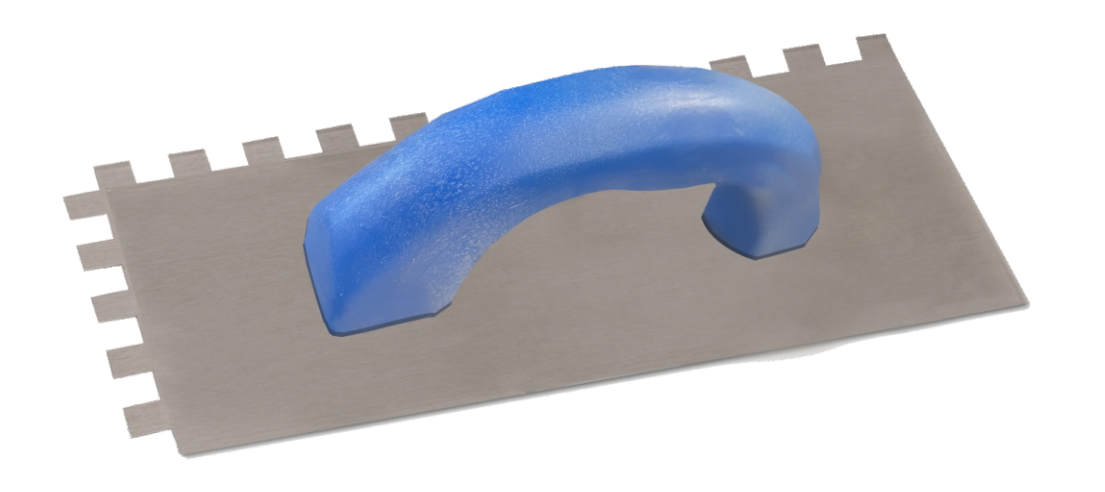
MATERIAL SAFETY DATA SHEET
(EASY NOTCHED TROWEL)



SECTION 1. MATERIAL IDENTIFICATION

PRODUCT DESCRIPTION

EASY NOTCHED TROWEL

MATERIAL USED

SPRING STEEL C-62

MANUFACTURER'S NAME

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

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Composition	CAS No.	% Weight
Carbon	7440-44-0	0.638
Chromium	7440-47-3	0.016
Iron	7439-89-6	98.35
Manganese	7439-96-5	0.681
Phosphorus	7723-14-0	0.0083
Silicon	7440-21-3	0.170
Sulphur	7704-34-9	0.0014
Nickel	7440-02-0	0.018
Molybdenum	7439-98-7	0.014
Aluminium	7429-90-5	0.038
Cobalt	7440-48-4	0.0029
Copper	7440-50-8	0.017
Niobium	7440-03-1	0.0008
Titanium	7440-32-6	0.0040
Vanadium	7440-62-2	0.0012
Tin	7440-31-5	0.0026
Arsenic	7440-38-2	0.0025
Nitrogen	7727-37-9	0.0105
Boron	7440-42-8	0.0005
Lead	7439-92-1	0.0037
Tungsten	7440-33-7	0.0016
Magnisium	7439-95-4	0.0003
Calcium	7440-70-2	0.0002
Cerium	7440-45-1	0.017
Zinc	7440-66-6	0.0005

SECTION 3. HAZARDS IDENTIFICATION

PHYSICAL HAZARDS NOT CLASSIFIED

FLAMMABILITY : Not Applicable

HEALTH HAZARDS

SENSITIZATION RESPIRATORY : Category 1

SENSITIZATION SKIN : Category 1

CARCINOGENICITY : Category 1

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 hazardous fumes or dust may be generated. Needs adequate exhaust ventilation & appropriate protective equipment for workers.

EFFECT OF SHORT TERM (ACUTE) EXPOSURE

INHALATION : Fumes & dust may be irritating to respiratory system.

EYE CONTACT : 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.

MANGANESE : 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.

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 effects.

SECTION 4. FIRST AIDS MEASURES

EYES : If dust/fumes get in eyes, immediately flush with large amounts of running water for several minutes and seek Prompt medical attention.

SKIN : 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.

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

SECTION 5. FIRE FIGHTING MEASURES

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

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.

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

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

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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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

SECTION 7. HANDELING & STORAGE

HANDLING PRECAUTIONS : Providing good ventilation and/or local exhaust systems are used. Avoid contact with eye, skin & clothing. Wear appropriate personnel protective equipments.

STORAGE REQUIREMENTS : Store in a dry place

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 welding, burning and grinding operations, if applicable exposure limits are exceeded.

EYE PROTECTION : Safety glasses should always be worn when grinding or cutting. Face shields should be worn when welding or burning.

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

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

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.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

PHYSICAL STATE AND APPEARANCE : Solid

FINISH : No. - 4

SPECIFIC GRAVITY : 7.74

HARDNESS (HV1) : 510.0

:

SECTION 10. REACTIVITY AND STABILITY

STABILITY : The product is stable.

POSSIBILITY OF HAZARDOUS REACTIONS : Under normal conditions of storage and use, hazardous reactions will Not Occur.

SECTION 11. TOXICOLOGICAL INFORMATION

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

SECTION 12. 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 properly handled.

