



MSDS

MATERIAL SAFETY DATA SHEET

Compliant with
Regulation (EC) No. 1272/2008

Applicant: Hebei Yuanrun Medical Devices Co.,Ltd

Address: Lijiazhuang Village,Xin'an Town,Zhengding County,Shijiazhuang City,Hebei Province,China

Product Name: Warm Patch

Issue date: 2021-03-04

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Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product Name: Warm Patch

Manufacture: Hebei Yuanrun Medical Devices Co.,Ltd

Address: Lijiazhuang Village, Xin'an Town, Zhengding County, Shijiazhuang City, Hebei Province, China

Model No.: 9.6*18.5cm/10*13cm/8*10cm/6*8cm/7*9.5cm/5.5*9.5cm

Trade: /

Tel: 86 17798077335

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Section 2 Hazard(s) identification

Classification of the substance or mixture:

This product is not classified according to OSHA 2012 Hazard Communication Standard (29 CFR 1910.1200).

Information concerning particular hazards for human and environment:

The product has not to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification system:

The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200) and extended

by company and literature data.

Label elements

Labeling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazard pictograms: Not applicable

Signal word: Not applicable

Hazard-determining components of the labeling: Not applicable

Hazard statements: Not applicable

Precautionary statement: Not applicable

Hazards not otherwise classified (HNOC): No further relevant information available.



Section 3 Composition/information on ingredients

Chemical characterization: Substance(s)

Description: The substances listed below with nonhazardous additions.

| Product Name | FOOT PAD SLEEP,heat patch,heating patch | |
|-------------------------|---|----------|
| Ingredient | CAS NO. | WEIGHT % |
| Iron Powder | 7439-89-6 | 65% |
| Sodium Chloride | 7647-14-5 | 5% |
| Water | 7732-18-5 | 6% |
| Super Absorbent Polymer | 9003-04-7 | 5% |
| Active carbon | 7440-44-0 | 10% |
| Vermiculite | 1318-00-9 | 4.5% |
| Dandelion Root | 84775-55-3 | 1.8% |
| Raspberry Leaf | 84929-76-0 | 0.9% |
| Cramp Bark | 84082-34-8 | 0.45% |
| Comfrey Root | 84696-05-9 | 0.9% |
| Nettle Leaf | 84012-40-8 | 0.45% |



Material Safety Data Sheet

Section 4 First aid measures

Description of first aid measures

After inhalation: Supply with fresh air. Call a POISON CENTER or doctor/physician if you feel unwell.

After skin contact: Wash skin with water.

After eye contact: Rinse eyes with water for several minutes. If eye irritation persists: Get medical advice/attention.

After swallowing: Rinse out mouth with water. Call a POISON CENTER or doctor/physician immediately.

Information for doctor

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

Indication of any immediate medical attention and special treatment needed: No further relevant information available.

Section 5 Fire-fighting measures

Suitable extinguishing agents: Dry chemical, alcohol-resistant foam, carbon dioxide, water spray.

Special hazards arising from the substance or mixture: No further relevant information available.

Special protective equipment and precaution for firefighters

Protective equipment: Mouth respiratory protective device.

Section 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Collect the leakage timely; Ensure adequate ventilation; Use respiratory protective device against the effects of dust; Avoid breathing dust; Avoid contact with eyes.

Environmental precautions:

Do not allow the product to enter sewers/surface or ground water.

Inform respective authorities in case of seepage into water course or sewages system.

Methods and material for containment and cleaning up:

Pick up mechanically; Ensure adequate ventilation.

Dispose contaminated material as waste according to item 13.



Material Safety Data Sheet

Section 7 Handling and storage

· Handling

· Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace; Keep away from flame and ignition source; Prevent formation of dust; Thorough dedusting; Avoid contact with eyes.

· **Information about fire and explosion protection:** Normal measures for preventive fire protection.

· Conditions for safe storage, including any incompatibilities

· **Requirements to be met by storerooms and receptacles:** Store in a cool, dry and well-ventilation place.

· **Information about storage in one common storage facility:** Keep away from flammable substance.

· **Further information about storage conditions:** No further relevant information available.

Section 8 Exposure controls/personal protection

Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists that were valid during the creation were used as basis.

Based on the composition shown in section 3, the following measures are suggested for occupational safety measure:

Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice; Wash hands and face thoroughly after handling; See section 7 for information about design of technical facilities.

Personal protective equipment:

Breathing equipment: Suitable respiratory protective device recommended.

Protection of hands: Not special protective equipment.

Eye protection: Glasses or plastic safety glasses.

