# MATERIAL SAFETY DATA SHEET (ELITE)

### PRODUCT DESCRIPTION

MATERIAL IDENTIFICATION

Carbon

Chromium

Iron

Manganese

Phosphorus

Silicon

Sulphur

Nickel

Molybdenum

Aluminium

Cobalt

copper

Niobium

Titanium

Vanadium

**Tungsten** 

Nitrogen

HAZARDS IDENTIFICATION

**SECTION 1.** 

SECTION 2.

SECTION 3.

INHALATION

INGESTION

IRON OXIDE

**CHROMIUM** 

NICKEL

SILICON

SECTION 4.

INHALATION

INGESTION

**SUITABLE** 

**PRODUCTS** 

SPECIAL PROTECTIVE

SECTION 7.

HANDLING PRECAUTIONS

STORAGE REQUIREMENTS

RESPIRATORY PROTECTION

SKIN PROTECTION

HYGIENE MEASURES

SECTION 9.

PHYSICAL STATE

SECTION 10.

POSSIBILITY OF HAZARDOUS

**FINISH** 

STABILITY

**REACTIONS** 

SECTION 11.

SECTION 12.

SECTION 13.

SECTION 14.

SECTION 15.

SARA TITLE III SECTION 302

EXTREMELY HAZARDOUS

PACKAGING MATERIAL RECOMMENDED

**ENVIRONMENTAL EXPOSURE CONTROLS** 

SECTION 5.

EXTINGUISHER MEDIA

SPECIAL EXPOSURE HAZARDS

EYE CONTACT SKIN CONTACT

### Our Grating and frame are functional, attractive and economical solution to exterior and interior drainage problem provides

a dynamic and contemporary appearance to complement today's architectural spaces. **MATERIAL USED** 

Stainless Steel - Grade 316

### MANUFACTURER'S NAME

SAKSHI INNOVATIONS PRIVATE LIMITED Gurudwara Somasar Road, P.O. Sahnewal, Village TIBBA, Distt. LUDHIANA-141 120 (INDIA)

COMPOSITION / INFORMATION ON INGREDIENTS CAS No. Chemical Composition % Weight

7440-44-0

7440-47-3

*7*439-89-6

7439-96-5

7723-14-0

7440-21-3

7704-34-9

7440-02-0

7439-98-7

7429-90-5

7440-48-4

7440-50-8

7440-03-1

7440-32-6

7440-62-2

7440-33-7

7440-31-5

7440-38-2

7727-37-9

& appropriate protective equipment for workers.

Fumes & dust may be irritating to respiratory system.

Dust or particles may cause irritation due to abrasion.

Dust or particles may cause mechanical irritation.

0.022

16.77

67.91

1.761

0.039

0.359

0.0055

10.24

2.074

0.013

0.21

0.403

0.019

0.0060

0.069

0.014

0.012

0.0075

0.066

Welding, brazing, cutting, grinding and machining of this material may liberate

hazardous fumes or dust may be generated. Needs adequate exhaust ventilation

Not anticipated under normal circumstances. As such this material is not expected

Chronic inhalation of excessive concentrations of iron oxide fumes or dust may

increase the incidence of bronchitis pneumonia and lung damage and may

on its oxidation state. The metal form (chromium as it exists in this product) is of

Nickel is a common contact allergen & causes some sensitization, allergic contact

Elementary silicon is an inert material which appears to lack the property of

causing fibrosis in lung tissue. However, slight pulmonary lesions have been reported in Laboratory animals from intratracheal ingestion of silicon dust.

workmen chronically exposed . In addition signs of gout have been found in factory workers . The main features were joint pains in the knees, hands, feet, articular

If inhalation of dust / fumes occurs, immediately remove victim from the adverse environment to fresh air and seek medical attention. If breathing has stopped, certified individuals should perform CPR. Keep affected person warm and at rest.

If significant amounts of metal are ingested, seek medical attention.

: In case of fire, use water spray (Fog), foam, dry chemical extinguisher or Co<sup>2</sup>.

