Safety Data Sheet

Prepared August 7, 2012
Revised March 27, 2026

1. Idenftification

Product name : SPCC

Company : Tokushu Kinzoku Excel Co., Ltd.
Address : 56 Tamagawa Tokigawa-machi Hiki-gun Saitama, Japan
Contact department : ISO Secretariat
Tell : +81-493-65-3577
Fax : +81-493-65-4479
Emergency phone number
: Same as above
Recommended use : Various precision equipment, industrial equipment, industrial blades/tools, etc.
Restrictions on use
: Seek the judgment of a specialist, such as a chemical substance manager, if there is a possibility that dust may be generated by processing, or similar operations.
Reference : JIS Z 7253:2019
NITE Chemical Risk Information Platform (NITE-CHRIP)

2. Hazard identification

GHS classification

Physical hazards

Explosives	: No classification
Flammable gases	: No classification
Aerosols	: No classification
Oxidizing gases	: No classification
Gases under pressure	: No classification
Flammable liquids	: No classification
Flammable solids	: No classification
Self-reactive substances and mixtures	: No classification
Phyrophoric liquids	: No classification
Phyrophoric solids	: Classification not possible
Self-heating substances and mixtures	: No classification
Substances and mixtures which, in contact with water, emit flammable gases	: No classification
Oxidizing liquids	: No classification
Oxidizing solids	: No classification
Organic peroxides	: No classification
Corrosive to metals	: Classification not possible
Desensitized explosives	: No classification

Health hazards

Acute toxicity - Oral	: No classification
Acute toxicity - Dermal	: No classification
Acute toxicity - Gases	: Classification not possible
Acute toxicity - Vapours	: Classification not possible
Acute toxicity - Dusts and Mists	: No classification
Skin corrosion/irritation	: No classification
Serious eye damage/irritation	: No classification

Respiratory sensitization : No classification
Skin sensitization : Category 1
Germ cell mutagenicity : Classification not possible
Carcinogenicity : Category 2
Reproductive toxicity : Category 1
Specific target organ toxicity – Single exposure
: No classification
Specific target organ toxicity – Repeated exposure
: Category 1 (respiratory system, nerve sy
Aspiration hazard : Classification not possible
Environmental hazards
Hazardous to the aquatic environment – Short-term (acute) hazard
: No classification
Hazardous to the aquatic environment – Long-term (chronic) hazard
: No classification
Hazardous to the ozone layer : Classification not possible

Label elements
Symbol

Single word
Danger

Hazard statement
- H317 May cause an allergic skin reaction
- H351 Suspected of causing cancer
- H360 May damage fertility or the unborn child
- H372 Causes damage to organs <respiratory system, nerve system> through prolonged or repeated exposure

Precautionary statements
Prevention
- P202 Do not handle until all safety precautions have been read and understood.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response
- P314 Get medical advice/attention if you feel unwell.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.

Storage
- P405 Store locked up.

Disposal
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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3. Composition/information on ingredients

Chemical identity of the substance : Mixture (Alloy)

Common names, synonym of the substance: Cold-reduced carbon steel strip
Identification number and concentration of all hazardous ingredients

Chemical name	Formula	Percent (%)	CAS No.
Iron	Fe	Balance	7439-89-6
Manganese	Mn	≦1	7439-96-5
Carbon	C	≦0.15	7440-44-0
Phosphorus	P	≦0.1	7723-14-0
Nickel	Ni	≦0.1	7440-02-0
Copper	Cu	≦0.1	7440-50-8

*The component may include 0.1% or less of trace elements.

4. First-aid measures

Inhalation : Remove person to fresh air and keep comfortable for breathing.
If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
Skin contact : Wash with plenty of soap and water.
IF exposed or concerned: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
Eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
Swallowing : Rinse mouth. Immediately consult a doctor.

5. Fire-fighting measures

Suitable extinguishing media : Foam fire extinguisher, sand
Unsuitable extinguishing media : CO2, water spray

6. Accidental release measures

It is the solid with the shape, and there is not the applicable matter.

7. Handling and storage

Handling : Be careful with falling accident. Wear safeguard tools to be not injured by sharp edge.
Storage : Store in a well-ventilated place. Keep container tightly closed.
Store locked up.

