



Safety Data Sheet

Cold Sparks Composite TI Powder

Issue Date: 01-01-2023

Revision Date: 01-01-2023

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

Identification on the Label/Trade Name:	Cold Sparks Composite TI Powder
Additional Identification:	Not Available
Identification of the Product:	See Section 3
Index Number:	See Section 3
REACH Registration No.:	See Section 3

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

1.2.1 Identified Uses

A kind of consumables of the deductive equipment

1.2.2 Uses Advised Against

Not Available

1.3 Details of the Supplier of the Safety Data Sheet

Supplier	Global Special Effects
	11054 County Road 71
	Lexington, AL 35648
	info@globalspecialeffects.com
	(256) 229-5551

1.4 Emergency Telephone Number

(256) 229-5551

SECTION 2: Hazards Identification

2.1 Classification of the Substance or Mixture

2.1.1 Classification:

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labeling, and packaging of substances and mixtures.

2.2 Label Elements

Hazard Pictograms:	No Hazard Pictogram is Used
Signal Word(s):	No Signal Word is Used
Hazard Statement:	Not Applicable
Precautionary Statement:	Not Applicable

2.3 Other Hazards

Not Available

SECTION 3: Composition/Information on the Ingredients

Substance/Mixture:	Mixture
Ingredients:	Metal Granules Mixture
	This metal granules ingredients are in Compliance with the Dangerous Substances Directive 67/548/EEC or Regulation (EC) No. 1272/2008.

SECTION 4: First Aid Measures

4.1 Description of First Aid Measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In Case of Inhalation

Move to fresh air and keep at rest in a comfortable position for breathing.
Seek medical attention if adverse health effects persist or are severe.

4.1.2 In Case of Skin Contact

Wash off with soap and plenty of water. Remove any contaminated clothing.
Seek medical attention if adverse health effects persist or are severe.

4.1.3 In Case of Eye Contact

Rinse eyes with plenty of water, occasionally lifting the upper and lower eyelids. Remove contacts if able. Seek medical attention if adverse health effects persist or are severe.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed:

The product is not classified as harmful to human health.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed:

Symptomatic treatment

SECTION 5: Firefighting Measures

5.1 Extinguishable Media:

Suitable Extinguishing Media: Sand

Unsuitable Extinguishing Media: Dry powder fire extinguisher, water, carbon dioxide, and foam air extinguisher

5.2 Special Hazards Arising from the Substance or Mixture

The material could be burned when contact with open fire and it could also be burned in carbon dioxide and nitrogen gas. Harmful combustion product: carbon oxides.

5.3 Advice for Firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures

6.1.1 For Non-Emergency Personnel: Evacuate area. Provide adequate ventilation. Recommended emergency personnel wear self-positive pressure respirator, wear ordinary work clothes.

6.1.2 For Emergency Responders: Avoid skin and eye contact. Refer to Section 8 of Safety Data Sheet for personal protection details.

6.2 Environmental Precautions:

Avoid disposing into drainage/sewer system or directly into the aquatic environment.

6.3 Methods and Material for Containment and Cleaning Up:**Methods for Cleaning Up:**

A small amount of leakage: Use non-sparking tools to collect, dry, and clean the material and store in a container with a cap for recovery.
A large number of leaks: Cover with plastic sheet or canvas. Use non-sparking tools to collect for recovery.

6.4 Reference to Other Sections:

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and Storage**7.1 Precautions for Safe Handling:****7.1.1 Protective Measures:**

Operator must undergo special training; strictly comply with the operating procedures. Recommend operator to wear self-absorption filter dust masks, chemical safety glasses, and chemical gloves. Workplace must be away from fire and heat source and no smoking. Ventilation systems and equipment must be explosion proof type. Avoid contact with acids. Carry lightly and maintain complete packaging to prevent leakage. Firefighting equipment and leakage emergency treatment equipment need to be equipped with enough variety and quantity.

7.1.2 Advice on General Occupational Hygiene

Do not eat, drink, or smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for Safe Storage, Including Any Incompatibilities:

For safety, store in a cool, ventilated warehouse. Warehouse must be away from direct fire and heat sources. Package should remain sealed. Avoid mixed storage and store separately from acids. Ventilation systems and equipment must be explosion proof type. Mechanical equipment and tools must not spark. Storage area should be equipped with appropriate material to contain leakage

7.3 Specific End Use(s)

No Data Available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

8.1.1 Occupational Exposure Limits:

Not Available

8.1.2: Additional Exposure Limits Under Conditions of Use:

Not Available

8.1.3 DNEL/DMEL and PNEC-Values:

Not Available

8.2 Exposure Controls:

8.2.1 Appropriate Engineering Controls:

General special protection is not necessary, but be mindful to prevent smoke and dust hazards.

8.2.2 Individual Protection Measure, Such as Personal Protective Equipment

Eye/Face Protection:

Goggles, when dust concentration exceeds the standard, wear chemical safety glasses.

Hand Protection:

Wear chemical gloves.

Body Protection:

Wear general protective clothing.

Respiratory Protection:

When dust concentration exceeds the standard, it is recommended to wear self-absorption filter dust masks.

Thermal Hazards:

Wear suitable protective clothing to prevent heat.

8.2.3 Environmental Exposure Controls:

Avoid discharge into the environment. Dispose of rinse water in accordance with local and national regulations.