: No special fire or explosion hazard. Promptly isolate the scene by removing all

Fire Fighters should wear appropriate protective equipment and Equipment of Fire Fighters self-contained breathing apparatus (SCBA) with afull face-piece

Fumes may be evolved from fires involving finely divided alloy

Providing good ventilation and/or local exhaust systems are used.

NIOSH / MSHA approved dust/mist/fume respirators should be used during

Skin covering working clothes, wear dust proof overalls if large quantity of

smoking or using the lavatory and at the end of the working period.

equipment will be necessary to reduce emissions to acceptable levels.

Under normal conditions of storage and use, hazardous reactions will Not Occur.

The product is practically insoluble in water. In views of its consistency and

Wash all exposed skin and face thoroughly after handling products before eating,

welding, burning and grinding operations, if applicable exposure

	Tin	
	Arsenic	

EFFECT OF SHORT TERM (ACUTE) EXPOSURE

		potentially hazardous fumes & dust. This dust or fumes may be harmful if inhaled.
		Molten material may cause thermal burns.
FLAMMABILITY	:	Not Applicable
PRIMARY ROUTE OF EXPOSURE	:	Inhalation of fumes from Welding or Burning, Dust from Grinding or Cutting.
ROUTE OF EXPOSURE	:	Eye, Skin contact or Inhalation
		Steel production sheet, coil do not pose a significant health hazardous. However
		when subjected to Welding, Burning, Sawing, Brazing & grinding etc. Potentially

to be acutely toxic via ingestion. EFFECT OF LONG-TERM (CHRONIC) EXPOSURE Chronic inhalation of high concentrations of metallic fumes and dusts are

FIRST AIDS MEASURES

FIRE FIGHTING MEASURES

results in development of a benign pneumoconiosis, called siderosis, which is observable as an x-ray change. MANGANESE Chronic exposure to high concentrations of manganese fumes and dusts may

associated with the following conditions.

adversely affect the central nervous system with symptoms resembling Parkinson's disease. The alleged health hazards associated with exposure to chromium are dependent

dermatitis (ACD). Fumes are respiratory irritants and may cause respiratory disease, skin contact can also cause an allergic skin rash, nickel and its compounds have been reported to cause cancer of the lungs and sinuses.

very low toxicity. The hexavalent form is very toxic.

deformities, erythema, and edema of the joint areas.

Silicon dust has little adverse effect on lungs and does not appear to produce significant organic disease or toxic effects when exposures are kept under the TLV. Silicon may cause chronic respiratory e ffects. **MOLYBDENUM** Based on animal experiments, molybdenum and its compounds are highly toxic. Some evidence of liver dysfunction with hyperbilirubinemia have been reported in

**EYES** : If dust/fumes get in eyes, immediately flush with large amounts of running water for several minutes and seek Prompt medical attention. If dust gets on skin wash contaminated area with mild soap and water. Remove SKIN and wash contaminated clothing if rash or irritation persists, seek medical attention.

persons. Vicinity of the incident if there is a fire. HAZARDOUS COMBUSTION Not applicable for solid form alloy. Toxic metal and metallic Oxide.

SECTION 6. ACCIDENTAL RELEASE MEASURES Minimal problems with spills of this product would be expected to occur because of its solid form. Protective Equipment: Gloves and barrier creams may be necessary to prevent skin sensitization and dermatitis.

Store in a dry place.

Use original container.

operated in positive pressure mode.

If your process involves grinding or any other action that causes the release of dust or fumes, approved safety glasses or goggles should be worn

### SECTION 8. **EXPOSURE CONTROLS/ PERSONAL PROTECTIONS**

**HANDELING & STORAGE** 

limits are exceeded. EYE PROTECTION Safety glasses should always be worn when grinding or cutting. Face shields

should be worn when welding or burning.

TECHNICAL MEASURES Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process

MELTING TEMPERATURE 1375-1400 °C DENSITY (G/CM3) 7.750 HARDNESS (HV5) 205

According to our experience and information the product has no harmful effects on health if properly handled.

**REACTIVITY AND STABILITY** 

TOXICOLOGICAL INFORMATION

**ECHOLOGICAL INFORMATION** 

**DISPOSAL CONSIDERATIONS** 

TRANSPORT INFORMATION

**PHYSICAL & CHEMICAL PROPERTIES** 

Solid

No.4 or B.A

The product is stable.

insolubility in water, no ecological Problems are to be expected if the product is properly handled.

