MATERIAL SAFETY DATA SHEET

(GRID)



PRODUCT DESCRIPTION

SECTION 1.

SECTION 2.

SECTION 3.

EMERGENCY OVERVIEW

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SKIN CONTACT

INGESTION

CHROMIUM

MOLYBDENUM

INHALATION

EXTINGUISHER MEDIA

SPECIAL EXPOSURE HAZARDS

SUITABLE

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SECTION 8.

EYE PROTECTION

HYGIENE MEASURES

TECHNICAL MEASURES

PHYSICAL STATE

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SECTION 11.

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SECTION 13.

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POSSIBILITY OF HAZARDOUS

HANDLING PRECAUTIONS

STORAGE REQUIREMENTS

PACKAGING MATERIAL RECOMMENDED

ENVIRONMENTAL EXPOSURE CONTROLS

PRIMARY ROUTE OF EXPOSURE

MATERIAL IDENTIFICATION

Shower shelf keeps shampoos, soaps, gels up high, out your way as you shower. The shelf is attached to the joint together

with silicone. Fits in 90-degree corners. A shower shelf corner is economic with space, items placed in the bathroom are accessible out the way of potential slipping and spills. To make bathroom clean and organised, you can use shelf. These shelf ensure that everything in your bathroom is in order, and you do not need to search for things when you need them. **MATERIAL USED**

MANUFACTURER'S NAME

Stainless Steel - Grade 316

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

COMPOSITION / INFORMATION ON INGREDIENTS

CAS No.

7440-44-0

7440-47-3

7/179-89-6

% Weight

0.022

16.77

6791

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.

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

results in development of a benign pneumoconiosis, called siderosis, which is

The alleged health hazards associated with exposure to chromium are dependent

Based on animal experiments, molybdenum and its compounds are highly toxic.

Some evidence of liver dysfunction with hyperbilirubinemia have been reported in 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

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

If inhalation of dust / fumes occurs, immediately remove victim from the adverse

In case of fire, use water spray (Fog), foam, dry chemical extinguisher or Co².

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

Fumes may be evolved from fires involving finely divided alloy

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

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

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

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.

Emissions from ventilation or work process equipment should be checked to

equipment will be necessary to reduce emissions to acceptable levels.

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

adversely affect the central nervous system with symptoms resembling

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.

Chemical Composition

Carbon

Chromium

Iron

| Iron | 7439-89-0 | 67.91 |
|-------------------|-------------------|----------------|
| Manganese | <i>7</i> 439-96-5 | 1. <i>7</i> 61 |
| Phosphorus | <i>77</i> 23-14-0 | 0.039 |
| Silicon | <i>7</i> 440-21-3 | 0.359 |
| Sulphur | 7704-34-9 | 0.0055 |
| Nickel | 7440-02-0 | 10.24 |
| Molybdenum | <i>7</i> 439-98-7 | 2.074 |
| Aluminium | <i>7</i> 429-90-5 | 0.013 |
| ■ Cobalt | 7440-48-4 | 0.21 |
| copper | <i>7</i> 440-50-8 | 0.403 |
| ■ Niobium | 7440-03-1 | 0.019 |
| ■ Titanium | 7440-32-6 | 0.0060 |
| Vanadium | 7440-62-2 | 0.069 |
| ■ Tungsten | 7440-33-7 | 0.014 |
| ■ Tin | <i>7</i> 440-31-5 | 0.012 |
| Arsenic | <i>7</i> 440-38-2 | 0.0075 |
| ■ Nitrogen | 7727-37-9 | 0.066 |
| | | |

FLAMMABILITY Not Applicable

EFFECT OF LONG-TERM (CHRONIC) EXPOSURE

HAZARDS IDENTIFICATION

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

Eye, Skin contact or Inhalation

Molten material may cause thermal burns.

EFFECT OF SHORT TERM (ACUTE) EXPOSURE INHALATION Fumes & dust may be irritating to respiratory system. EYE CONTACT Dust or particles may cause mechanical irritation.