Handle in accordance with good industrial hygiene and safety practice; Wash hands and face thoroughly after handling; See section 7 for information about design of technical facilities.

· Personal protective equipment:

· **Breathing equipment:** Suitable respiratory protective device recommended.

· **Protection of hands:** Not special protective equipment.

Eye protection: Glasses or plastic safety glasses.



Material Safety Data Sheet

Section 9 Physical and chemical properties

· Information on basic physical and chemical properties

· Appearance:

| | |
|----------------|--------------------|
| Form | Solid, particle |
| Color | Black |
| Odor | Odorless |
| Odor threshold | Data not available |

· pH-value Data not available

· Change in condition

Melting point/melting range Data not available

Boiling point and boiling Data not available

· Freezing point Data not available

· Flash point: Data not available

· Flammability (solid, gas) Flammable contact with flame.

· Decomposition temperature Data not available

· Self-ignition Product is not self-ignition.

· Danger of explosion Product does not present explosive hazard.

· Explosion limits

Lower: Data not available

Upper: Data not available

· Oxidizing properties Data not available

· Vapor pressure Data not available

· Density Data not available

· Relative density Data not available

· Vapor density Data not available

· Evaporation rate Data not available

· Solubility in/Miscibility with

Water Data not available

· Partition coefficient Data not available

· Viscosity

Dynamic Data not available

Kinematic Data not available

· Other information Data not available



Material Safety Data Sheet

Section 10 Stability and reactivity

Reactivity: No decomposition if used according to specification.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: No further relevant information available.

Conditions to avoid: Moisture condition.

Incompatible materials: Flammable substance.

Hazardous decomposition products: No further relevant information available.

Section 11 Toxicological information

Acute toxicity:

LD/LC50 values that are relevant for classification:

| | | |
|-------|-----------|------------|
| Mouse | LD50-oral | >5000mg/kg |
| Rat | LD50-oral | >5000mg/kg |

Primary irritant effect

Skin corrosion/irritation: Not irritant to skin.

Serious eyes damage/ irritation: Not irritant to eyes.

Sensitization: Not sensitization.

Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations.

Carcinogenic categories

IARC (International Agency for Research on Cancer): None of the ingredients is listed.

NTP (National Toxicology Program): None of the ingredients is listed.

Section 12 Ecological information

Toxicity

Aquatic toxicity: Not toxic to aquatic organism.

Persistence and degradability: Readily biodegradation

Bio-accumulative potential: Not bio-accumulation.

Mobility in soil: Data not available.

Additional ecological information

Other adverse effects: No further

Other adverse effects: No further relevant information available.



Material Safety Data Sheet

Section 13 Disposal consideration

Waste treatment methods

Recommendation: Small quantities of the product can be disposed together with household garbage.

Un-cleaned packaging

Recommendation: Dispose of contents/container in according to the local/regional/national/international regulation.

Section 14 Transport

· **UN-Number DOT, IMDG, IATA** Not regulated, not applicable

· **UN proper shipping name**
DOT, IMDG, IATA Not applicable

· **Transport hazard class (es)**
DOT, IMDG, IATA Class Label Not applicable
Not applicable

· **Packing group**
DOT, IMDG, IATA Not applicable

· **Environmental hazardous**
Marine pollution No

· **Special precautions for user** Not applicable

· **Transport in bulk according to**
II of MARPOL73/78 and the IBC Not applicable

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Sara**

· **Section 355 (extremely hazardous substances):** Not listed.

· **Section 313 (Specific toxic chemical listings):** Not listed.

· **TSCA (Toxic Substances Control Act):** Listed.

· **Proposition 65**

· **Chemicals known to cause cancer:** Not listed.

· **Chemicals known to cause reproductive toxicity for females:** Not listed.

· **Chemicals known to cause reproductive toxicity for males:** Not listed.

· **EPA (Environmental Protection Agency):** Not listed.

· **TLV (Threshold Limit Value established by ACGIH):** Not listed.



- **NIOSH-Ca (National Institute for Occupational Safety and Health):** Not listed.
- **OSHA-Ca (Occupational Safety & Health Administration):** Not listed.
- **National regulations**
- **Water hazard class:** Water hazard class 1 (German Regulation) (self-assessment): Slightly hazardous for water.

Section 16 Other information

The contents and format of this MSDS are in accordance with 29 CFR 1910.1200(g). DISCLAIMER OF LIABILITY:

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Abbreviations and acronyms:

- DOT:** Department of Transportation
- IMDG:** International Maritime Code for Dangerous Goods.
- IATA:** International Air Transport Association
- LD50:** Lethal dose, 50 percent
- LC50:** Lethal concentration, 50 percent

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End of msds