

Safety Data Sheet (SDS)**1 Identification of the substance/mixture and of the company/undertaking**

- .Product name:** Stainless Steel Products
- .Product material:** 304
- .Manufacturer/Supplier:** Yieh Corp
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2 Hazards identification

- .Classification of the substance or mixture**
- .Classification according to GHS :**
The product no hazards classified according to the GHS.
- .Classification according to Regulation (EC) No 1272/2008:**
The product no hazards classified according to the CLP regulation.
- .Classification according to OSHA Hazard Communication Standard (29 CFR 1910.1200):**
The product no hazards classified according to OSHA Hazard Communication Standard (29 CFR 1910.1200).
- .Labelling elements according to GHS:**
 - Hazard pictograms:** Not applicable.
 - Signal word:** Not applicable.
 - Hazard statements:** Not applicable.
 - Precautionary statements:** Not applicable.
- .Potential Physical hazards Health hazards Effects:** *This products in their solid state under normal conditions do not present health hazards and Physical hazards.*
However, operations resulting in dust/fume/powder/turnings formation such as sawing, grinding and machining may present health hazards and Physical hazards.
- .Chronic or Special Toxic Effects:**
 - Carcinogenicity:** *This material no known carcinogenic hazards.*
 - Germ cell mutagenicity:** *Not available.*
 - Reproductive toxicity:** *Not available.*
- .Results of PBT and vPvB assessment :** *Not applicable.*
- .Other hazards:** *No further relevant information available.*



3 Composition/information on ingredients

. Description: Mixture of substances as per client submission listed below with additions

Components	CAS No.	Approximate by Wt. (%)	Exposure Limits (mg/m ³)	
			ACGIH TLV-TWA	OSHA PEL-TWA
Iron (Fe)	7439-89-6	68~74	5 Oxide Dust/Fume	10 Oxide Dust/Fume
Chromium (Cr)	7440-47-3	18.0~20.0	0.5 (Cr)	1(Cr)
Nickel (Ni)	7440-02-0	8.0~12.0	1	1 (Ni)

4 First aid measures

Generally not hazardous in normal handling, If necessary, the following routine first-aid measures can be taken

.Eye Contact: In case of overexposure to dusts or fumes, immediately flush eyes with plenty of water for a few minutes occasionally lifting the eye lids. Get medical attention if irritation persists.

.Skin Contact: In case of overexposure to dusts or particulates, wash with soap and plenty of water. Get medical attention if irritation develops or persists. If thermal burn occurs, flush area with cold water and get immediate medical attention.

.Inhalation: In case of overexposure to dusts or fumes, remove to fresh air. Get immediate medical attention if symptoms described in this SDS develop.

.Ingestion: Not considered an ingestion hazard. However, if excessive amounts of dust or particulates are swallowed, Treat symptomatically and supportively. Get medical attention.

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

.Indication of any immediate medical attention and special treatment needed: No special treatment required.

5 Fire-fighting measures

.Suitable extinguishing media: Water, Sand, CO2, Extinguishing powde, Foam extinguisher.

.Unsuitable extinguishing media: Do not use halogenated alkyl extinguishing agent in the state of fine particles and dust. Do not use water and foam extinguishing agent in much molten metal.

.Special hazards arising from the substance or mixture: Powder or dust dispersed in the air is at risk of dust explosion.

.Hazardous decomposition products in case of fire: Metal oxides and harmful fumes.

.Firefighters protective equipment and protection measures: Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents Avoid breathing fire gases or vapors.

6 Accidental release measures

.Personal precautions, protective equipment and emergency procedures:

For personal protection, see Section 8.

.Measures for environmental protection:

Product may contain reportable quantities of alloying elements,

Do not allow much product to reach sewage system or any water course.

.Methods and material for containment and cleaning up:

This product is solid, Small leak is meaningless, where have scattered on the ground only need to clean up it,

Scrap should be reclaimed for recycling. The recycling personnel should take the corresponding personal protection.

.Waste Disposal Methods:

Dispose unused product in accordance with applicable Federal, State, and Local regulations.

7 Handling and storage

.Precautions for safe handling: In case of dust, keep ventilation and local exhaust air if necessary,

Do not eat, drink or smoke during the handling, Clean the contact area thoroughly after handling.

.Conditions for safe storage, including any incompatibilities:

Store in a dry place, keep away from strong acids, strong oxidizers and other metal corrosive substances,

Avoid breathing dusts or fumes from processing.

8 Exposure controls/personal protection

.Control parameters: Occupational exposure limits values see section 3.

.Appropriate engineering controls: Operations with potential for generating high concentrations of airborne particulates or fumes should be evaluated and controlled as necessary. enhance ventilation, Provide safety shower and eyewash equipment.

.Personal protective equipment

.Eye Protection: Generally do not need. Dust resistant safety goggles are recommended under circumstances where particles could cause mechanical injury such as grinding or cutting.