& appropriate protective equipment for workers.

Dust or particles may cause irritation due to abrasion.

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

to be acutely toxic via ingestion.

observable as an x-ray change. Chronic exposure to high concentrations of manganese fumes and dusts may **MANGANESE** 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 very low toxicity. The hexavalent form is very toxic. Nickel is a common contact allergen & causes some sensitization, allergic contact NICKEL dermatitis (ACD). Fumes are respiratory irritants and may cause respiratory

Parkinson's disease.

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

TLV. Silicon may cause chronic respiratory e ffects.

deformities, erythema, and edema of the joint areas.

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

environment to fresh air and seek medical attention. If breathing has stopped, certified individuals should perform CPR. Keep affected person warm and at rest.

INGESTION If significant amounts of metal are ingested, seek medical attention. SECTION 5. FIRE FIGHTING MEASURES

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

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

Store in a dry place.

Use original container.

EXPOSURE CONTROLS/ PERSONAL PROTECTIONS

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.

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

SECTION 6. ACCIDENTAL RELEASE MEASURES

HANDELING & STORAGE

should be worn when welding or burning. SKIN PROTECTION Skin covering working clothes, wear dust proof overalls if large quantity of

dust is generated.

Solid

7.750

205

1375-1400 °C

No.4 or B.A

PHYSICAL & CHEMICAL PROPERTIES SECTION 9.

REACTIVITY AND STABILITY **SECTION 10.** STABILITY The product is stable.

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

TOXICOLOGICAL INFORMATION

ECHOLOGICAL INFORMATION

DISPOSAL CONSIDERATIONS

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 properly handled.

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.

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

REGULATORY INFORMATION SECTION 15. SARA TITLE III HAZARD

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

OTHER INFORMATION **SECTION 16.** 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 (GRID)



PRODUCT DESCRIPTION

SECTION 1.

SECTION 2.

SECTION 3.

EMERGENCY OVERVIEW

ROUTE OF EXPOSURE

INHAI ATION

IRON OXIDE

MANGANESE

CHROMIUM

SILICON

SECTION 4.

EYES

SKIN

INGESTION

SUITABLE

PRODUCTS

SECTION 5.

EXTINGUISHER MEDIA

HAZARDOUS COMBUSTION

SPECIAL PROTECTIVE

HANDLING PRECAUTIONS

SECTION 8.

EYE PROTECTION

SKIN PROTECTION

TECHNICAL MEASURES

SECTION 9.

DENSITY (G/CM3)

HARDNESS (HV5)

SECTION 11.

SECTION 12.

SECTION 13.

SECTION 14.

SECTION 15.

SECTION 16.

FINISH

PRIMARY ROUTE OF EXPOSURE

MATERIAL IDENTIFICATION

Shower shelf keeps shampoos, soaps, gels up high, out your way as you shower. The shelf is attached to the joint together

with silicone. Fits in 90-degree corners. A shower shelf corner is economic with space, items placed in the bathroom are accessible out the way of potential slipping and spills. To make bathroom clean and organised, you can use shelf. These shelf ensure that everything in your bathroom is in order, and you do not need to search for things when you need them. **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

0.330

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

Chemical Composition

| Manganese | <i>7</i> 439-96-5 | 1.030 | | |
|------------------------|-------------------|--------|--|--|
| Phosphorus | 7723-14-0 | 0.041 | | |
| ■ Sulphur | 7704-34-9 | 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 | <i>7</i> 440-48-4 | 0.220 | | |
| ■ Copper | <i>7</i> 440-50-8 | 0.360 | | |
| ■ Niobium | 7440-03-1 | 0.0079 | | |
| ■ Titanium | <i>7</i> 440-32-6 | 0.004 | | |
| ■ Venadium | <i>7</i> 440-62-2 | 0.006 | | |
| ■ Tungsten | 7440-33-7 | 0.021 | | |
| ■ Tin | <i>7</i> 440-31-5 | 0.008 | | |
| Arsenic | <i>7</i> 440-38-2 | 0.003 | | |
| ■ Boron | <i>7</i> 440-42-8 | 0.0007 | | |
| ■ Nitrogen | <i>7727-37-</i> 9 | 0.024 | | |
| ■ Iron | <i>7</i> 439-89-6 | 71.140 | | |
| | | | | |
| HAZARDS IDENTIFICATION | | | | |