#### METHODS OF DISPOSAL Steel scrap should be recycled wherever possible GENERAL INFORMATION Dispose of in accordance with federal, provincial, state Or local regulations.

Material is not listed as a hazardous substance for any mode of transportation. **REGULATORY INFORMATION** 

#### SARA TITLE III HAZARD Product (Dust and Fume) is categorized as an immediate (acute) health hazard **CATEGORIZATION** and a delayed (chronic) Health hazard is defined by 40 CFR 370.

SUBSTANCES (EHSS): SECTION 16.

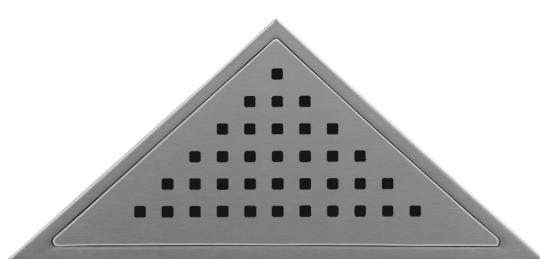
OTHER INFORMATION

No components are listed as extremely hazardous substances

The information provided herein is Compiled by Sakshi to be accurate from sources believed to be reliable, but it is the responsibility of the user investigate and understand other pertinent sources of information to comply with all laws and procedures applicable to the safe handling and use of this product, and to determine the suitability of the product for its intended use. Sakshi makes no warranty, express or implied, concerning the product or the merchantability or fitness thereof for any purpose or concerning the accuracy of any information provided.

### MATERIAL SAFETY DATA SHEET

(ELITE)



### PRODUCT DESCRIPTION

MATERIAL IDENTIFICATION

SECTION 1.

**SECTION 2.** 

SECTION 3.

**EMERGENCY OVERVIEW** 

**ROUTE OF EXPOSURE** 

INHALATION EYE CONTACT

**MANGANESE** 

**CHROMIUM** 

**SECTION 4.** 

SECTION 5.

EXTINGUISHER MEDIA

HAZARDOUS COMBUSTION

SPECIAL PROTECTIVE

SECTION 7.

EYE PROTECTION

SKIN PROTECTION

TECHNICAL MEASURES

PHYSICAL STATE

DENSITY (G/CM3)

**SECTION 10.** 

STABILITY

**REACTIONS** 

SECTION 12.

METHODS OF DISPOSAL

GENERAL INFORMATION

SECTION 14.

SARA TITLE III HAZARD

EXTREMELY HAZARDOUS

MELTING TEMPERATURE

POSSIBILITY OF HAZARDOUS

PACKAGING MATERIAL RECOMMENDED

**ENVIRONMENTAL EXPOSURE CONTROLS** 

**EYES** 

SKIN

PRIMARY ROUTE OF EXPOSURE

### Our Grating and frame are functional, attractive and economical solution to exterior and interior drainage problem provides

a dynamic and contemporary appearance to complement today's architectural spaces.

MATERIAL USED

### MANUFACTURER'S NAME

Stainless Steel - Grade 304

SAKSHI INNOVATIONS PRIVATE LIMITED

### Gurudwara Somasar Road, P.O. Sahnewal, Village TIBBA, Distt. LUDHIANA-141 120 (INDIA)

COMPOSITION / INFORMATION ON INGREDIENTS

CAS No.

% Weight

0.065

Welding, brazing, cutting, grinding and machining of this material may liberate potentially hazardous fumes & dust. This dust or fumes may be harmful if inhaled.

Inhalation of fumes from Welding or Burning, Dust from Grinding or Cutting.

Steel production sheet, coil do not pose a significant health hazardous. However

Chronic exposure to high concentrations of manganese fumes and dusts may

The alleged health hazards associated with exposure to chromium are dependent

dermatitis (ACD). Fumes are respiratory irritants and may cause respiratory disease, skin contact can also cause an allergic skin rash, nickel and its compounds have been reported to cause cancer of the lungs and sinuses.

