

Safety Data Sheet
PerfectSense® Paraffin Heater Pad

SDS Revision Date:

07/23/2015



1. Identification

1.1. Product identifier

Product Identity PerfectSense® Paraffin Heater Pad
Alternate Names Heater Pad, PerfectTemp Heater Pouch

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use Various Material Use
Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Forever Young International, Inc.
84 Corporate Park Drive
Henderson, NV 89074

Emergency

24 hour Emergency Telephone No. 888-827-4683
Customer Service: Forever Young International, Inc. 760-504-0330

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Flam. Sol. 1;H228 Flammable solid.
Pyr. Sol. 1;H250 Catches fire spontaneously if exposed to air.
WaterReact. 1;H260 In contact with water releases flammable gases which may ignite spontaneously.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Danger

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H228 Flammable solid.

H250 Catches fire spontaneously if exposed to air.

H260 In contact with water releases flammable gases which may ignite spontaneously.

[Prevention]:

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.

P222 Do not allow contact with air.

P223 Keep away from any possible contact with water, because of violent reaction and possible flash fire.

P231+232 Handle under inert gas. Protect from moisture.

P240 Ground / bond container and receiving equipment.

P241 Use explosion-proof electrical / ventilating / light / equipment.

P280 Wear protective gloves / eye protection / face protection.

[Response]:

P335+334 Brush off loose particles from skin. Immerse in cool water / wrap in wet bandages.

P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

[Storage]:

P402+404 Store in a dry place. Store in a closed container.

P422 Store contents under ...

[Disposal]:

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

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Magnesium CAS Number: 0007439-95-4	75 - 100	WaterReact. 1;H260 Pyr. Sol. 1;H250	[1]
Iron CAS Number: 0007439-89-6	1.0 - 10	Not Classified	[1]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

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4. First aid measures

4.1. Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion	Material is not acutely toxic by ingestion, unless it is in large amounts.

4.2. Most important symptoms and effects, both acute and delayed

Overview	<p>EYE CONTACT: Mechanical injury or particle may embed in eye.</p> <p>INHALATION: Should be treated as nuisance dust, may irritate mucous membranes or upper respiratory tract. Use proper respirator and means of ventilation.</p> <p>INGESTION: Ingestion is unlikely, however ingestion of large amounts could cause injury.</p> <p>SKIN ABSORPTION: Unlikely due to physical form and properties. Low toxicity and not considered a hazard.</p> <p>See section 2 for further details.</p>
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5. Fire-fighting measures

5.1. Extinguishing media

Smother burning powder by covering with DRY agents approved for use on Class D fires. Use agents such as dry melting flux, dry sand, MET-L-X powder, dry talc, Purple-K powder. DO NOT USE WATER! Do not use foam, halogenated extinguishers or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: None under normal usage.

Keep away from heat / sparks / open flames / hot surfaces - No smoking.

Do not allow contact with air.

Keep away from any possible contact with water, because of violent reaction and possible flash fire.

Handle under inert gas. Protect from moisture.

Ground / bond container and receiving equipment.

Use explosion-proof electrical / ventilating / light / equipment.

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5.3. Advice for fire-fighters

Wear fire fighting glasses when fighting fires – burning Magnesium-Iron Alloy powder produces a very bright white flame! Only trained fire fighters should apply extinguishing agents gently to avoid disturbing or spreading the burning Alloy powder. Monitor carefully for flare-ups and smother these as necessary. Use self-contained breathing apparatus or approach from upwind due to intense white smoke (magnesium oxide) produced. Sometimes it is best to evacuate employees and allow Alloy powder to burn itself out rather than attempt to extinguish. Do NOT attempt to approach or fight if burning Alloy powder is or may be exposed to water!

Individual pads are self-extinguishing. If cases are ignited, plastic will burn initially as a class A fire. Bulk packs will transition from initial class A fire to flammable solid fire (class D) if fire is not brought under control in initial stages.

ERG Guide No. ----

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Collect spilled pads and inspect non woven fabric; if fabric is punctured, torn, or interior materials are wetted, discard as waste as described below: if fabric is undamaged, repackage. Do NOT use water for cleanup.

7. Handling and storage

7.1. Precautions for safe handling

Protect against physical damage.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Reacts violently with halogens, chlorinated solvents, ammonium nitrate, carbonates, arsenic, cupric oxide, cupric sulfate, mercuric oxide, inorganic phosphates

Store in a cool, dry well ventilated location, away from sources of ignition. Separate from incompatibles. Observe all warnings and precautions listed for the product. Store product in accordance with OSHA.

See section 2 for further details. - [Storage]:

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7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0007439-89-6	Iron	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0007439-95-4	Magnesium	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0007439-89-6	Iron	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0007439-95-4	Magnesium	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory

Not required.

Eyes

Protective safety glasses recommended

Skin

Use the proper safety gear

Engineering Controls

Provide adequate ventilation.

Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

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9. Physical and chemical properties

Appearance	Flat grayish, metallic powder consisting of above ingredients, packaged in non woven fabric Solid
Odor	None
Odor threshold	Not determined
pH	Not Measured
Melting point / freezing point	1202 F
Initial boiling point and boiling range	2025 F
Flash Point	Not Measured
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Solid
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured
Vapor pressure (Pa)	Not Measured
Vapor Density	Not Measured
Specific Gravity	1.74 @25C
Solubility in Water	None
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Loose powder may auto ignite if exposed to heat and sparks while dispersed as a fine powder in the air.
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured
Molecular Weight	Not Defined
Coefficient of Water/Oil Distribution:	Not Applicable
9.2. Other information	
No other relevant information.	

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable unless exposed to water, reacts with salt water. Hydrogen gas released.

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10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Reacts violently with halogens, chlorinated solvents, ammonium nitrate, carbonates, arsenic, cupric oxide, cupric sulfate, mercuric oxide, inorganic phosphates

10.6. Hazardous decomposition products

None under normal usage

11. Toxicological information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Magnesium - (7439-95-4)	No data available	No data available	No data available	No data available	No data available
Iron - (7439-89-6)	30,000.00, Rat - Category: NA	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable

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STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Magnesium - (7439-95-4)	Not Available	Not Available	Not Available
Iron - (7439-89-6)	Not Available	Not Available	Not Available

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

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14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Applicable	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			
IMDG	Marine Pollutant: No		
14.6. Special precautions for user	No further information		

15. Regulatory information

Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.
WHMIS Classification	F
US EPA Tier II Hazards	Fire: Yes Sudden Release of Pressure: No Reactive: Yes Immediate (Acute): No Delayed (Chronic): No
EPCRA 311/312 Chemicals and RQs:	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
EPCRA 302 Extremely Hazardous:	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
EPCRA 313 Toxic Chemicals:	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
Proposition 65 - Carcinogens (>0.0%):	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

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Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

Magnesium

Pennsylvania RTK Substances (>1%):

Magnesium

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H250 Catches fire spontaneously if exposed to air.

H260 In contact with water releases flammable gases which may ignite spontaneously.

H261 In contact with water releases flammable gases.

We believe the statements, technical information and recommendations contained herein are reliable, but are given without warranty or guarantee. The information in the SDS was obtained from current and reliable sources. This document is generated for the purpose of distributing health, safety, and environmental data. It is NOT a specification sheet nor should any displayed data be construed as a specification, if this product is used as a component in another product, this SDS information may not be applicable.

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