8. Exposure controls/personal protection

Control concentration :

Name	ACGIH TWA(mg/m^3)	Japan Society for Occupational Health AEL(mg/m^3)
Manganese	0.02(R)/0.1(I)	0.2
Nickel	1.5(I)	1
Copper(Dusts and mists/Fume)	1/0.2	-

Remarks
Reference: NITE Chemical Risk Information Platform (NITE-CHRIP)
(R): Respirable fraction
(I): Inhalable fraction

Protective equipment
Respiratory protection : If powder occurs: local exhaust or breathing protection
Hand protection : If the fingers may be damaged: protective gloves

Eye protection : If powder occurs: safety goggles
Skin protection : If heavy goods are handled: protective cloth

9. Physical and chemical properties

Physical state : Tabular solid
Colour : Silver
Odour : Odorless
Density : 7.87 g/cm^3
Other physical and chemical properties
: No data

10. Stability and reactivity

Reactivity : Generally this product is considering a stable material.
Chemical stability : Generally this product is considering a stable material.
Possibility of hazardous reactions
: Hydrogen is produced in response to acid.
Conditions to avoid : Contact with the acid
Incompatible materials : Potassium permanganate, chlorate, acid
Hazardous decomposition products
: Hydrogen

11. Toxicological information

Name	Manganese	Nickel	Copper
Acute toxicity			
– Oral	Not classified	Not classified	Classification not possible
– Dermal	Classification not possible	Classification not possible	Classification not possible
– Gases	Not applicable	Not applicable	Not applicable
– Vapours	Classification not possible	Classification not possible	Not applicable
– Dusts and Mists	Not classified	Classification not possible	Classification not possible
Skin corrosion/irritation	Not classified	Classification not possible	Classification not possible
Serious eye damage/irritation	Not classified	Classification not possible	Classification not possible
Respiratory sensitization	Classification not possible	Category 1	Classification not possible
Skin sensitization	Not classified	Category 1	Category 1A
Germ cell mutagenicity	Classification not possible	Classification not possible	Classification not possible
Carcinogenicity	Classification not possible	Category 2	Classification not possible
Reproductive toxicity	Category 1B	Classification not possible	Classification not possible

STOT – Single exposure	Classification not possible	Category 1 (respiratory system, kidney)	Category 1 (digestive system), Category 3 (respiratory tract irritation)
STOT – Repeated exposure	Category 1 (nerve system, respiratory system)	Category 1 (respiratory system)	Classification not possible
Aspiration hazard	Classification not possible	Classification not possible	Classification not possible

Reference: NITE Chemical Risk Information Platform (NITE-CHRIP)

12. Ecological information

Hazardous to the aquatic environment_acute hazard
: No classification
Hazardous to the aquatic environment_long-term hazard
: No classification
Hazardous to the ozone layer
: No data
Other ecological information
: No data

13. Disposal considerations

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

14. Transport information

UN No : Not applicable
Domestic restriction
Fire Service Act : Not applicable
Ship Safety Act : Not applicable
Civil Aeronautics Act : Not applicable
Internationnal restriction
IMO information : Not applicable
IATA/ICAO information : Not applicable

15. Regulatory information

Regulation (Japan)	Iron	Manganese	Nickel
Industrial Safety and Health Act	–	Appendix No. 9-30 of the Cabinet Order	Appendix No. 9-24 of the Cabinet Order
PRTR Law (Act on the Assessment of Releases of Specified Chemical Substances in the Environment and the Promotion of Management Improvement)	–	Control No. 412	–
Poisonous and Deleterious Substances Control Act	–	–	–
Air Pollution Control Act	–	Cabinet Order: Central Environment Council 9th Report (Table 1), No. 225	Cabinet Order: Central Environment Council 9th Report (Table 1), No. 148
Water Pollution Control Act	Cabinet Order: Article 3-3, Item 52	Cabinet Order: Article 3-3, Item 51	Cabinet Order: Article 3-3, Item 45
Soil Contamination Countermeasures Act	–	–	–
Fire Service Act	Iron powder：Class 2 - Flammable Solid	–	–

Regulation (Japan)	Copper
Industrial Safety and Health Act	Appendix No. 9-22 of the Cabinet Order
PRTR Law (Act on the Assessment of Releases of Specified Chemical Substances in the Environment and the Promotion of Management Improvement)	–
Poisonous and Deleterious Substances Control Act	–
Air Pollution Control Act	Cabinet Order: Central Environment Council 9th Report (Table 1), No. 128
Water Pollution Control Act	Cabinet Order: Article 3-3, Item 53
Soil Contamination Countermeasures Act	–
Fire Service Act	–

Reference: NITE Chemical Risk Information Platform (NITE-CHRIP)

16. Other information

The purpose of this Safety Data Sheet (SDS) is to provide information for safe handling. No warranties are made as to physical properties, hazard information, or any other information.

This Safety Data Sheet (SDS) is based on materials, information, and data available at the time of preparation. Its contents are not guaranteed for the future. All products have the potential for unknown hazards and should be handled with care.

For special handling or use, such as in combination with other chemicals, implement precautions appropriate to the conditions of use.

This Safety Data Sheet (SDS) has been prepared in accordance with the laws and regulations of Japan. When using the product outside of Japan, please confirm the laws and regulations to be observed with the appropriate authorities or business operators in the country or region where the product will be used.