### ■ Carbon 7440-44-0 ■ Silicon 7440-21-3

Chemical Composition

Silicon	7440-21-3	0.330
Manganese	<i>7</i> 439-96-5	1.030
Phosphorus	7723-14-0	0.041
Sulphur	<i>77</i> 04-34-9	0.006
Chromium	7440-47-3	18.250
Molybdenum	<i>7</i> 439-98-7	0.240
Nickel	7440-02-0	8.240
Aluminium	<i>7</i> 429-90-5	0.0034
Cobalt	7440-48-4	0.220
Copper	<i>7</i> 440-50-8	0.360
Niobium	7440-03-1	0.0079
<b>■</b> Titanium	<i>7</i> 440-32-6	0.004
■ Venadium	7440-62-2	0.006
Tungsten	7440-33-7	0.021
<b>■</b> Tin	7440-31-5	0.008
Arsenic	<i>7</i> 440-38-2	0.003
Boron	7440-42-8	0.0007
■ Nitrogen	7727-37-9	0.024
<b>■</b> Iron	7439-89-6	71.140

### FLAMMABILITY : Not Applicable

EFFECT OF SHORT TERM (ACUTE) EXPOSURE

HAZARDS IDENTIFICATION

when subjected to Welding, Burning, Sawing, Brazing & grinding etc. Potentially hazardous fumes or dust may be generated. Needs adequate exhaust ventilation & appropriate protective equipment for workers.

Eye, Skin contact or Inhalation

Molten material may cause thermal burns.

Fumes & dust may be irritating to respiratory system.

Dust or particles may cause mechanical irritation.

SKIN CONTACT : Dust or particles may cause irritation due to abrasion.

INGESTION : Not anticipated under normal circumstances. As such this material is not expected to be acutely toxic via ingestion.

EFFECT OF LONG-TERM (CHRONIC) EXPOSURE

: Chronic inhalation of high concentrations of metallic fumes and dusts are associated with the following conditions.

IRON OXIDE : Chronic inhalation of excessive concentrations of iron oxide fumes or dust may results in development of a benign pneumoconiosis, called siderosis, which is

observable as an x-ray change.

increase the incidence of bronchitis pneumonia and lung damage and may adversely affect the central nervous system with symptoms resembling Parkinson's disease.

on its oxidation state. The metal form (chromium as it exists in this product) is of very low toxicity. The hexavalent form is very toxic.

NICKEL: Nickel is a common contact allergen & causes some sensitization, allergic contact

SILICON: Elementary silicon is an inert material which appears to lack the property of causing fibrosis in lung tissue. However, slight pulmonary lesions have been reported in Laboratory animals from intratracheal ingestion of silicon dust.

Silicon dust has little adverse effect on lungs and does not appear to produce

TLV. Silicon may cause chronic respiratory effects.

: If dust/fumes get in eyes, immediately flush with large amounts of running water for several minutes and seek Prompt medical attention.
 : If dust gets on skin wash contaminated area with mild soap and water. Remove and wash contaminated clothing if rash or irritation persists, seek medical attention.

certified individuals should perform CPR. Keep affected person warm and at rest.

In case of fire, use water spray (Fog), foam, dry chemical extinguisher or Co<sup>2</sup>.

Fire Fighters should wear appropriate protective equipment and Equipment of Fire Fighters self-contained breathing apparatus (SCBA) with afull face-piece

Safety glasses should always be worn when grinding or cutting. Face shields

Skin covering working clothes, wear dust proof overalls if large quantity of

Emissions from ventilation or work process equipment should be checked to

ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process

Under normal conditions of storage and use, hazardous reactions will Not Occur.

smoking or using the lavatory and at the end of the working period.

Not applicable for solid form alloy. Toxic metal and metallic Oxide.

significant organic disease or toxic effects when exposures are kept under the

## INHALATION : If inhalation of dust / fumes occurs, immediately remove victim from the adverse environment to fresh air and seek medical attention. If breathing has stopped,

FIRE FIGHTING MEASURES

SECTION 6. ACCIDENTAL RELEASE MEASURES

**HANDELING & STORAGE** 

INGESTION : If significant amounts of metal are ingested, seek medical attention.

