Material Safety Data Sheet
Conforms to ISO 11014-1 and the South African Occupational Health and Safety Act (Act 85 of 1993)

STEEL GRIT

COMPANY DETAILS

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SECTION 1 –PRODUCT AND COMPANY IDENTIFICATION

Trade name:	Steel Grit	CAS Number:	N/A
Chemical Family:	Carbon Steel	NOISH Number:	N/A
Chemical Name:	N/A	Hazchem Code:	N/A
Synonyms:	High Carbon Steel	UN Number:	N/A

SECTION 2 – COMPOSITION AND INFORMATION ON INGREDIENTS

Iron	**Fe**	**97**	**1309-37-1**
Carbon	**C**	**0.85 – 1.20**	**1333-86-4**
Manganese	**Mn**	**0.60 – 1.20**	**7439-96-5**
Silicon	**Si**	**0.50 – 1.20**	**7440-21-3**

SECTION 3 – HAZARDS IDENTIFICATION

Non toxic	As supplied
Non corrosive	As supplied
Non irritant	Provided standard safety precautions are taken during handling/use. i.e. gloves and eye protection in the form of safety spectacles or goggles and respiratory dust masks.
Fire-Explosion	Particles liable to produce a fire hazard are:- Metal dust (Dust is produced by the fragmentation of the abrasive and particles removed from the item being blasted). Dust produced when blasting metals coated with paint, rubber,

plastic etc.

SECTION 4 – FIRST AID MEASURES

In the case of eye contact irrigate with water and seek medical assistance / advice.
In the case of ingestion seek medical advice.

SECTION 5 – FIRE FIGHTING MEASURES

Material is non-flammable as supplied.
In the event of dry fire (packaging): ABC powder, water, foam.
In the event of metal fire: Powders, CO_2.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Should spillage occur, material has a destabilising effect on floors and can cause staff to slip.
Simple mechanical methods (brooms and shovels) are adequate for removal.

SECTION 7 – HANDLING AND STORAGE

Handling:
Material is supplied in pack weights varying from 25kg to l500kg.
Proper training in MANUAL HANDLING and MECHANICAL HANDLING is advised.

Transport:
Ensure secure pack.

Storage: Keep dry in a stable environment

Usage:
Avoid spillage.

Disposal:
Material is readily recyclable as steel scrap in the supplied condition. Should the material become contaminated in a way during use, it is the user's duty to consider suitable means of disposal.

NOTE:
Packaging consists of wooden pallets, paper, polythene / polypropylene and cardboard and appropriate measures for recycling / disposal should be considered.
Packaging if disposed of, according to local environmental regulations, will cause no hazards to the environment or user.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Abrasive applications may result in the formation of dust which is predominantly iron, which could oxidise under prevailing conditions. The use of P.P.E. is recommended in the form of gloves, safety spectacles or goggles and respiratory dust masks

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Melting point:	1500'C	Flash point:	Not applicable
Physical state:	Solid	Explosiveness:	Not applicable
Odour:	None	Solubility:	Insoluble in water
Density:	3-5 T/M³	pH:	Not applicable

SECTION 10 – STABILITY AND REACTIVITY

Known decomposition product:	None
Stability during storage:	Oxidation to form iron oxide in conditions of unstable humidity and temperature.
Storage life:	Unlimited

SECTION 11 – TOXICOLOGICAL INFORMATION

Tests carried out on abrasive samples show that there are no specific pollutants or toxins.

SECTION 12 – ECOLOGICAL INFORMATION

Not available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dust and used abrasive contain contaminants resulting from the industrial process. Each user must study the problem of waste in relation to his specific activity.

SECTION 14 – TRANSPORT INFORMATION

International regulations (concerning dangerous substances):	None
Transport outside storage areas:	Protect against dampness.
Transport inside storage areas:	No special measures are required.

SECTION 15 – REGULATORY INFORMATION

As supplied the product is not subject to any specific provision.

SECTION 16 – OTHER INFORMATION

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