



Material Safety Data Sheet

Revision date 01-Feb.-2013

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND THE COMPANY /UNDERTAKING

Product Code: CFS-WGE-8240H

Product Name: WEPRO®8240H

Identified use: Laboratory chemicals

Company/Undertaking Identification

CellFree Sciences Co., Ltd
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Contact Information

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous/Non-hazardous Components

The product contains no substances which, at their given concentration, are considered to be hazardous to health

| CHEMICAL NAME | Concentration, wt% | CAS No. |
|---|--------------------|----------------|
| Wheat germ Extract (Natural Product) | 75-90 | Not applicable |
| Potassium Acetate | Less than 10 | 127-08-2 |
| Adenosine-5'-triphosphate Disodium Salt | Less than 10 | 51963-61-2 |

3. HAZARDOUS IDENTIFICATION

Physical State: Liquid

Principal Routes of exposure/Potential Health Effects

| | |
|------------|----------------------------|
| Eyes | No information available |
| Skin | No information available |
| Inhalation | No information available |
| Ingestion | Maybe harmful if swallowed |

Specific effects

| | |
|-----------------------|--------------------------|
| Carcinogenic Effects | No information available |
| Mutagenic Effects | No information available |
| Reproductive Toxicity | No information available |
| Sensitization | No information available |

4. FIRST AID AND MEASURES

GENERAL ADVICE:

Wash off immediately with soap and plenty of water. In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit. Use personal protective equipment.

INHALATION:

Move victim to fresh air. If breathing is difficult, give oxygen. If irritation persists, consult a physician.

SKIN CONTACT:

Remove contaminated clothes and shoes, rinse skin with plenty of water or shower. Use soap to help assure removal. If irritation persists, consult a physician.

EYE CONTACT:

Remove any contact lenses at once. Flush eyes well with flooding amounts of running water for at least 15 minutes. Assure adequate flushing by separating the eyelids with sterile fingers. If irritation persists, consult a physician.

INGESTION:

Rinse mouth, give plenty of water to dilute the substance. Never give anything by mouth to an unconscious person. Consult a physician.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Carbon dioxide, dry chemical powder, foam, water

FIRE&EXPLOSION HAZARDS:

Toxic, irritating dust or smoke may be emitted.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Firemen should wear normal protective equipment (full bunker gear) and positive-pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PROCEDURE(S) OF PERSONAL PRECAUTION(S):

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of vapors.

METHODS FOR CLEAN UP:

Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

HANDLING:

No special measures necessary. Good laboratory technique should be used when handling.

STORAGE:

No special measures necessary. Store at -80°C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING MEASURES:

Use exhaust ventilation to keep airborne concentrations below exposure limits.
Use only with adequate ventilation.

VENTILATION:

Local Exhaust; Necessary, Mechanical(General); Recommended

PERSONAL PROTECTION;

Respiratory protection:

Use a NIOSH/MSHA or European Standard EN149 approved respirator if the vapor concentrations exceed regulatory guidelines.

Hand protection: Chemical resistant gloves

Eye protection: Safety glasses (goggles)

Skin protection: Protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear aqueous solution

BOILING POINT: Above 100 degree C

MELTING POINT: Not available

FREEZING POINT: Below 0 degree C

VAPOR DENSITY: Not available

VAPOR PRESSURE: Not available

10. STABILITY AND REACTIVITY

STABILITY: Stable, under normal handling and storage conditions.

DECOMPOSITION: No date available.

CONDITIONS TO AVOID: Contact with strong oxidants or fire.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY DATA: Not available

IRRITATION DATA: Not available

MUTATION DATA: Not available

REPRODUCTIVE EFFECTS DATA: Not available

TUMORIGENIC DATA: Not available

12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: Not available

BIOACCUMULATION POTENTIAL: Not available

AQUATIC TOXICITY: Not available

13. DISPOSAL CONSIDERATION

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber in accordance with all applicable regulations. Any disposal practice must be in compliance with country, local, state, and federal laws and regulations (contact country, local or state environmental agency for specific rules.)

14. TRANSPORT INFORMATION

| | |
|------------------------------------|--|
| IATA: | Not Restricted. |
| DOT(Department of Transportation): | Not a Hazardous Material for DOT shipping. |

The above information is believed to be correct to be the best of our knowledge and information but does not purport to be all inclusive and shall be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volume, or conditions of use the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRANTY , EXPRESSED OR IMPLIED, OF ITS SUITABILITY FOR A PARTICULAR PURPOSE.