

MSDS : Vallorbe Swiss products

Section 1 : Product and Company Identification

Product Name :

Files, Milling Cutters, Various Tools

Characteristics :

Tool used for manufacturing metals, wood and other materials by friction.

Supplier :

Usines Métallurgiques de Vallorbe

Rue du Moutier 49

CH-1337 Vallorbe

Suisse

Tel : +41 (0)21 843 94 94

Fax : +41 (0)21 843 94 00

www.vallorbe.com

Section 2 : Composition and Information on Components

Dangerous Components :

None in delivery state

Section 3 : Hazards Identification

Potential Acute Health Effects :

Bodily injury can be caused by pointed edges, friction, dust or fume inhalation produced by tool friction on workpiece.

Projection of the part, components of the part, metal chips or elements in contact with the part during tool using may cause irritation, injury and/or thermals burns.

Tool welding, sawing, brazing, grinding and machining may also cause poisonous dusts and/or fume.

Potential Chronic Health Effects :

Note: products in their solid state under normal conditions, do not present an inhalation, ingestion or skin hazard. However, operations resulting in fume or particles formation such as welding, sawing, brazing, grinding and machining may present health hazard. Molten steel is also hazardous.

Repeated exposure to fine dusts may cause respiratory inflammations.

Welding fumes have been associated with adverse health effects. Contains components that may cause cancer or reproductive effects.

Section 4 : First aid measures

Eye contact :

In case of chips projected into the eyes, consult a qualified person to remove the foreign body. In case of overexposure to dusts or fumes, immediately flush eyes with plenty of water for at least 15 minutes occasionally lifting the eye lids. Get medical attention if irritation persists. Thermal burns should be treated as medical emergencies.

Bodily or organ injury :

The bodily or organ injury should be treated by a qualified person.

Skin contact :

In case of overexposure to dusts or particles, wash with soap and plenty of water. Get medical attention if irritation develops or persists. If thermal burn occurs, flush the area with cold water during 15 minutes and get medical attention.

Inhalation :

In case of overexposure to dusts or fumes, remove to fresh air. If not breathing, give artificial respiration. Get immediate medical attention.

Ingestion :

Do not induce vomiting unless to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as collar, tie, belt or waistband. Get immediately medical attention.

Section 5 : Fire fighting measures

Specific danger :

Not applicable

Unusual fire or explosion hazards :

Steel products do not present fire or explosion hazards under normal conditions. Fine metal particles such as produced in grinding or sawing can burn. High concentrations of fine metallic particles in the air may present an explosion hazard.

Section 6 : Accidental release measures

Precautions if material is spilled or released :

Emergency response is unlikely unless in the form of dust. Avoid inhalation, eye, or skin contact of dusts by using appropriate precautions outlined in this MSDS (see section 8).

Small spill :

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large spill :

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Section 7 : Handling and storage

Handling :

Handling parts and residues must be made carefully by staff trained for this purpose. When handling, you should wear the appropriate personal protective equipment. In case of insufficient room ventilation, wear respiratory protective equipment. Maintain parts and residues remote of corrosive substances.

Storage :

Store in a dry place, protected from weather and corrosive substances.

Section 8 : Exposure control / personal protection

Personal protection :

Wear appropriate work equipment.
Use a handle for the product to avoid injuries.
Work with appropriate gloves.

Eyes protection :

Wear safety glasses.

Respiratory protection :

During product handling, particularly during welding, sawing, brazing, grinding and machining a dust respirator must be used. Be sure to use an approved/certified respirator or equivalent. In case of insufficient room ventilation, a self contained breathing apparatus should be used to avoid inhalation of the product.

Skin and body protection :

Wear protective gloves and work equipment against perforation.

Section 9 : Physical and chemical properties

Shape :

Solid, the product is found in several forms depending on the applications. It is often long and narrow, consisting of a cut, milled or ground part and often a tail.

Colour:

Grey but sometimes with other colours depending on the surface treatments.

Odour :

No odour

Physical and chemical properties :

Steel

Density à 20°C : 7.80

Solubility in water: insoluble

Section 10 : Stability and reactivity

Stability :

Stable under normal conditions (ambient temperature and pressure).

Conditions to avoid :

Contact with corrosive agents.

Hazardous decomposition products :

Toxical fumes and dusts.

Section 11 : Toxical information

No risk at delivery state

As described in section 3, fumes and dusts can be toxic by inhalation.

Protections as described in section 8 should be used.

Section 12 : Ecological informations

Ecotoxicological effects : No information available

Persistence et degradability : Data not available

Bioaccumulation : No information available

Section 13 : Disposal considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14 : Transport information

Non-hazardous product as defined by transport regulations.

Section 15 : Regulatory information

This product is not hazardous under our actual knowledge state. However, dusts and fumes from this product may be hazardous.

Section 16 : Other information

Keep out of reach of children.

These data reflects the current state of our knowledge and does not represent a guarantee with regard to specific characteristics.

The user is responsible for the use made of the tool, and UMV shall not be held liable under any circumstances. Users should make their own investigations to determine the suitability of the information mentioned above based on their applications.

This product may be coated with a variety of materials, including oils, paints, galvanisation, etc. that are not included in this MSDS.