SUITABLE

SPECIAL EXPOSURE HAZARDS: No special fire or explosion hazard. Promptly isolate the scene by removing all

persons. Vicinity of the incident if there is a fire.

PRODUCTS : Fumes may be evolved from fires involving finely divided alloy

operated in positive pressure mode.

Minimal problems with spills of this product would be expected to occur because of its solid form.

Protective Equipment: Gloves and barrier creams may be necessary to prevent skin sensitization and dermatitis.

## HANDLING PRECAUTIONS : Providing good ventilation and/or local exhaust systems are used. STORAGE REQUIREMENTS : Store in a dry place.

Use original container.

limits are exceeded.

If your process involves grinding or any other action that causes the release of dust or fumes, approved safety glasses or goggles should be worn

SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTIONS

RESPIRATORY PROTECTION : NIOSH / MSHA approved dust/mist/fume respirators should be used during welding, burning and grinding operations, if applicable exposure

should be worn when welding or burning.

## dust is generated. HYGIENE MEASURES: Wash all exposed skin and face thoroughly after handling products before eating,

Solid

7.750

1400-1450 °C

equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

 HARDNESS (HV5)
 : 220

 FINISH
 : No.4 or B.A

## SECTION 11. TOXICOLOGICAL INFORMATION

**REACTIVITY AND STABILITY** 

**ECHOLOGICAL INFORMATION** 

According to our experience and information the product has no harmful effects on health if properly handled.

The product is stable.

## properly handled. SECTION 13. DISPOSAL CONSIDERATIONS

TRANSPORT INFORMATION

: Dispose of in accordance with federal, provincial, state Or local regulations.

TRANSPORT INFORMATION

The product is practically insoluble in water. In views of its consistency and insolubility in water, no ecological Problems are to be expected if the product is

## Material is not listed as a hazardous substance for any mode of transportation. SECTION 15. REGULATORY INFORMATION

PRMATION

Product (Dust and Fume) is categorized as an immediate (acute) health hazard

Steel scrap should be recycled wherever possible

## CATEGORIZATION and a delayed (chronic) Health hazard is defined by 40 CFR 370. SARA TITLE III SECTION 302 : No components are listed as extremely hazardous substances

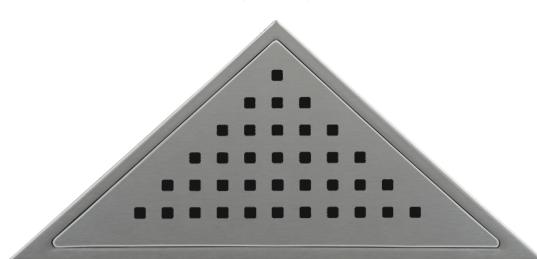
SUBSTANCES (EHSS):

SECTION 16. OTHER INFORMATION

is the responsibility of the user investigate and understand other pertinent sources of information to comply with all laws and procedures applicable to the safe handling and use of this product, and to determine the suitability of the product for its intended use. Sakshi makes no warranty, express or implied, concerning the product or the merchantability or fitness thereof for any purpose or concerning the accuracy of any information provided.

The information provided herein is Compiled by Sakshi to be accurate from sources believed to be reliable, but it

### MATERIAL SAFETY DATA SHEET (ELITE)



### PRODUCT DESCRIPTION

SECTION 1.

SECTION 2.

SECTION 3.

**EMERGENCY OVERVIEW** 

**ROUTE OF EXPOSURE** 

IRON OXIDE

**MANGANESE** 

**CHROMIUM** 

**EYES** 

SKIN

INHALATION

**SUITABLE** 

**PRODUCTS** 

SPECIAL PROTECTIVE

SECTION 7.

EYE PROTECTION

HYGIENE MEASURES

TECHNICAL MEASURES

SECTION 9.

PHYSICAL STATE

DENSITY (G/CM3)

HARDNESS (HV5)

**FINISH** 

STABILITY

**REACTIONS** 

**MELTING TEMPERATURE** 

POSSIBILITY OF HAZARDOUS

GENERAL INFORMATION

**SECTION 14.** 

SECTION 15.

SECTION 16.