SECTION 13. DISPOSAL CONSIDERATIONS

METHODS OF DISPOSAL : Steel scrap should be recycled wherever possible

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

SECTION 14. TRANSPORT INFORMATION

Material not regulated for shipping or transportation

SECTION 15. REGULATORY INFORMATION

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

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

SECTION 16. OTHER INFORMATION

The information provided herein was 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
(POLYPROPYLENE)

SECTION 1. MATERIAL IDENTIFICATION

MATERIAL USED

POLYPROPYLENE

SECTION 2. COMPOSITION

Polypropylene Homopolymers

C.A.S No. : 9003-07-0 (99% Minimum)

Additives and colorants- 0-10%

SECTION 3. HAZARDS IDENTIFICATION

EYE CONTACT : Mechanical irritation only. Wash eye with water

SKIN CONTACT : Negligible hazards at normal temperature. Exposure to hot material may cause thermal burns.

INHALATION : Product is not respirable, avoid breadhing dust.

INGESTION : Not a probable rout of exposure

SECTION 4. FIRST AIDS MEASURES

EYE CONTACT : This product is an inert solid. If in eye, removes as one would any foreign object wash eye with water

SKIN CONTACT : In case of adverse exposure to hot material, immediately immerse in or flush the affected area with large amount of cold water to dissipate heat. Cover with clean cotton sheeting and get prompt medical attention. No attempt should be made to remove material from skin or to remove contaminated clothing, as the damaged flesh can be easily torn.

INHALATION : Product is not respirable, avoid breathing dust.

INGESTION : Adverse health effects are not Anticipated.

CHRONIC EFFECT : Not Known

SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA : As appropriate for surrounding fire. Extinguish preferably with foam, carbon Dioxide or dry chemical.

UNSUITABLE EXTINGUISHING MEDIA : Do not use water jet or waterspray.

FIRE FIGHTING PROTECTIVE EQUIPMENT : A self-contained breathing apparatus and suitable protective clothing should be Worn in fire conditions.

HAZARDOUS DECOMPOSITION : Combustion or thermal decomposition will evolve toxic and irritant vapours.

OTHER : Can melt and burn in a fire. Molten material tends to flow or drip and will propagate fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS : Caution - spillages may be slippery. Ensure suitable personal protection (including respiratory protection) during removal of spillages. Dust clouds are sensitive to ignition by electrostatic discharge.

ENVIRONMENTAL EXPOSURE CONTROLS : Avoid release to the environment. Do not allow to enter drains, sewers or watercourses.

METHODS FOR CLEANING UP : Sweep up and shovel into waste drums or plastic bags

SECTION 7. HANDELING & STORAGE

HANDLING : Control dust formation. Do not eat, drink or smoke at the work place. Wash face and hands before eating, drinking or smoking. Will accumulate static charges that may cause an electric spark (ignition source). Take precautionary measures against static discharge.

STORAGE : Keep only in the original container. Keep container tightly closed. Keep in a cool, well ventilated place. Keep away from heat and direct sunlight. This product should be kept away from naked flames and other sources of ignition.

STORAGE TEMPERATURE : Ambient

STORAGE LIFE : Stable at ambient temperature

SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTIONS

RESPIRATORY PROTECTION (SPECIFY TYPE) : NONE

VENTILATION : Use a well ventilation area

PROTECTIVE GLOVES : Wear suitable gloves if prolonged skin contact is likely. When dealing with hot material Insulating gloves EN 407 (heat).

EYE PROTECTION : Safety glasses with side shields. Use dust goggles if high dust concentration generate

ENVIRONMENTAL PRECAUTIONS : 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

OTHER PROTECTIVE EQUIPMENT : Long sleeves shirts & Long cotton pants to protect skin contact with hot melt.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

PARAMETER	OBSERVATION	UNIT
Odour	Odourless	-
Density	0.96	Gm/cm3
Hardness	45	Shore D
Maximum Melt Temperature	140 - 170	°C

SECTION 10. REACTIVITY AND STABILITY

CHEMICAL STABILITY : Stable under normal conditions. Decomposes at temperatures above 300°C.

CONDITIONS TO AVOID : Heat and direct sunlight

MATERIALS TO AVOID : Direct contact with open flames, self igniting and explosive materials

HAZARDOUS DECOMPOSITION PRODUCT(S) : Carbon monoxide, Carbon dioxide, Hydrocarbons and Acrid smoke.

SECTION 11. TOXICOLOGICAL INFORMATION

INGESTION : Low oral toxicity. Polypropylene Homopolymer:LD50 (rat): >5000 mg/kg

INHALATION : Low acute toxicity. Dusts and vapours or fumes evolved during thermal processing may cause irritation to the respiratory system

SKIN CONTACT : No evidence of irritant effects from normal handling and use

EYE CONTACT : Dust may have irritant effect on eyes. Permanent damage is unlikely.

LONG TERM EXPOSURE : Chronic effects are unlikely

SECTION 12. ECHOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND DISTRIBUTION : Solid insoluble in water. Floats on water. The product has low mobility in soil

PERSISTENCE AND DEGRADATION : The product is non-biodegradable

TOXICITY : Low toxicity to aquatic organisms

EFFECT ON EFFLUENT TREATMENT : Unlikely to affect biological treatment processes

SECTION 13. DISPOSAL CONSIDERATIONS

REGULATORY INFORMATION : Do not allow to enter drains, sewers or watercourses. Disposal should be in Accordance with local, state or national legislation.

RECOMMENDED : Normal disposal is via incineration operated by an accredited disposal contractor.
Recycle waste & use as raw material

SECTION 14. TRANSPORT INFORMATION

This product is not transport regulated as a dangerous goods.

INTERNATIONAL TRANSPORT REGULATIONS : Not classified as dangerous for transport.

SECTION 15. REGULATORY INFORMATION

EC CLASSIFICATION : Not classified as dangerous for supply/use.

HAZARD SYMBOL : Not applicable.

RISK PHRASES : Not applicable.

SAFETY PHRASES : Not applicable.

SECTION 16. OTHER INFORMATION

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