SAFETY DATA SHEET
Version 01 Date: 12/12/2017

1.IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name: Magnetic tools KEN-553-0100K

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

Use of the substance/mixture: Used in motors and generators.

1.3 Details of the supplier of the safety data sheet

Company name:Nantong Sangu International Trade Co., Ltd.

Contact person: Hongzhi wanghong

Duty: Sales manager

Address: Room 303,13th building Yihe Garden Nantong,China Telephone number: +86-513-81182320

E-mail address: sangutools@vip.sina.com

1.4 Emergency telephone number:

+86-513-81182320

Other information: /

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance/mixture according to Regulation (EC) No 1272/2008(CLP):Physical hazards

No information available.

Health hazards

No information available.

Environmental hazards

No information available.

2.2 Label Elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

The product is classified and labelled according to the CLP regulation.

Hazard pictogram(s): None.

Signal Word: None.

Hazard Statements

No information available.

Precautionary statements

No information available.

2.3 Other hazards

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Concentration/ %	CAS NO.	EC NO	CLP Classification - Regulation (EC) No 1272/2008
Iron	65	7439-89-6	231-096-4	No data available.
Neodymium	28	7440-00-8	231-109-3	No data available.
Boron	1	7440-42-8	231-151-2	No data available.
Other Component	6	-	-	-

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye Contact Immediately rinse open eyes with running water for at least 15 minutes. seek medical advice if irritation develops or persists.

Skin Contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention immediately if symptoms occur.

Ingestion Do not induce vomiting without medical advice. Clean mouth with water. Never administer anything by mouth to an unconscious person. Obtain medical aid immediately.

Inhalation Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical aid immediately if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Water spray. Carbon dioxide (CO2). Dry chemical. Chemical foam.

Unsuitable extinguishing media:

No information available.

5.2 Special hazards arising from the substance or mixture

No information available.

5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Ensure adequate ventilation, Avoid dust formation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment. Avoid breathing vapors,
mist, gas or dust.

6.1.2 For emergency responders

Use suitable protective equipment for personal protection.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains, surface and ground water.

6.3 Methods and material for containment and cleaning up

Sweep up, vacuum and collect in suitable, closed containers for recovery or disposal.

6.4 Reference to other sections

If appropriate Sections 8 and 13 shall be referred to.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure adequate ventilation. Wear personal protective equipment. Avoid direct physical contact. Do not breathe dust. Do not breathe vapors or spray mist. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or
smoke while handling. Keep far away from flammable materials and heat source. Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well-ventilated location in a tightly sealed container or cylinder. To maintain product quality, do
not store in heat or direct sunlight. Keep away from incompatible materials, heat and sources of ignition. Secure and
label area. Protect containers/cylinders from physical damage.

7.3 Specific end use(s)

No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure limit values

Component	Bulgaria	Russia	Slovak Republic
Iron(7439-89-6)	TWA: 6.0 mg/m3	TWA: 10 mg/m3	TWA: 6.0 mg/m3 total aerosol

Biological limit values

This product, as supplied, does not contain any hazardous materials with biological limits established by the region
specific regulatory bodies.

Monitoring procedure

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

Derived No Effect Level (DNEL)	No information available.
Predicted No Effect Concentration (PNEC)	No information available.

8.2 Exposure controls

8.2.1 Appropriate engineering Measures

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

8.2.2 Individual protection measures

Eye and face protection	Safety glasses with side-shields
Skin protection	Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory protection	Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Thermal hazards	No information available.
8.2.3 Environmental exposure controls	

Avoid dust formation.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance : Solid.
Odour : No data available.
Odour Threshold : No data available.
pH : No data available.
Melting point/freezing point : No data available.
Initial boiling point and boiling range : No data available.
Flash point : No data available.
Evaporation rate : No data available.
Upper/lower flammability/explosive limits : Nonflammable.
Vapour pressure/ density : No data available.
Relative density : No data available.
Solubility(ies) : No data available.
Water solubility : Insoluble in water.
Auto-ignition temperature : No data available.
Decomposition temperature : No data available.
Viscosity : No data available.
Explosive properties : Non explosive.
Oxidising properties : No information available.

9.2 Other information

No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to avoid

Incompatible products, Excess heat.

10.5 Incompatible materials

Strong oxidizing agents.Strong acids.Strong base.

10.6 Hazardous decomposition products

None under normal use conditions.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

(a) acute Toxicity

Toxicology data for the components

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Iron(7439-89-6)	7500 mg/kg (Rat)	No data available.	No data available.

(b) skin corrosion/irritation No information available.

(c) serious eye damage/irritation No information available.

(d) respiratory or skin sensitisation

Respiratory No information available.

Skin No information available.

(e) germ cell mutagenicity No information available.

(f) carcinogenicity No information available.

(g) reproductive toxicity No information available.

(h) STOT-single exposure No information available.

(i) STOT-repeated exposure No information available.

Target Organs No information available.

(j) aspiration hazard No information available.

Other Adverse Effects The toxicological properties have not been fully investigated.

Endocrine Disruptor Information None known.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity effects Do not empty into drains.The product contains following substance(s) which are hazardous for the environment.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Iron(7439-89-6)	No data available.	LC50: = 13.6 mg/L, 96h static (Morone saxatilis)	No data available.	No data available.

12.2 Persistence and degradability No information available.
12.3 Bioaccumulative potential No information available.
12.4 Mobility in soil No information available.
12.5 Results of PBT and vPvB assessment
No data available for assessment.
12.6 Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Waste from Residues / Unused Products
Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations.
Contaminated Packaging Empty remaining contents. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

IMDG/IMO	Not regulated.
14.1 UN number **14.2 UN proper shipping name** **14.3 Transport hazard class(es)** **14.4 Packing group** **ADR/RID**	Not regulated.

14.1 UN number
14.2 UN proper shipping name

14.3 Transport hazard class(es) **14.4 Packing group** **ICAO/IATA**	Not regulated.
14.1 UN number **14.2 UN proper shipping name** **14.3 Transport hazard class(es)** **14.4 Packing group** **14.5 Environmental hazards**	No hazards identified.
14.6 Special precautions for user	No special precautions required.
14.7 Transport in bulk according to Annex	Not applicable, packaged goods.

II of Marpol73/78 and the IBC Code

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

International Inventories X = listed

Component	EINECS	NZIoC	TSCA	DSL	NDSL	PICCS	ENCS	IECSC	AICS	KECI
Iron	231-096-4	X	X	X	-	X	-	X	X	X
Neodymium	231-109-3	X	X	X	-	-	-	X	X	X
Boron	231-151-2	X	X	X	-	X	-	X	X	X

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS - European Inventory of Existing Commercial Chemical Substances
NZIoC - New Zealand Inventory of Chemicals
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECI - Korea Existing Chemicals Inventory

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

16. OTHER INFORMATION

This SDS complies with the requirements of Regulation (EC) No. 1907/2006 (REACH) Annex II, Regulation (EC) No. 1272/2008, Regulation (EU) No. 453/2010 and Regulation (EU) No. 2015/830.

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