ENVIRONMENTAL EXPOSURE CONTROLS

HANDLING PRECAUTIONS

STORAGE REQUIREMENTS

SPECIAL EXPOSURE HAZARDS

MATERIAL IDENTIFICATION

### Our Grating and frame are functional, attractive and economical solution to exterior and interior drainage problem provides

a dynamic and contemporary appearance to complement today's architectural spaces. MATERIAL USED

Stainless Steel - Grade 430

### MANUFACTURER'S NAME

SAKSHI INNOVATIONS PRIVATE LIMITED

### Gurudwara Somasar Road, P.O. Sahnewal, Village TIBBA, Distt. LUDHIANA-141 120 (INDIA)

**COMPOSITION / INFORMATION ON INGREDIENTS** 

CAS No.

% Weight

0.072

16.33

Welding, brazing, cutting, grinding and machining of this material may liberate potentially hazardous fumes & dust. This dust or fumes may be harmful if inhaled.

Steel production sheet, coil do not pose a significant health hazardous. However when subjected to Welding, Burning, Sawing, Brazing & grinding etc. Potentially hazardous fumes or dust may be generated. Needs adequate exhaust ventilation

Chronic inhalation of high concentrations of metallic fumes and dusts are

Chronic inhalation of excessive concentrations of iron oxide fumes or dust may

Chronic exposure to high concentrations of manganese fumes and dusts may

The alleged health hazards associated with exposure to chromium are dependent

disease, skin contact can also cause an allergic skin rash, nickel and its

Silicon dust has little adverse effect on lungs and does not appear to produce significant organic disease or toxic effects when exposures are kept under the

and wash contaminated clothing if rash or irritation persists, seek medical attention.

If inhalation of dust / fumes occurs, immediately remove victim from the adverse environment to fresh air and seek medical attention. If breathing has stopped, certified individuals should perform CPR. Keep affected person warm and at rest.

No special fire or explosion hazard. Promptly isolate the scene by removing all

Fire Fighters should wear appropriate protective equipment and Equipment of

Fire Fighters self-contained breathing apparatus (SCBA) with afull face-piece

#### Carbon 7440-44-0 Chromium 7440-47-3

Chemical Composition

■ Iron	<i>7</i> 439-89-6	82.21
Manganese	<i>7</i> 439-96-5	0.616
Phosphorus	7723-14-0	0.033
Silicon	7440-21-3	0.315
<b>■</b> Sulphur	<i>77</i> 04-34-9	0.0066
■ Nickel	7440-02-0	0.171
Molybdenum	<i>7</i> 439-98- <i>7</i>	0.020
Aluminium	<i>7</i> 429-90-5	0.036
<b>■</b> Cobalt	7440-48-4	0.031
Copper	<i>7</i> 440-50-8	0.082
■ Niobium	7440-03-1	0.0069
<b>■</b> Titanium	7440-32-6	0.0039
■ Vanadium	7440-62-2	0.031
<b>■</b> Tin	<i>7</i> 440-31-5	0.0055
■ Arsenic	<i>7</i> 440-38-2	0.0021
■ Nitrogen	<i>7727-37-</i> 9	0.028

#### **FLAMMABILITY** Not Applicable Inhalation of fumes from Welding or Burning, Dust from Grinding or Cutting. PRIMARY ROUTE OF EXPOSURE

HAZARDS IDENTIFICATION

& appropriate protective equipment for workers. EFFECT OF SHORT TERM (ACUTE) EXPOSURE Fumes & dust may be irritating to respiratory system. INHALATION

EYE CONTACT Dust or particles may cause mechanical irritation. SKIN CONTACT Dust or particles may cause irritation due to abrasion. Not anticipated under normal circumstances. As such this material is not expected **INGESTION** to be acutely toxic via ingestion. EFFECT OF LONG-TERM (CHRONIC) EXPOSURE

associated with the following conditions.