Molten material may cause thermal burns. **FLAMMABILITY** Not Applicable

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

Dust or particles may cause mechanical irritation. EYE CONTACT 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

associated with the following conditions.

Fumes & dust may be irritating to respiratory system.

results in development of a benign pneumoconiosis, called siderosis, which is

EFFECT OF SHORT TERM (ACUTE) EXPOSURE

observable as an x-ray change. Chronic exposure to high concentrations of manganese fumes and dusts may

increase the incidence of bronchitis pneumonia and lung damage and may adversely affect the central nervous system with symptoms resembling Parkinson's disease. The alleged health hazards associated with exposure to chromium are dependent

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

Chronic inhalation of high concentrations of metallic fumes and dusts are

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

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

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

TLV. Silicon may cause chronic respiratory effects.

for several minutes and seek Prompt medical attention.

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

If dust/fumes get in eyes, immediately flush with large amounts of running water

If dust gets on skin wash contaminated area with mild soap and water. Remove

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

compounds have been reported to cause cancer of the lungs and sinuses.

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

FIRST AIDS MEASURES

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

In case of fire, use water spray (Fog), foam, dry chemical extinguisher or Co².

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

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

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

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

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

equipment will be necessary to reduce emissions to acceptable levels.

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

Fumes may be evolved from fires involving finely divided alloy

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.

operated in positive pressure mode. 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 SECTION 7. **HANDELING & STORAGE**

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.

STORAGE REQUIREMENTS Store in a dry place. PACKAGING MATERIAL RECOMMENDED Use original container.

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

dust is generated.

should be worn when welding or burning.

EXPOSURE CONTROLS/ PERSONAL PROTECTIONS

HYGIENE MEASURES Wash all exposed skin and face thoroughly after handling products before eating, smoking or using the lavatory and at the end of the working period. **ENVIRONMENTAL EXPOSURE CONTROLS**

PHYSICAL & CHEMICAL PROPERTIES

7.750

No.4 or B.A

220

PHYSICAL STATE Solid **MELTING TEMPERATURE** 1400-1450 °C

REACTIVITY AND STABILITY SECTION 10. **STABILITY** The product is stable. POSSIBILITY OF HAZARDOUS Under normal conditions of storage and use, hazardous reactions will Not Occur. **REACTIONS**

properly handled.

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

TOXICOLOGICAL INFORMATION

DISPOSAL CONSIDERATIONS

TRANSPORT INFORMATION

ECHOLOGICAL 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

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.

OTHER INFORMATION

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.

MATERIAL SAFETY DATA SHEET (GRID)

PRODUCT DESCRIPTION

SECTION 1.

SECTION 2.

SECTION 3.

EMERGENCY OVERVIEW

ROUTE OF EXPOSURE

INHALATION

EYE CONTACT

SKIN CONTACT

INGESTION

IRON OXIDE

MANGANESE

CHROMIUM

NICKEL

SILICON

SECTION 4.

SECTION 5.

SUITABLE

PRODUCTS

SPECIAL PROTECTIVE

SECTION 7.

EYE PROTECTION

HYGIENE MEASURES

SECTION 9.

PHYSICAL STATE

SECTION 10.

STABILITY

REACTIONS

SECTION 13.

SECTION 14.

SECTION 16.