SECTION 9: Physical and Chemical Properties**9.1 Information on Basic Physical and Chemical Properties**

Appearance:	Solid
Color:	Ash Black
Odor:	Odorless
Odor Threshold:	Not Available
pH:	Not Available
Melting Point/Range (°C):	Not Available
Boiling Point/Range (°C):	Not Available
Flash Point (°C):	Not Available
Evaporation Rate:	Not Available
Flammability Limit - Lower (%):	Not Available
Flammability (Solid, Gas):	Not Available
Ignition Temperatures (°C):	Not Available
Upper/Lower Explosive Limits:	Not Available
Vapor Pressure (20°C):	Not Available
Vapor Density:	Not Available
Relative Density:	5.7
Bulk Density (kg/m³):	Not Available
Water Solubility (g/l):	Insoluble in Water
n-Octanol/Water (log Po/w):	Not Available
Auto-Ignition Temperature:	4000°C
Dynamic Viscosity (mPa S):	Not Available
Explosive Properties:	Not Available
Oxidizing Properties:	Not Available

9.2 Other Information

Fat Solubility (Solvent - Oil to be Specified):	Soluble in hot concentrated acid, hydrofluoric acid, sulfuric acid, and aqua regia.
Surface Tension:	Not Available
Dissociation Constant in Water (pKa):	Not Available
Oxidation-Reduction Potential:	Not Available

SECTION 10: Stability and Reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical Stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of Hazardous Reactions:	No dangerous reactions known.
10.4 Conditions to Avoid:	Incompatible materials. Avoid heat, air, moisture.
10.5 Incompatible Materials:	Acid, oxygen, and lead.
10.6 Hazardous Decomposition Products:	Refer to Section 5.2.

SECTION 11: Toxicological Information

11.1 Information on Toxicological Effects:

Acute Toxicity:	Not Classified.
Skin Corrosion/Irritation:	Not Classified.
Serious Eye Damage/Irritation:	Not Classified.
Respiratory or Skin Sensitization:	Not Classified.
Germ Cell Mutagenicity:	Not Classified.
Carcinogenicity:	Not Classified.
Reproductive Toxicity:	Not Classified.
STOT-Single Exposure:	Not Classified.
STOT-Repeated Exposure:	Not Classified.
Aspiration Hazard:	Not Classified.

SECTION 12: Ecological Information

12.1 Toxicity:

According to the criteria of the European Classification and Labeling System, the substance/product has not to be labeled as “dangerous for the environment.”

12.2 Persistence and Degradability:

Not Available.

12.3 Bioaccumulative Potential:

Not Available.

12.4 Mobility in Soil:

Not Available.

12.5 Results of PBT and vPvB Assessment:

Not Available.

12.6 Other Adverse Effects:

Not Available.

SECTION 13: Ecological Information

13.1 Waste Treatment Methods:

The material should be disposed by incineration in a chemical incineration in compliance with national and regional requirements.

SECTION 14: Transport Information

	Land Transport (ADR/RID)	Inland Waterways (AND)	Sea Transport (IMDG)	Air Transport (IACO/IATA)
UN Number	Not Regulated	Not Regulated	Not Regulated	Not Regulated
UN Proper Shipping Name	Not Regulated	Not Regulated	Not Regulated	Not Regulated
Transport Hazard Class(es)	Not Regulated	Not Regulated	Not Regulated	Not Regulated
Packing Group	Not Regulated	Not Regulated	Not Regulated	Not Regulated
Environmental Hazards	No	No	No	No
Special Precautions for User	Section 2.2	Section 2.2	Section 2.2	Section 2.2
Transport in Bulk According to Annex II of Marpol and the IBC Code	Not Regulated	Not Regulated	Not Regulated	Not Regulated

SECTION 15: Regulatory Information

15.1 Safety, Health, and Environmental Regulations/Legislation Specific for the Substance or Mixture

Relevant Information Regarding Authorization:

Not Applicable

Relevant Information Regarding Restriction:

Not Applicable

Other EU Regulations:

Employment restrictions concerning young persons must be observed. For use only by technically qualified individuals.

Other National Regulations:

Not Applicable

15.2 Chemical Safety Assessment:

No

SECTION 16: Other Information

16.1 Indication of Changes:

Amended by (EU) 2015/830

16.2 Abbreviations and Acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulation for All Rail International Transportation of Dangerous Goods

ADN: European agreement concerning the International Carriage of Dangerous goods by Inland Waterways

IMDG: International Maritime Dangerous Goods Code

ICAO: International Civil Aviation Organization

IATA: International Air Transportation Association

LC50: Median Lethal Concentration

EC50: The effective concentration of substances that causes 50% of the maximum response

NOEC: No Observed Effect Concentration

DNEL: Derived No-Effect Level

PNEC: Predicted No-Effect Concentration

16.3 Key Literature References and Sources for Data

ECHA Registered Substances Data

16.4 Training Instructions:

Not Applicable

16.5 Further Information:

This information is based upon the present state of our knowledge. This SDS has been compiled as is solely intended for this product.

16.6 Notice to Reader:

Employers should use this information only as a supplement to other information gathered by them, and should make an independent judgment of suitability of this information to ensure proper use and protect the health and safety of others. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