Eye, Skin contact or Inhalation

Molten material may cause thermal burns.

results in development of a benign pneumoconiosis, called siderosis, which is observable as an x-ray change.

increase the incidence of bronchitis pneumonia and lung damage and may adversely affect the central nervous system with symptoms resembling Parkinson's disease.

on its oxidation state. The metal form (chromium as it exists in this product) is of very low toxicity. The hexavalent form is very toxic. NICKEL Nickel is a common contact allergen & causes some sensitization, allergic contact dermatitis (ACD). Fumes are respiratory irritants and may cause respiratory

compounds have been reported to cause cancer of the lungs and sinuses. Elementary silicon is an inert material which appears to lack the property of SILICON causing fibrosis in lung tissue. However, slight pulmonary lesions have been reported in Laboratory animals from intratracheal ingestion of silicon dust.

SECTION 4. FIRST AIDS MEASURES : If dust/fumes get in eyes, immediately flush with large amounts of running water for several minutes and seek Prompt medical attention. If dust gets on skin wash contaminated area with mild soap and water. Remove

TLV. Silicon may cause chronic respiratory effects.

### If significant amounts of metal are ingested, seek medical attention. INGESTION

SECTION 5. FIRE FIGHTING MEASURES **EXTINGUISHER MEDIA** In case of fire, use water spray (Fog), foam, dry chemical extinguisher or Co<sup>2</sup>.

HAZARDOUS COMBUSTION Not applicable for solid form alloy. Toxic metal and metallic Oxide.

operated in positive pressure mode.

Minimal problems with spills of this product would be expected to occur because of its solid form. Protective Equipment: Gloves and barrier creams may be necessary to prevent skin sensitization and dermatitis.

persons. Vicinity of the incident if there is a fire.

Fumes may be evolved from fires involving finely divided alloy

Providing good ventilation and/or local exhaust systems are used.

welding, burning and grinding operations, if applicable exposure

Safety glasses should always be worn when grinding or cutting. Face shields

Wash all exposed skin and face thoroughly after handling products before eating,

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Under normal conditions of storage and use, hazardous reactions will Not Occur.

insolubility in water, no ecological Problems are to be expected if the product is

Dispose of in accordance with federal, provincial, state Or local regulations.

smoking or using the lavatory and at the end of the working period.

SECTION 6. ACCIDENTAL RELEASE MEASURES

If your process involves grinding or any other action that causes the release of dust or fumes, approved safety glasses or goggles should be worn

Store in a dry place.

limits are exceeded.

PACKAGING MATERIAL RECOMMENDED Use original container. SECTION 8. **EXPOSURE CONTROLS/ PERSONAL PROTECTIONS** RESPIRATORY PROTECTION NIOSH / MSHA approved dust/mist/fume respirators should be used during

should be worn when welding or burning.

#### SKIN PROTECTION Skin covering working clothes, wear dust proof overalls if large quantity of dust is generated.

**PHYSICAL & CHEMICAL PROPERTIES** 

Solid

7.750

175

1425-1510 °C

No.4 or B.A

**HANDELING & STORAGE** 

In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**REACTIVITY AND STABILITY** SECTION 10.

The product is stable.

### SECTION 11. TOXICOLOGICAL INFORMATION According to our experience and information the product has no harmful effects

**ECHOLOGICAL INFORMATION SECTION 12.** The product is practically insoluble in water. In views of its consistency and

properly handled.

on health if properly handled.

#### SECTION 13. **DISPOSAL CONSIDERATIONS** METHODS OF DISPOSAL Steel scrap should be recycled wherever possible

TRANSPORT INFORMATION Material is not listed as a hazardous substance for any mode of transportation.

### SARA TITLE III HAZARD Product (Dust and Fume) is categorized as an immediate (acute) health hazard

**REGULATORY INFORMATION** 

OTHER INFORMATION

and a delayed (chronic) Health hazard is defined by 40 CFR 370. **CATEGORIZATION** 

SARA TITLE III SECTION 302 No components are listed as extremely hazardous substances **EXTREMELY HAZARDOUS** SUBSTANCES (EHSS):

The information provided herein is Compiled by Sakshi to be accurate from sources believed to be reliable, but it is the responsibility of the user investigate and understand other pertinent sources of information to comply with all laws and procedures applicable to the safe handling and use of this product, and to determine the suitability of the product for its intended use. Sakshi makes no warranty, express or implied, concerning the product or the merchantability or fitness thereof for any purpose or concerning the accuracy of any information provided.