A
CAS No.: N/A

3. Hazards Identification

Name of classification: This product is a refreshment drink for human consumption and this is not hazardous material.
Hazardous information: No toxicological effect on health and environment

4. First Aid Measures

Inhalation: N/A
Skin Contact: N/A
Eye Contact: N/A
Swallowing: N/A
Note to physician: If this product does not agree with persons, it may cause diarrhea, eruption, fever, and/or physical weariness.



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5. Fire Fighting Measures

Firefighting instructions: Extinguish as in any fire.
Extinguishing media: Dry chemical, carbon dioxide, or sand.
This product is not flammable, however, the package may burn.
Specific methods of firefighting: None
Special exposure hazards: None
Protect against fire: Fighters should wear protective clothing and Respirator.

6. Accidental Release Measures

Personal precautions/Protective: None
Environmental precautions: None
Waste Handling and Disposal Method: Wipe with a cloth
Preventive measures for secondary accident: Keep away from the ignition source

7. Handling and Storage

Handling: Avoid dropping, dragging or any other rough handling
Storage: Store in a cool and dark place, away from direct sunlight and rain

8. Exposure Controls/Personal Protection

Control value: N/A
Adopted value: N/A
Other: No special equipment required.
Protective equipment: Not required. This product is not toxic.

9. Physical and Chemical Properties

Appearance
Physical States: Liquid
Consistency: Liquid
Color: Pale Yellow
Odor: Slight natural smell
pH: 7.0~8.9



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Temperature of physical condition changes

Boiling point:	100°C
Melting point:	0°C
Flash point:	This product is nonflammable
Explosive limits	
LEL:	Same as above.
UEL:	Same as above.
Density:	1.002g/ml
Dissolubility	
Water:	Dissolves easily
Other solvent:	Dissolves in alcohol and ether, but with precipitation

10. Stability and Reactivity

Stability:	High temperature over 60°C or direct sunlight may cause precipitation. Stable against physical impacts.
Reactions:	Contamination risk is low (same as water)
Conditions to avoid:	Avoid direct sunlight
Material to avoid:	None
Hazardous Reactions:	None

11. Toxicological Information

Acute toxicity:	Not toxic in acute oral toxicity test giving 20ml/kg to a rat
Skin irritation:	Not irritative in skin irritation test or eye irritation test using rabbits
Mutagenicity:	Negative in mutation inductivity in a reverse mutation test using 4 strains including <i>Eshrichia coli</i> WP2uvrA and <i>Salmonella typhimurium</i> TA

12. Ecological Information

Mobility:	N/A
Persistency/ Degradability:	Degradable in nature
Bioaccumulation:	None



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13. Disposal Considerations

Residues:	Disposing this product does not have any negative Influences on the environment.
Packages:	Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport Information

International restriction: N/A

Specific precautionary transport measures and conditions:

Before loading, make sure that no leakage happened.
Avoid overturn, fall-down, direct sunlight and any other damage both on loading and transporting.

15. Regulatory Information

Food sanitary act

16. Other Information

- This product does not contain alcohol.
- Best before date is printed on each bottle.
- This information is to our best present knowledge correct and complete and is given in good faith but without warranty.
- This MSDS is subject to change. It remains the user's own responsibility to make sure that the information is appropriate and complete for his/her special use of this product.