# MATERIAL SAFETY DATA SHEET
# ISO 11014-1-91/155/EEC

---

## 1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Master Ltd.
Varna
West Industrial Zone

TEL: +(359 52)505 076 FAX: +(359 52)505 075

Name of the product:: **MASTERFIX® Special**

LV70 : 24686 Publishing date : 08.05 Ref.: 00715

---

## 2. COMPOSITION / INFORMATION ON THE COMPONENTS

**Substance** : Combination of specially selected polymers. PVA.

---

## 3. HAZARDS IDENTIFICATION

The pure active component is harmful (Xn)

Harmful if swallowed (R 22)
Irritant to skin (R 38)
Serious eye damage hazard (R 41)

**The concentration of this component of the product is lower than the danger levels.**
To determine the extent of danger the ratio of the active component in the product has to be accounted for.

Sodium hydroxide can be used in the substance solution. The pure active component, sodium hydroxide, is irritant (Xi).
Irritant to eyes and skin (R 36/38)
The alkaline substance itself is not subject to this classification.

---

## 4. FIRST AID MEASURES

**After eye contact**
In case of contact with the eyes flush thoroughly with plenty of running water for about 15 minutes. Call a doctor.

**After skin contact**
After contact with skin wash immediately with running water.

**After inhalation**

If there are effects after exposure go out to fresh air.

**After ingestion**
Do not cause vomiting. Call a doctor at once.

---

## 5. FIREFIGHTING MEASURES

**Extinguishing media**

Water. Carbon dioxide. Foam. Dry powder. Water fog or fine spray. Dry extinguishing chemical. Evacuate everybody following your emergency plan.

**Hazardous thermal decomposition products**
Quartz. Carbon oxide. Formaldehyde.

**Specific fire and explosion hazards**
Wear autonomous respiratory apparatus and safety firefighting equipment (including firefighting helmet, vest, pants, shoes and gloves). Cool well the containers with water jet and move outside the area of the fire.

---

## 6. ACCIDENTAL RELEASE MEASURES

With regard to personal protection see Chapter 8.
There are no special recommendations regarding the environmental precautions.

**Methods for cleaning up.**

If spilled or released, the product has to be removed, if possible, in its dry form, otherwise remove with plenty of running cold or warm water. Remove the wet material from the surfaces, do not allow the material to reach the sewerage, surface and ground waters.

---

## 7. HANDLING AND STORAGE

In case of continuous handling of the product it is recommended that the premises are ventilated; avoid skin contact.

Store in closed premises, in cool and dry places in tightly closed packaging. Be careful, store the product in the storehouse for as short a period as possible, since the water content gradually increases.

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

During continuous handling of the product and dispersing of dust wear safety respiratory mask.
Wear suitable gloves and eyes/face protection.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**

| | |
|---|---|
| Form: | Flakes |
| Colour: | white |
| Odour: | Specific |
| pH value | ~ 10.5 (30 g/l H2O) |

| | |
|---|---|
| Density: | ~ 300 kg/m3 |
| Solubility in water: | Soluble in water (20 C) |
| Change of state: | There is no change of the solid state until combustion process. |
| Combustion temperature: | No development of volatile and inlammable Vapours till process of combustion |
| Explosion limit: | Not applicable |

---

## 10. STABILITY AND REACTIVITY

During processing the initial microscopic structure of the granules is lost.

There is no thermal decomposition if the product is properly handled.
In case of full combustion of the product it releases carbon dioxide (CO2) and water (H2O)

---

## 11. TOXICOLOGICAL INFORMATION

This product is not toxic and it does not contain toxic components.

---

## 12. ECOLOGICAL INFORMATION

This product might have adverse effect on human respiratory system /see section 3 and 4/
Fully biodegradable. The product does not represent threat for the environment in the water/soil segment.

---

## 13. DISPOSAL CONSIDERATIONS

The disposal procedures must comply with all local and national legislation and regulations. It is recommended that the clients check the local regulations regarding the waste materials disposal.

---

## 14. TRANSPORT INFORMATION

The product is not classified for any type of transport.

Additional information: This product must be declared as "starch"

---

## 15. REGULATORY INFORMATION

This product does not require classification according to the CRITERIA OF THE Commission of the European Community.

---

## 16. OTHER INFORMATION

There is no other information available.

---

The information herein is based on our current knowledge. It is intended to describe the product in view of the safety requirements, and therefore does not warrant certain properties.