.Skin: Generally do not need, When machine Appropriate protective gloves should be worn as necessary. Good personal hygiene practices should be followed Including cleansing exposed skin several times daily with soap.

.Respiratory Protection: NIOSH/MSHA approved dust/fume/mist respirator should be used to avoid excessive exposure. See Section 3 for component material information exposure limits. If such concentrations are sufficiently high that this respirator is inadequate, or high enough to cause oxygen deficiency, use a positive pressure self-contained breathing apparatus (SCBA) Follow all applicable respirator use, fitting, and training standards and regulations.

9 Physical and chemical properties

.General Information	
Form:	Solid
Color:	Silvery
Odor:	Odorless
.Change in condition	
Melting point/Melting range:	About 1500 °C
Boiling point/Boiling range:	About 2750 °C
.Tensile strength:	Not available
.Elongation:	Not available
.Reduction of area:	Not available
.Density:	
.Relative density:	7~8 (water=1)
.Vapor density:	Not available
.Solubility in/Miscibility with	
Water:	Insoluble

10 Stability and reactivity

- .Reactivity and Chemical Stability:** Stable under normal temperatures and pressures.
- .Possibility of hazardous reactions:** No further relevant information available.
- .Conditions to Avoid:** Avoid dampness and reactive materials.
- .Incompatible Materials:** Strong oxidizers, strong acid /alkali and metallic corrosive substances.
- .Hazardous Decomposition Products:** Metal oxides and harmful fumes.

11 Toxicological information

- .Toxicity to Animals:**
 - LD50: Not available.
 - LC50: Not available.
- .Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
- .Serious eye damage/irritation:** Based on available data, the classification criteria are not met.
- .Respiratory or skin sensitization:** Based on available data, the classification criteria are not met.
- .STOT-single exposure:** Based on available data, the classification criteria are not met.
- .STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- .Aspiration hazard:** Based on available data, the classification criteria are not met.
- .Information on other hazards:** No further relevant information available.

12 Ecological information

- .Ecotoxicity: No information available.*
- .Persistence and degradability: No further relevant information available.*
- .Bioaccumulative potential: No further relevant information available.*
- .Mobility in soil: No further relevant information available.*
- .Other adverse effects: No further relevant information available.*

13 Disposal considerations

- .Waste treatment methods: Comply with Federal, State, and local regulations*
- .Material Disposal: Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and Physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses.*
- .Container Disposal: Dispose in accordance with prevailing regulations, preferably to a recognised collector or contractor. The competence of the collector or contractor should be established beforehand.*
- .Local Legislation: Disposal should be in accordance with applicable regional, national, local laws and regulations.*

14 Transport information

- .UN Proper Shipping Name: Not regulated*
- .UN Number : Not applicable*
- .Packing Group: Not applicable*
- .Marine Pollutant: Not.*
- .Transport Hazard Class(es)*
ADR/RID, DOT, TDG, IATA, IMDG: Not applicable.
- .Hazardous Substance Reportable Quantity: Not available.*
- .Special Provisions for Transport: Not applicable.*

15 Regulatory information

- .Safety, health and environmental regulations/legislation specific for the substance or mixture*
- .Toxic Substances Control Act (TSCA): Most components are listed as commercial status active on the TSCA.*
- .WHMIS: Not classified as Dangerous Goods according to WHMIS.*
- .California Prop.65: There are no Proposition 65 chemicals present in this products levels that would require a warning under the California Safe Drinking Water and Toxic Enforcement Act.*
- .Chemicals known to cause developmental toxicity: None of the ingredients is listed.*
- .Chemical safety assessment: A Chemical Safety Assessment has not been carried out.*

16 Other information

The contents and format of this SDS Comprehensive reference with ISO Commission Directive ISO11014:2009, GHS.

DISCLAIMER OF LIABILITY

This Safety Data Sheet (SDS) is provided to applicant to fulfill GHS and communicate the hazard information of chemicals through the supply chain to ensure safe use. It is not a test report or a certificate ensuring the safety of a product. Jeston has consolidated product information based on documents provided by Applicant (i.e. product name, the supplier details, product composition, available physical data, etc.) without independent verification from Jeston.

The information in this SDS 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, injury or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

.Abbreviations and acronyms:

GHS: Globally Harmonized System of Classification and Labelling of Chemicals.

CLP: Classification, labeling and packaging.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

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

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.

TDG: Transportation of Dangerous Goods Program of Canada.

DOT: U.S. Department of Transportation.

OSHA: Occupational Safety and Health Administration.

ACGIH: American Conference of Governmental Industrial Hygienists.

TLV: Threshold Limit Values.

TWA: Time-weighted average.

PEL: Permissible exposure limits.

TSCA: Toxic Substances Control Act.

LC50: Lethal concentration, 50 percent.

LD50: Lethal dose, 50 percent.

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: very Persistent and very Bioaccumulative.

WHMIS: Workplace Hazardous Materials Information System.

*****The End*****