GENERAL INFORMATION

MELTING TEMPERATURE

POSSIBILITY OF HAZARDOUS

ENVIRONMENTAL EXPOSURE CONTROLS

HANDLING PRECAUTIONS

STORAGE REQUIREMENTS

EXTINGUISHER MEDIA

SPECIAL EXPOSURE HAZARDS

EYES

SKIN

PRIMARY ROUTE OF EXPOSURE

MATERIAL IDENTIFICATION

Shower shelf keeps shampoos, soaps, gels up high, out your way as you shower. The shelf is attached to the joint together with silicone. Fits in 90-degree corners. A shower shelf corner is economic with space, items placed in the bathroom are

with silicone. Fits in 90-degree corners. A shower shelf corner is economic with space, items placed in the bathroom are accessible out the way of potential slipping and spills. To make bathroom clean and organised, you can use shelf. These shelf ensure that everything in your bathroom is in order, and you do not need to search for things when you need them.

MATERIAL USED

MANUFACTURER'S NAME

Stainless Steel - Grade 430

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

COMPOSITION / INFORMATION ON INGREDIENTS

CAS No.

7440-44-0

% Weight

0.072

16.33

82.21

■ Chromium 7440-47-3 ■ Iron 7439-89-6

Chemical Composition

Carbon

| | 11 011 | 7407070 | 02.21 |
|-----|----------------|-------------------|--------|
| | Manganese | <i>7</i> 439-96-5 | 0.616 |
| | Phosphorus | 7723-14-0 | 0.033 |
| | Silicon | 7440-21-3 | 0.315 |
| | Sulphur | 7704-34-9 | 0.0066 |
| | Nickel | 7440-02-0 | 0.171 |
| | Molybdenum | 7439-98-7 | 0.020 |
| | Aluminium | <i>7</i> 429-90-5 | 0.036 |
| | Cobalt | 7440-48-4 | 0.031 |
| | Copper | 7440-50-8 | 0.082 |
| | Niobium | 7440-03-1 | 0.0069 |
| | Titanium | <i>7</i> 440-32-6 | 0.0039 |
| | Vanadium | 7440-62-2 | 0.031 |
| | Tin | 7440-31-5 | 0.0055 |
| | Arsenic | 7440-38-2 | 0.0021 |
| | Nitrogen | 7727-37-9 | 0.028 |
| | | | |
| RDS | IDENTIFICATION | DN | |

FLAMMABILITY : Not Applicable

EFFECT OF SHORT TERM (ACUTE) EXPOSURE

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

Eye, Skin contact or Inhalation

Molten material may cause thermal burns.

& appropriate protective equipment for workers.

Fumes & dust may be irritating to respiratory system.

Dust or particles may cause mechanical irritation.

Dust or particles may cause irritation due to abrasion.

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

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

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.

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.

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

Chronic exposure to high concentrations of manganese fumes and dusts may

The alleged health hazards associated with exposure to chromium are dependent

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

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

: 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.

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

FIRE FIGHTING MEASURES

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

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.

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

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

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

According to our experience and information the product has no harmful effects

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

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

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

TLV. Silicon may cause chronic respiratory effects.

: In case of fire, use water spray (Fog), foam, dry chemical extinguisher or Co².

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

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.

Store in a dry place.

limits are exceeded.

operated in positive pressure mode.

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

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

PACKAGING MATERIAL RECOMMENDED : Use original container.

HANDELING & STORAGE

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.

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

PHYSICAL & CHEMICAL PROPERTIES

REACTIVITY AND STABILITY

Solid

1400-1450 °C

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 equipment will be necessary to reduce emissions to acceptable levels.

 DENSITY (G/CM3)
 : 7.750

 HARDNESS (HV5)
 : 220

 FINISH
 : No.4 or B.A

SECTION 11. TOXICOLOGICAL INFORMATION

SECTION 12. ECHOLOGICAL INFORMATION

properly handled.

on health if properly handled.

The product is stable.

METHODS OF DISPOSAL : Steel scrap should be recycled wherever possible

DISPOSAL CONSIDERATIONS

TRANSPORT INFORMATION

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

SECTION 15. 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.

OTHER INFORMATION

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

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